CONSTRUCTION COMMITTEE MEETING AGENDA

DATE: **Tuesday, April 28, 2026**

TIME: **2:00 PM**

PLACE: **Carl T. Langford Board Room / Orlando International Airport/ One Jeff Fuqua Blvd. / Orlando, FL 32827**

[ITEMS IN BOLD REQUIRE APPROVAL BY THE AVIATION AUTHORITY BOARD]

I. CALL TO ORDER/ ROLL CALL/ ANNOUNCEMENTS

II. CONSIDERATION OF MINUTES ***(THIS SECTION INTENTIONALLY LEFT BLANK)***

III. CHANGE ORDERS (REFERENCE CHANGE ORDER AGENDA PAGE)

IV. NEW BUSINESS

GENERAL

A. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES FOR AIRFIELD, ROADWAY, AND HORIZONTAL CONSTRUCTION PROJECTS WITH LOYAL WINGMAN, LLC, FOR OAR SERVICES FOR **H-00414**, UNDER TRAIN STATION PARKING REHABILITATION (DESIGN/BUILD), AT THE ORLANDO INTERNATIONAL AIRPORT.

B. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES FOR AIRFIELD, ROADWAY, AND HORIZONTAL CONSTRUCTION PROJECTS WITH LOYAL WINGMAN, LLC, FOR OAR SERVICES FOR **H-00417**, MILL AND RESURFACE SECURE ROAD AT CENTERFIELD ARFF (DESIGN/BUILD), AT THE ORLANDO INTERNATIONAL AIRPORT.

C. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES FOR AIRFIELD, ROADWAY, AND HORIZONTAL CONSTRUCTION PROJECTS WITH LOYAL WINGMAN, LLC, FOR OAR SERVICES FOR **H-00419**, PAVEMENT REPAIR TAXIWAY B1 (DESIGN/BUILD), AT THE ORLANDO INTERNATIONAL AIRPORT.

D. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING ON-CALL ARCHITECTURE AND ENGINEERING CONSULTING SERVICES AGREEMENT WITH C AND S ENGINEERS, INC., FOR PLUMBING ENGINEERING DESIGN SERVICES FOR **V-01108**, NORTH TERMINAL AIRSIDE RAMPS EYEWASH STATIONS, AT THE ORLANDO INTERNATIONAL AIRPORT.

E. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES FOR AIRFIELD, ROADWAY, AND HORIZONTAL CONSTRUCTION PROJECTS AGREEMENT WITH LOYAL WINGMAN, LLC, FOR CONSTRUCTION PHASE OAR SERVICES FOR **V-01113**, AIRSIDE 1-4 APM HEADACHE BARS (DESIGN/BUILD), AT THE ORLANDO INTERNATIONAL AIRPORT.

F. REQUEST FOR APPROVAL OF PAYMENT OF ADDITIONAL INSURANCE PREMIUMS FOR MASTER BUILDERS RISK TO AON RISK SERVICES, INC., OF FLORIDA FOR **BP-S00198**, GROUND TRANSPORTATION FACILITY, PEDESTRIAN BRIDGE AND RAC LOBBY, AT THE ORLANDO INTERNATIONAL AIRPORT.

V. INFORMATION ITEMS

A. Field Change Order Tracking Log

B. Revised Change Order Memorandum for Change Order No. 17 for BP-00477, Airsides 2 and 4 APM Improvements (DBOM), at the Orlando International Airport. [From the Construction Committee On April 21, 2026, Item III-A]

C. Revised Change Order Memorandum for Change Order No. 07 for V-01032, North Terminal Premier Parking Reconfiguration, at the Orlando International Airport. [From the Construction Committee On April 7, 2026, Item III-B]

D. Revised Backup for Recommendation of Approval for the Purchase of G2 Fire Station Alerting System Replacement from US Digital Designs, Inc., for V-01097, ARFF Fire Alert/Emergency System Replacement Phase 2, at the Orlando International Airport. [From the Construction Committee On January 13, 2026, Item IV-A]

For individuals who conduct lobbying activities with Aviation Authority employees or Board members, registration with the Aviation Authority is required each year prior to conducting any lobbying activities. Lobbying any Aviation Authority Staff who are members of any committee responsible for ranking Proposals, Letters of Interest, Statements of Qualifications or Bids and thereafter forwarding those recommendations to the Board and/or Board Members is prohibited from the time that a Request for Proposals, Request for Letters of Interests, Request for Qualifications or Request for Bids is released to the time that the Board makes an award. In the event a lobbyist meets with or otherwise communicates with Staff or a Board member, including the Mayor of the City of Orlando or the Mayor of Orange County, the lobbyist shall file a Notice of Lobbying (Form 4) detailing each instance of lobbying to the Aviation Authority within 7 calendar days of such lobbying. Lobbyists will also provide a notice to the Aviation Authority when meeting with the Mayor of the City or Mayor of Orange County at their offices. The policy, forms, and instructions are available on the Aviation Authority's web site. Please contact Jeff Aaron, General Counsel, with questions at (407) 349-3949.

Any appeals of decisions made by the Construction Committee must be filed with the Chief Executive Officer within five business days, no later than 4:00 p.m. on the fifth business day. If a bidder or proposer is aggrieved by any of the proceedings of today's meeting and wishes to appeal the results of actions made by this committee, they must file an appeal stating the item they wish to appeal and the basis for which they wish to appeal, and it must be received in writing by the Chief Executive Officer, Mr. Lance Lyttle, via email at lance.lyttle@goaa.org, with a copy to jeff.aaron@downsaaron.com.

Any member of the public who wishes to address the committee on an agenda item being considered at this meeting must notify the committee in writing by submitting a completed Appearance Request Form. This form may be requested from and submitted to the Recording Secretary via email at CCM@goaa.org, or in person on the date of the meeting. Each speaker will be allowed up to three minutes, and speakers will be limited to no more than five speakers per group or joint effort; excluding businesses and other such entities, which will be limited to one speaker to represent the entity, as a whole.

The next Construction Committee Meeting is scheduled for Tuesday, May 05, 2026, at 09:00 am

CONSTRUCTION COMMITTEE MEETING AGENDA

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The next Construction Committee Meeting is scheduled for Tuesday, May 05, 2026, at 09:00 am

CONSTRUCTION COMMITTEE MEETING
CHANGE ORDER AGENDA

Tuesday, April 28, 2026

ITEM	CHANGE ORDER	AMOUNT	TIME IMPACT	DESCRIPTION OF CO
III-A	BP-00505-03	$ 17,567.42	0 (Substantial) 0 (Final)	BACK-LIT TOP CABINET ROADWAY SIGNAGE UPGRADES - HEINTZELMAN BOULEVARD **Contractor: Prime Construction Group, Inc.**
III-B	G-00049-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION REPAIR AND REPLACE FADED ROADWAY SIGNAGE-TRADEPORT DR, BEAR RD, CASA VERDE RD AND CARGO RD (DESIGN/BUILD) **Contractor: Baron International, LLC DBA Baron Sign Manufacturing**
III-C	G-00050-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION REPAIR AND REPLACE FADED ROADWAY SIGNAGE - JEFF FUQUA BLVD. (DESIGN/BUILD) **Contractor: AC Signs, LLC dba Decamil**
III-D	H-00414-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION UNDER TRAIN STATION PARKING REHABILITATION (DESIGN/BUILD) **Contractor: The Middlesex Corporation**
III-E	H-00416-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION REPAIR AND PAINT SIGN STRUCTURES ON HEINTZELMAN BLVD, TRADEPORT DR, BEAR RD, CASA VERDE RD AND CARGO RD **Contractor: Prime Construction Group, Inc.**
III-F	H-00417-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION MILL AND RESURFACE SECURE ROAD AT CENTERFIELD ARFF (DESIGN/BUILD) **Contractor: The Middlesex Corporation**

***Requires Board approval.**

III-G	H-00419-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION PAVEMENT REPAIR TAXIWAY B1 (DESIGN/BUILD) **Contractor: The Middlesex Corporation**
III-H	H-S00031-02	$ 68,438.49	28 (Substantial) 0 (Final)	EXTENDED GENERAL CONDITIONS AND PARKING CARD MANAGEMENT SYSTEM TERMINAL C EMPLOYEE PARKING ENHANCEMENTS (DESIGN/BUILD) **Contractor: Kiewit Infrastructure South Co.**
III-I*	V-01023-15	$ 0.00	102 (Substantial) 0 (Final)	VARIOUS REVISIONS AIRSIDES 2 AND 4 COOP RAMPS (DESIGN/BUILD) **Contractor: Clancy & Theys Construction Co.**
III-J	V-01109-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION TERMINALS A AND B VERTICAL SURFACES AND CEILING PAINTING (DESIGN/BUILD) **Contractor: Clancy & Theys Construction Co.**
III-K	V-01110-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION GARAGE A PERIMETER RAILINGS CLEAN AND PAINT (DESIGN/BUILD) **Contractor: H.W. Davis Construction, Inc.**
III-L	V-01111-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION GARAGE B PERIMETER RAILINGS CLEAN, PAINT AND REPAIR (DESIGN/BUILD) **Contractor: H.A. Contracting Corporation**
III-M	V-01112-01	$ 0.00	0 (Substantial) 0 (Final)	ALLOWANCE BUYOUT FOR DEFINED SOW FOR BAT INITIATIVE AND ALLOWANCE REDUCTION TERMINALS A AND B LEVEL 1 STAIR ENCLOSURES (DESIGN/BUILD) **Contractor: Collage Design and Construction Group, Inc. dba The Collage Companies**
III-N	V-01113-01	$ 0.00	0 (Substantial) 0 (Final)	AS 1-4 APM HEADACHE BARS AND ALLOWANCE RECONCILIATION - BAT AIRSIDE 1-4 APM HEADACHE BARS (DESIGN/BUILD) **Contractor: Gomez Construction Company**

***Requires Board approval.**

CONSTRUCTION COMMITTEE MEETING
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***Requires Board approval.**

Published By: Fritz Girault
Reviewed By: Rebecca McKeown

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 03	AMOUNT $ 17,567.42	Extension Of Time (Subst.): 0 Days
		Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	BP-00505 Roadway Signage Upgrades - Heintzelman Boulevard	DATE: 04/28/2026
CONTRACTOR:	Prime Construction Group, Inc.	
A/E:	AVCON, Inc	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1: Back-Lit Top Cabinet per RFI #8 (RCO# 4)- Furnish and install a 3' tall x 34'-6" long x 6" deep internally illuminated back-lit cabinet on the digital message sign (DMS) on Heintzelman Blvd.

ADD: $17,567.42

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 - Owner Requested – During our site visit at Led Star's facility in December, GOAA Wayfinding & Signage has requested to change the top non-lit retro reflective top Terminal C header panel to an internally illuminated back-lit custom cabinet. This back-lit cabinet will illuminate the front translucent Terminal C blue panel and will contain two sets of LED grids and two sets of power supply sources. These power supply sources will be located inside the Led Star cabinet and be mounted onto the back wall of the cabinet.

SOURCE OF FUNDS:	General Airport Revenue Bonds (GARBs) and Florida Department of Transportation (FDOT) grants to the extent eligible

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	RFI #8	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 19,530.45		
GOAA/OAR Estimate	$ 18,593.00		
(a) Change Contract Amount By			**$ 17,567.42**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)			$ 17,567.42
Is there any potential back charge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Fritz Girault, PSA			PHONE: (407) 530-9301

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		4/23/26	BS	Melvin Martinez

CC
ITEM III-A
04/28/2026

Roadway Signage Upgrades - Heintzelman Boulevard

PRIME CONSTRUCTION GROUP, INC.

Owner Request #: BP-00505 RCO #4 Date: 22-Apr-26
Owner Reference: Roadway Signage Upgrades - Heintzelman Boulevard
Description: Rev 3 to OT-HB-10 Illuminated Sign
Added to LedStar Sign

		Crew Size	Quantity	Unit	Unit Price	Extension
PCG Labor with Burden						
Prime Labor Subtotal	*Total Manhours >*					
	PCG Labor Markup		15.00%			
Materials						
Material Subtotal						
	Material Tax		7.00%			
	Material Markup		15.00%			
Equipment and Other Rentals						
Rental Subtotal						
	Rental Tax		7.00%			
	Rental Markup		15.00%			
Subcontracts						
AC Signs						
F & I 3' x 34.5' x 6" Internally Illuminated Cabinet on OT-HB.10			1	LS	$15,970.38	$15,970.38
Subcontractor Subtotal						$15,970.38
	Subcontractor Markup		10.00%			$1,597.04
	Subtotal					$17,567.42
	Daily Jobsite Overhead			Days		
	Small Tool Allowance					
						$17,567.42
	Bond Amount					
	Grand total					**$17,567.42**

Contract Time requested: **0** **Days**

The items listed above are for classification only, this is a Lump Sum proposal. This estimate is valid for 30 days. **Confirmed**

BP-00505 Roadway Signage Upgrades,

Heintzelman Blvd

Change Order No. 3: RCO No. 4

Revision: 04

Status: Open

Spec Section: 101400 – Wayfinding

Approvers: Lora-Ann Wilson - Prime Construction

Submittal Manager: James Peña

Date Created: 02/09/2026

Responsible Contractor: AC Signs

CO Narrative:

Dear Ms. Wilson,

Attached for your review and approval is AC Signs Change Order No 3, which includes changes per Revision No. 3 on OT-HB.10:

- Fabricate (1) U.L. Listed 3’ tall by 34’-6” long by 6” deep internally illuminated cabinet.
- Sign to have (2) sets of LEDs: (1) primary set and (1) back up set for if/when the first set fails.
- Sign to have (2) sets’ of power supplies: (1) primary set and (1) back up set for if/when the first set fails.
- Power supplies to be remotely mounted inside the LedStar Walk-in cabinet.
- Properly label power supplies inside LedStar Cabinet. Sign to be installed at LedStar’s facility.

The total cost for this change order is $15,970.38

11100 Astronaut Blvd
Orlando, FL 32837
407-857-5564

Estimate Breakdown for BP-00505 Roadway Signage Upgrades, Heintzelman Blvd

Design, fabrication and installation of 3'x34'-6"x6" internally illuminated cabinet, (2) sets of LEDs, power supplies.

	Qty/Hours	Unit Cost	Total amount	Subtotals
Labor: ***(40% Burden included)***				
Designer / Quality Control	12	$ 57.40	$ 688.80	
CNC Operator	18	$ 26.60	$ 478.80	
Laborer (Skilled)	15	$ 51.80	$ 777.00	
Laborer (UnSkilled)	18	$ 28.00	$ 504.00	
Finisher	8	$ 35.00	$ 280.00	
Painter	8	$ 51.40	$ 411.20	
Foreman	8	$ 37.80	$ 302.40	
Crane Operator	10	$ 32.20	$ 322.00	
ACS Technician (Installers)	10	$ 56.00	$ 560.00	
Subtotal Labor:				**$ 4,324.20**
Company Owned Equipment				
2015 Ram Bucket Truck 5500	10	$ 26.54	$ 265.40	
2021 Ford pick up truck F250	10	$ 19.23	$ 192.30	
2020 Big Tex Trailer	10	$ 17.35	$ 173.50	
2003 International crane truck	10	$ 38.60	$ 386.00	
Welder	4	$ 1.90	$ 7.60	
HP Digital Printer	8	$ 28.44	$ 227.52	
CWT Laminator table	8	$ 16.36	$ 130.88	
Multicam CNC Router	18	$ 77.91	$ 1,402.38	
Subtotal Company Owned Equipment:				**$ 2,785.58**
Materials (taxable) see attached sheet	1	$ 6,370.27	$ 6,370.27	
Tax Calculation #1 - 6.5% on the 1st $5000			$ 325.00	
Tax Calculation #1 - 6.0% on the balance			$ 82.23	
Total Material with tax				**$ 6,777.50**
Subtotal of ALL Categories Above				**$ 13,887.28**
Mark-up on Material, Equipment, and Labor 15%				**$ 2,083.09**
Total Project Cost :				***$ 15,970.38***

AC SIGNS & CUSTOM MFG.
FABRICATION · INSTALLATION · SERVICE

11100 Astronaut Blvd
Orlando, FL 32837
407-857-5564

Craft	Total Rate w/ Burden	Labor Burden	Labor Burden %	Base Rate	O.T rate w/ Base Rate x 1.5	Total O.T. Rate w/ 30% Labor Burden	Blended Hourly Rate
SUPERVISOR	$ 56.00	$ 16.00	40%	$ 40.00	$ 60.00	$ 78.00	$ 63.60
FORMAN	$ 37.80	$ 10.80	40%	$ 27.00	$ 40.50	$ 52.65	$ 42.93
ACS TECHNICIAN	$ 56.00	$ 16.00	40%	$ 40.00	$ 60.00	$ 78.00	$ 63.60
LABORER (UNSKILLED)	$ 28.00	$ 8.00	40%	$ 20.00	$ 30.00	$ 39.00	$ 31.80
LABORER (SKILLED)	$ 51.80	$ 14.80	40%	$ 37.00	$ 55.50	$ 72.15	$ 58.83
CRANE OPERATOR	$ 32.20	$ 9.20	40%	$ 23.00	$ 34.50	$ 44.85	$ 36.57
CNC ROUTER OPERATOR	$ 26.60	$ 7.60	40%	$ 19.00	$ 28.50	$ 37.05	$ 30.21
PAINTER	$ 51.80	$ 14.80	40%	$ 37.00	$ 55.50	$ 72.15	$ 58.83
DESIGNER	$ 57.40	$ 16.40	40%	$ 41.00	$ 61.50	$ 79.95	$ 65.19
FINISHER	$ 35.00	$ 10.00	40%	$ 25.00	$ 37.50	$ 48.75	$ 39.75

AC SIGNS, LLC

Job Name: *BP-00505 Roadway Signage Upgrades, Heintzelman Blvd*

Location: *MCO*

Description	Unit	Qty	Material	Material Total
5052 H32 4'X12' X 1/8" Aluminum Sheets	Sheets	6	$ 290.00	$ 1,740.00
6063 T5 M/F Angle - 20' length	ea	10	$ 36.54	$ 365.40
Hardware - Bolts (1/2" - Galvanized)	ea	30	$ 1.33	$ 39.90
Hardware - Washers (1/2" - Galvanized)	ea	60	$ 0.44	$ 26.40
Hardware - Nut (1/2" - Galvanized)	ea	30	$ 1.64	$ 49.20
Hardware - Bolt (1/4"-20, SS)	ea	85	$ 0.86	$ 73.10
Hardware - Washers (1/2" - Galvanized)	ea	85	$ 0.22	$ 18.70
3M - White	Yrd	8.75	$ 15.75	$ 137.81
3M Envision - Bright Blue - 3730-167L (Back-Ground)	Yrd	8.75	$ 27.87	$ 243.86
LED Cables (White)	Roll	0.25	$ 189.30	$ 47.33
1/2" Flex Roll	LF	16	$ 0.64	$ 10.24
1/2" Connector	ea	4	$ 4.33	$ 17.32
1/2" Degree Connector	ea	2	$ 10.03	$ 20.06
EVE Series Power Supplies, 24V	Box	6	$ 47.00	$ 282.00
Everylite OM 2D LEDs, White, 24V	Bag	10	$ 140.00	$ 1,400.00
Matthews Paint - Black	Gal	2	$ 176.19	$ 352.38
Matthews Paint - Catalyst	Gal	1	$ 170.57	$ 170.57
Matthews Primer	Gal	1	$ 134.63	$ 134.63
Matthews Hardener	Qt	1	$ 243.03	$ 243.03
Matthews Paint - Clear	Gal	1	$ 176.19	$ 176.19
55"X 1', .177" White Lexan	LF	35	$ 23.49	$ 822.15
			TOTAL	$ 6,370.27

AC SIGNS CUSTOM MFG.
FABRICATION · INSTALLATION · SERVICE
11100 Astronaut Blvd
Orlando, FL 32837
407-857-5564

AC SIGNS EQUIPMENT RATES 2024

			A	B	A+B
Description	Monthly Cost	Monthly Total Cost at 50% Divided by	Monthly Total Cost at 50% Divided by 176	Estimated Operating Cost Per HR	Total Hourly Rate
1995 Small Trailer	$ 258.00	$ 129.00	$ 0.73	$ 8.50	$ 9.23
2003 International crane truck	$ 2,147.00	$ 1,073.50	$ 6.10	$ 32.50	$ 38.60
2014 Ram pick up truck 1500	$ 684.00	$ 342.00	$ 1.94	$ 16.25	$ 18.19
2015 Ram bucket truck 5500	$ 789.00	$ 394.50	$ 2.24	$ 24.30	$ 26.54
2017 Big Tex Trailer	$ 352.00	$ 176.00	$ 1.00	$ 12.68	$ 13.68
2017 Ram pick up truck 3500	$ 721.00	$ 360.50	$ 2.05	$ 19.78	$ 21.83
2020 Big Tex Trailer	$ 370.00	$ 185.00	$ 1.05	$ 16.30	$ 17.35
2021 Ford pick up truck F250	$ 439.00	$ 219.50	$ 1.25	$ 17.98	$ 19.23
Lincoln Welder 225 Ranger	$ 487.00	$ 243.50	$ 1.38	$ 0.52	$ 1.90
Skyjack Lift SJ III 3219	$ 458.00	$ 229.00	$ 1.30	$ 3.87	$ 5.17
CAT Forklift	$ 632.00	$ 316.00	$ 1.80	$ 13.69	$ 15.49
HP Digital printer	$ 896.00	$ 448.00	$ 2.55	$ 25.89	$ 28.44
CWT work cut/laminator table	$ 480.00	$ 240.00	$ 1.36	$ 15.00	$ 16.36
Multicam CNC Router	$ 1,287.00	$ 643.50	$ 3.66	$ 74.25	$ 77.91

ASTERN METAL SUPPLY, INC.

3600 23rd AVENUE SOUTH
LAKE WORTH, FL 33461
(561) 533-6061
(561) 588-4780 Fax

INVOICE

Y3FH8K .

CUSTOMER 063064

REMIT TO: P.O. BOX 746116 ATLANTA, GA 30374-6116

Bill To: 063064

AC SIGN (BUS ENCLOSURES)
11100 ASTRONAUT BLVD
ORLANDO, FL 32837

Ship To: 0

AC SIGN (BUS ENCLOSURES)
11100 ASTRONAUT BLVD
ORLANDO

Ph# 407/857-5564 Whse: 4

DATE	SHIP VIA	FOB	TERMS
01/28/26	OWN TRUCK		NET 60

PURCHASE ORDER NUMBER	ORDER DATE	SALESPERSON	OUR ORDER NUMBER
KCATABENCHES	01/27/26	007A	V364AN-

QUANTITY Required	Shipped	Backord	ITEM NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
120.00	120.00 FT 6.00 PC	0.00	18-63-230	1 1/4 X 20' 6063 T52 M/E SCH 40 PIPE	2.825	339.00
2.00	2.00 PC	0.00	50-03-175	.125" X 48" X 144" 5052 H32 ALUMINUM SHEET	290.000	580.00
			Misc	91 SHIPPING & HANDLING SURCHARGE		40.00

I

Sub-Total	Discounts	Tax	Handling	Freight	Misc	TOTAL-DUE
959.00	0.00	59.74	0.00	0.00	0.00	1,018.74

1-1/2% interest per month can be charged on past due accounts over 30 days. In the event of a suit for collection, reasonable attorney's fees and collection costs will be added to the cost of this invoice. In the event of any litigation from this contract or account, the parties agree that venue be in Palm Beach County, Florida, and Florida law will govern. No returns will be allowed without obtaining a return authorization number. All returns are subject to a restocking fee.

American Metals Supply LLC
PO Box 96654
Charlotte NC 28296
United States
(813) 242-8100
sales@americanmetals.us

Invoice

Date: 2/19/2026

Invoice # INV199730

SOLD TO

AC Signs, LLC.
11100 ASTRONAUT BLVD
Zone 4
ORLANDO, FL 32837
Angela@Acsigns.Com

SHIP TO

AC Signs, LLC.
11100 ASTRONAUT BLVD
Zone 4
ORLANDO, FL 32837
Angela@Acsigns.Com

AR Rep	SO#	PO #	Terms	Due Date
Sarah Gonzalez	SO178626	KCATA2026	N60	4/20/2026

Line #	Item	Legacy #	Qty	UOM	Unit Price	Amount
1	S-10-63-00010 1x2x.125 Rect. Tube 24' MF 6063T52 WMS Notes:		10	EA	$76.32	$763.20
2	S-01-63-00013 1-1/2x1-1/2x.125 Ar Angle 20' MF 6063T52 WMS Notes:		5	EA	$36.54	$182.70
3	Energy Surcharge WMS Notes:		1		$0.00	$20.00

Subtotal	$965.90
Tax	$61.48
Total	$1,027.38
Amount Due	$1,027.38

Thank you for your business!

Please remit all check payments to our lockbox at: American Metals Supply LLC, PO BOX 96654, Charlotte, NC 28296-6654

In accordance with the acceptance of the goods listed, I agree to pay interest of 1.5% per month, or the maximum legal rate of interest, whichever is less, if the account becomes past due. Further, I agree to pay all costs of collection, including reasonable attorney's fees, in the event the account is referred to others for collection. Any litigation in the collection of this account or otherwise, will take place in the appropriate court in the county and state of the American Metals Supply branch facilitating the sale of the goods.

Compare

Compliance

CA Prop65

1/2"-13 x 1-1/2" ASTM F3125 Grade A325 Hot Dipped Galvanized Steel Structural Bolt Only

SKU 19633

UNSPSC 31161614

Manufacturer FASTENAL APPROVED VENDOR

Product Attributes

System of Measurement	Imperial (Inch)
Material	Steel
Dia/Thread Size	1/2"-13
Type	Heavy Hex Structural Bolt
Length	1-1/2"
Grade	A325 Type 1
Bolt / Nut Style	Bolt Only
Finish	Hot Dip Galvanized

Online Price

$1.33 / each

Quantity 30

Add to Cart

Supply Chain

FNL Supply Chain

Direct Ship
Ships TOMORROW

Some restrictions apply, login to see shipping methods.

EXPRESS

Compare

1/2" ASTM F436 TYPE 1 HOT DIPPED GALVANIZED STEEL STRUCTURAL FLAT WASHER

SKU 0156022

UNSPSC 31161807

Manufacturer FASTENAL APPROVED VENDOR

Product Attributes

System of Measurement	Imperial (Inch)
Type	Structural Flat Washer - Made in USA
Material	Carbon Steel
Mating Fastener Size	1/2"
Outer Diameter	1.031" - 1.095"

Online Price

$0.44 / each

Quantity 1

Add to Cart

Supply Chain

Local DC Inventory

Direct Ship
Ships TOMORROW

Some restrictions apply, login to see shipping methods.

Compliance

Compare

Compliance

CA Prop65

1/2-13 Hot Dipped Galvanized A563 Grade DH Heavy Hex Nut

SKU 38206

UNSPSC 31161727

Manufacturer FASTENAL APPROVED VENDOR

Product Attributes

System of Measurement	Imperial (Inch)
Material	Carbon Steel
Dia/Thread Size	1/2"-13
Type	Heavy Hex Nut
Grade	DH
Finish	Hot Dip Galvanized
Thread Style	Full Thread
Thread Type	Coarse

Online Price

$164.00 / case of 100

Unit Price: $1.64 / each

Quantity 1

Add to Cart

Supply Chain

FNL Supply Chain

Direct Ship
Ships TOMORROW

Some restrictions apply, login to see shipping methods.

EXPRESS

Compare

Compliance

REACH

1/4"-20 x 1-1/4" Phillips Drive Flat Head Grade 18-8 Stainless Steel Machine Screw

SKU 1172712

UNSPSC 31161504

Manufacturer FASTENAL APPROVED VENDOR

Product Attributes

System of Measurement	Imperial (Inch)
Dia/Thread Size	1/4"-20
Material	Stainless Steel
Length	1-1/4"
Head Type	Flat
Drive Style	Phillips
Thread Type	Coarse

Online Price

$85.69 / package of 100

Unit Price: $0.86 / each

Quantity 1

Add to Cart

Supply Chain

Local DC Inventory

Direct Ship
Ships TOMORROW

Some restrictions apply, login to see shipping methods.

Compare

Compliance

1/4"-20 18-8 STAINLESS STEEL FINISHED HEX NUT

SKU 1170710

UNSPSC 31161727

Manufacturer FASTENAL APPROVED VENDOR

Product Attributes

System of Measurement	Imperial (Inch)
Material	Stainless Steel
Dia/Thread Size	1/4"-20
Type	Hex Nut - Finished
Grade	18-8
Finish	Plain
Thread Style	Full Thread

Online Price

$22.02 / package of 100

Unit Price: $0.22 / each

Quantity
1

Add to Cart

Supply Chain

FNL Supply Chain

Direct Ship
Ships TOMORROW

Some restrictions apply, login to see shipping methods.

GRIMCO

Search products

All Categories | Brands | Apparel Decoration | Electrical | Equipment | Graphics | Traffic | My Fav

Home / Vinyl & Application Tape / Translucent Cut Vinyls / 3M™ Envision 3730 Translucent Film / 3730-167L-48

3M™ Envision 3730 Translucent Film

SKU: 3730-167L-48, 3M™ Envision 3730 Translucent Film 48" x 50 yd, Bright Blue

SIZE WIDTH X LENGTH: 48 " x 50 yd

COLOR CODE: 167L

COLOR: Bright Blue

SEE MORE

clear all selections

Estimate delivery to 32837

List Price $1,883.83

$1,393.70

($27.87 / yard)

Compare | Add to Favorites

quantity 1 | Add to Cart

3M™ Diffuser 3635 Films

SKU: 3635-70-4850, 3M™ Diffuser 3635 Films 48" x 50 yd, White 70% Diffuser

SIZE WIDTH X LENGTH: 48 " x 50 yd

LIGHT TRANSMISSION: 65%

42% (+/- 2%)

65%

COLOR: White 70% Diffuser

clear all selections

Estimate delivery to 32837

List Price $893.75

$787.27

787.27 / 50 = $15.75/Yard

quantity 1 | Add to Cart

Compare | Add to Favorites

Compare

Add to Favorites

Top Seller | Grimco Exclusive | Last purchased on 1/14/2026

Briteline Transfer Tape

SKU: RGT36, Briteline Transfer Tape 36" x 100 yd

SIZE WIDTH X LENGTH

36 " x 100 yd

clear all selections

Estimate delivery to 32837

List Price ~~$229.65~~

$217.32

($6.04 / 100 inches)

quantity *

1

Add to Cart

Quantity savings available!

Reference the pricing table to see your discounted rates!

Search keyword, item, model or part number

All products | Brands | Branch locator | Services | Company | Contact us

Don't have a CES online **Trade Account?** Apply now

Home / Active Top Sellers & C... / Wire Termination, Spl... / Wire Splicing and Acc... / Wire Connectors / Twist-On Wire Conne... / Active Top Sellers / 18-8 Awg, Cu Wire Co...

Roll over to zoom. Click for full-size view.

Don't have a Trade Account yet?

Apply to experience all the benefits available to you.

Sign in

F4P

18-8 Awg, Cu Wire Connectors Bag

Catalog code P 1301
Stock code 0012-2143

1,819,501 available

Delivery options

Order quantities

○ Pack of 100 ● Bag of 500

$87.35 per 1,000
Bag of 500 ($0.09 each)

− 500 +

Add to cart

Add to template

INVOICE

C.E.S. (City Electric Supply - FL)
PO BOX 609521
Orlando, FL 32860-9521

Invoice Number:	KIS/191344
Invoice Date:	11/18/25
Your Order Number:	G47
Account #:	01141107001

C.E.S. (Kissimmee)
2510 West Michigan Ave
Unit G
Kissimmee, FL 34744

Phone: 407-847-4406
Fax: 407-847-6681
Email: Kissimmee0114@cityelectricsupply.com

Delivery Info:

AC SIGNS LLC
11100 ASTRONAUT BLVD
ORLANDO, FL 32837

AC SIGNS LLC
11100 ASTRONAUT BLVD
ORLANDO
FL
32837

QTY	Item	Description	$ Price	Per	Disc	$ Goods
0		DELIVER IN AM*********	0.00			0.00
1000	THHN-12-STR-BLK-CU-500	THHN-12-BLK-19STR-CU-500S/R	189.30	M		189.30
1000	THHN-12-STR-WHT-CU-500	THHN-12-WHT-19STR-CU-500S/R	189.30	M		189.30
1000	THHN-12-STR-GRN-CU-500	THHN-12-GRN-19STR-CU-500S/R	189.30	M		189.30
10	ORBIT LT90-75	3/4" 90D Liquid Tight Connector	432.74	C		43.27
0	TOPAZ ELECTRIC 472	10 x 472 3/4" STRAIGHT LIQUID TIGHT CONN	503.00	C		0.00

CITY ELECTRIC SUPPLY

RAB

WIN A TRIP WHEN YOU PURCHASE RAB!

October 1 – December 31

Shop RAB's energy-saving indoor and outdoor lighting solutions and earn chances to win a cruise, golf getaway, or fishing trip. Get one raffle entry for every $250 spent on RAB! Terms and Conditions apply.
Valid 10/1/2025 – 12/31/2025. CES Orlando District only.

Payment to: C.E.S. (City Electric Supply - FL) PO BOX 609521 Orlando, FL 32860-9521

TO PAY ONLINE VISIT **www.cityelectricsupply.com**

Goods Total:	$	611.17
Tax Rate:		7.50%
Tax Total:	$	45.84
Total	$	657.01

FOR COMPLETE TERMS OF SALE, SEE SELLER'S ONLINE T&Cs AT CITYELECTRICSUPPLY.COM. RISK OF LOSS IN THE GOODS PASSES TO BUYER: (i) UPON DELIVERY TO BUYER'S DESIGNATED DELIVERY SITE IF GOODS ARE DELIVERED IN SELLER'S OWN VEHICLE; OR (ii) AT THE POINT OF SHIPMENT VIA DROPSHIP OR THIRD PARTY CARRIER; OR (iii) UPON BUYER POSSESSION IN ALL OTHER CASES. THE GOODS REMAIN THE PROPERTY OF SELLER UNTIL PAID FOR IN FULL. GOODS ARE SOLD SUBJECT TO SELLER'S TERMS OF SALE AND VENDORS' TERMS OF SALE, COPIES OF WHICH ARE AVAILABLE UPON REQUEST. E & OE. Please visit our website for company information and product promotions.

Branch ID#: 114 Group ID#: 9017

INVOICE

C.E.S. (City Electric Supply - FL)
PO BOX 609521
Orlando, FL 32860-9521

Invoice Number:	KIS/184349
Invoice Date:	03/07/25
Your Order Number:	P1X
Account #:	01141107001

C.E.S. (Kissimmee)
2510 West Michigan Ave
Unit G
Kissimmee, FL 34744

Phone: 407-847-4406
Fax: 407-847-6681
Email: Kissimmee0114@cityelectricsupply.com

Delivery Info:

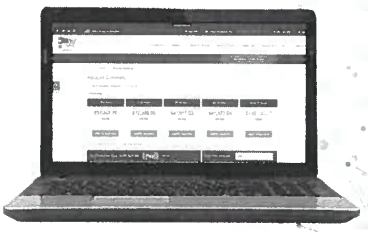
AC SIGNS LLC
11100 ASTRONAUT BLVD
ORLANDO, FL 32837

AC SIGNS LLC
11100 ASTRONAUT BLVD
ORLANDO
FL
32837

QTY	Item	Description	$ Price	Per	Disc	$ Goods
0	BWF-STEPHENS NMLT50	100 x NMLT50 1/2" NM FLEX 100FT ROLL	63.87	C		0.00
25	WI NMFS050	WI 2PC STRAIGHT CONN 1/2"	108.14	C		27.04
25	WI NMFA050	WI 2PC 90 DEG CONN 1/2"	250.86	C		62.72
100	MADISON 620230	1/2" UL L/T MTL CONDUIT 100FT	387.67	C		387.67
25	WI NMFS050	WI 2PC STRAIGHT CONN 1/2"	108.14	C		27.04
25	WI NMFA050	WI 2PC 90 DEG CONN 1/2"	250.86	C		62.72

Because History is Important

Review Your Transaction History at
www.CityElectricSupply.com



Payment to: C.E.S. (City Electric Supply - FL) PO BOX 609521 Orlando, FL 32860-9521

TO PAY ONLINE VISIT **www.cityelectricsupply.com**

Goods Total:	$	567.19
Tax Rate:		7.50%
Tax Total:	$	42.54
Total	$	609.73

FOR COMPLETE TERMS OF SALE, SEE SELLER'S ONLINE T&Cs AT CITYELECTRICSUPPLY.COM. RISK OF LOSS IN THE GOODS PASSES TO BUYER: (i) UPON DELIVERY TO BUYER'S DESIGNATED DELIVERY SITE IF GOODS ARE DELIVERED IN SELLER'S OWN VEHICLE; OR (ii) AT THE POINT OF SHIPMENT VIA DROPSHIP OR THIRD PARTY CARRIER; OR (iii) UPON BUYER POSSESSION IN ALL OTHER CASES. THE GOODS REMAIN THE PROPERTY OF SELLER UNTIL PAID FOR IN FULL. GOODS ARE SOLD SUBJECT TO SELLER'S TERMS OF SALE AND VENDORS' TERMS OF SALE, COPIES OF WHICH ARE AVAILABLE UPON REQUEST. E & OE. Please visit our website for company information and product promotions.

Branch ID#: 114 Group ID#: 9017

Invoice-IN162061

AC SIGNS

Net 45

AC SIGNS
11100 ASTRONAUT BOULEVARD
ORLANDO FL 32837
United States

Date	PO #	Shipping Method	Memo for Customer
4/18/2024	TW	UPS® Ground	

Item	Description	Item Image	Qty	Rate	Amount	Units
OM-2D-W7CL-HE	OpticMax 2D, 2 Diodes, White 7200K, 180 Beam Angle, 24V, 0.5W, IP68, 1.5 mod/ft, 100 mod/bag		20	$140.00	$2,800.00	Bag-100
EVE-100-24-II	EVE Series Power Supply, 100W, 24V, 90~305VAC, 4A output, single output, IP68, Class 2		20	$47.00	$940.00	EA
Shipping Credit				$-79.22	$-79.22	
UPS® Ground	UPS Ground		1	$79.22	$79.22	

Subtotal	$3,740.00
Tax Total (%)	$243.10
Invoice total	$3,983.10
Payment	$0.00
Amount Due	**$3,983.10**

IN162061

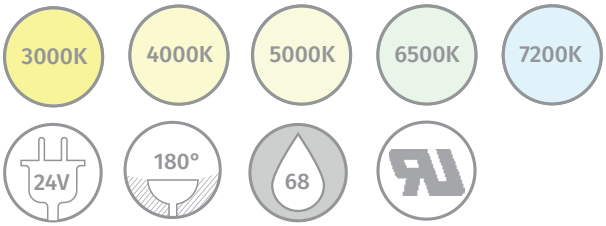
For returns and exchanges, there will be a 20% restocking fee for unused and unopened products. Shipping charges will be at the customer's expense. Everylite will not accept any product exchange or return after 30 days from the purchase date. If the customer would like to exchange a product and there is a price difference, it would be taken as credit or balance into their account. Customized products are not eligible for this process. Customers that use a Freight Forwarder for international shipments will be subject to taxes if they do not provide the required documentation on the Credit Card Authorization form.

EVERYLITE®
www.everylite.com

Date:	
Type:	
Firm Name:	
Project:	

Optic Max 2D Series

Everylite Datasheet Ver 2.3
Revision Date 08t/2024



Features

- Preinstalled double-sided tape for a quick layout and screw holes in all modules for easy permanent installation
- Incredible 180° optical lens provides maximum, even light output across the sign face
- IP68 and UV resistant with fully integrated molding and lens
- 50000 hours rated lifetime
- UL, CE and RoHS

OM-2D-WXCL-HE

Product Line
Optic Max

Diodes per Module
2

Color
White (3000K, 4000K, 5000K, 6500K, 7200K)

Technology
Constant Current

Lens Type
L- Lens
N- No Lens

OpticMax 2D Series Parameters

Item #	Color	Peak Wave Length	module/ft	Lm/module	Lm/ft	Lm/W	W/module	W/ft	Input Voltage	Viewing Angle	Waterproof
OM-2D-W3CL-HE	Warm White	3000K	1.5	82	123	159	0.5	0.8	24	180°	IP68
OM-2D-W4CL-HE	Daylight White	4000K	1.5	84	126	166	0.5	0.8	24	180°	IP68
OM-2D-W5CL-HE	Natural White	5000K	1.5	87	131	171	0.5	0.8	24	180°	IP68
OM-2D-W6CL-HE	Pure White	6500K	1.5	86	129	171	0.5	0.8	24	180°	IP68
OM-2D-W7CL-HE	Cool White	7200K	1.5	80	120	162	0.5	0.8	24	180°	IP68

Power Supply Maximum Loading Capacity*

Power Supply	60W	100W	200W
By Module	108 mods	180 mods	345 mods
By Footage	72 ft	120 ft	230 ft

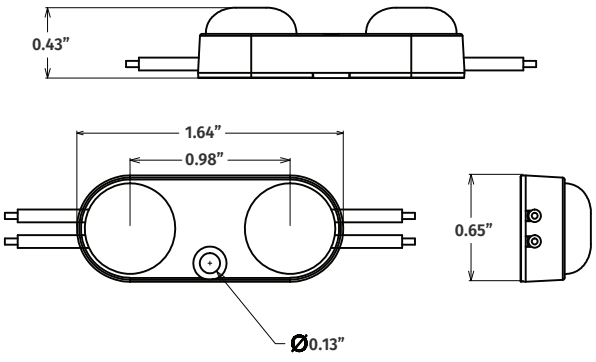
**Due to voltage drop, a maximum of 50 modules can be run before power needs to be reintroduced into the line of modules.*

Spacing Recomendations

Can Depth	Mod-to-Mod Spacing Mods/Ft	Mod-to-Mod Spacing Center to Center	Letter Stroke	Max Spacing Between Runs
2”	2.1	5.75”	6”	5.75”
3”	1.5	7.75”	8”	7.75”
4”	1.25	9.75”	9.5”	11”
5”	1.2	10”	10”	11.75”

Drawing

Unit: inches



EVERYLITE®
www.everylite.com

Date:	
Type:	
Firm Name:	
Project:	

EVE-100-24-II

Everylite Datasheet Ver 3.0.0
Revision Date 08/2021

68 | 100W | 240V

Description

EVE-100-24-II Class 2 LED power supply is a high efficiency and high performance power solutions for LED signage and other outdoor applications by featuring a wide input voltage range 100-305VAC with PFC function, surge, over voltage, over current, over temperature and short circuit protections. With the highest waterproof grade of IP68, it is designed to work under a wide range of environmental conditions with multiple protection functions for wide operating temperatures -40° F to +122° F.

Features

- 100-305VAC nominal input voltage
- IP68 metal case with silicone encapsulated designed for indoor or outdoor applications, suitable for dry, damp and wet location
- Built-in PFC function
- Protections: Short circuit, over current, over voltage, over temperature with auto recovery
- Compliance to worldwide safety regulations for lighting: UL, CE, GS, CQC
- 5 year product warranty

Specification

Output Characteristics	
Rated Output Voltage	24V
Rated Output Current	4A
Rated Output Power	100W
Output Voltage Accuracy	±5% (22.8-25.2V)
Output ripple & noise	290mVp-p

Environmental Characteristics	
Vibration	10~500HZ,5G, 12 min./1 cycle period for 72min. (for X, Y, Z each axis)
IP Grade	IP68
Storage Humidity	10~95%RH
Storage Temperature	-40°F~+158°F
Working Humidity	20~95%RH (non-condensing)
Working Temperature	-40°F~+122°F

Safety and EMC		
Safety Standard		UL, FCC, CLASS II, RoHS
Dielectric Strength (Hi-Pot)	I/P-O/P	3.75KVAC
	I/P-Case	2.0KVAC
Isolation Resistance		100MOhm Max/ 500VDC
Grounding Resistance		100MOhm
EMC		FCC part 15 class B

Input Characteristics	
Input Voltage Range	100~305VAC
Input Frequency Range	50-60HZ
Input Current	1.6A @ 115V
	0.8A @ 230V
Inrush Current (cold start)	≤60A (230VAC)
Efficiency	≥87%

Protective Characteristics	
Over-Temperature Protection	Yes
Over-Voltage Protection	Yes
Short-Circuit Protection	Yes
Over-Current Protection	Yes

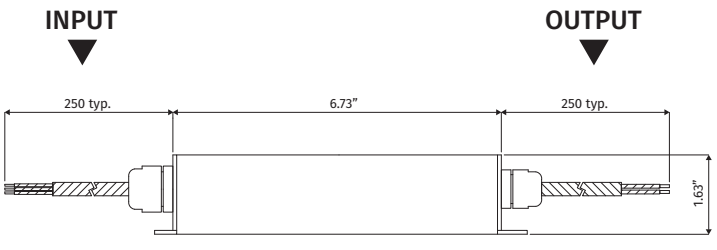
Other Characteristics	
Size	7.66”x2.23”x1.63”(L*W*H)
Weight	1.65 lbs

Notes

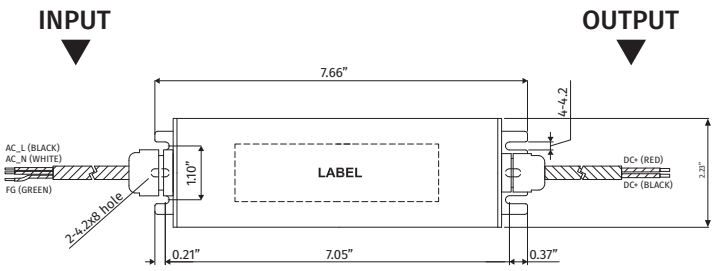
- All Parameters not specially mentioned are measured at 220VAC.
- Test environment temperature : 77°F
- Ripple & noise are measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with 0.1uF & 47uF parallel capacitor.
- The above data are typical values; the actual data of each single product could differ from the typical values.
- The data subject to change without prior notice.
- Please ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Please ensure the power supply position has sufficient airflow. Operating temperature must be between -40°F to +122°F.
- Power supply operates at high temperature. To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- To be installed by a certified electrician. Please contact the supplier with any questions.

Drawing

Unit: inches

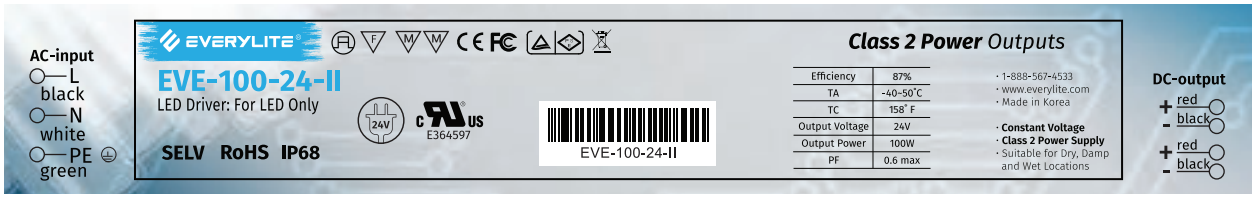


SIDE VIEW



TOP VIEW

Label Drawing



BEN'S PAINT SUPPLY, LLC

2727 N JOHN YOUNG PKWY SUITE C
KISSIMMEE, FL 34741
(407) 944-8900 FAX: (407) 944-4041

Debit Sales Order

Order Date	Invoice #
11/18/2024	7-194868
Page: 1	REPRINT

AC SIGNS, LLC
11100 ASTRONAUT BLVD.
ORLANDO, FL 32837-9202

Same

Salesperson	Clerk	Customer #	Customer P.O.	Terms	Ship Via
CHRISTY	EVELYN	4078575564		CHG	DELIVERY

Qty	Mfr	Part Number	Description	Price	ExtPrice
2	MPC	41342SP	GALLON GLOSS BRUSHED ALUMINUM	215.47	430.94
2	MPC	42228SP	GALLON SATIN BLACK	176.19	352.38
2	MPC	N202SP	GALLON SATIN WHITE	169.46	338.92

Upon return of a defective item, purchaser is entitled to repair/replace, if return is w/i the mfrs wnty. No wnty claims honored for items improperly installed, repaired, maintained or altered. No liability for consequential/incidental damages. Returns for items in original condition, with original invoice, accepted for 30 days only and subject to a 15% restocking fee. No refund on special orders. $30 charge on all returned checks. Past due balances subject to interest at 1.5%/mth and reasonable collection fees.

6 7-3548159 09:25:35 19 Nov 2024 (61)61

Freight	
Non-Taxable	0.00
Taxable	1122.24
Total Tax	72.95
Total	1195.19

Received By:_____ OF:____ DEL:____ TOD:____

(295)

BEN'S PAINT SUPPLY, LLC

2727 N JOHN YOUNG PKWY SUITE C
KISSIMMEE, FL 34741
(407) 944-8900 FAX: (407) 944-4041

redit Return

Order Date	Invoice #
08/27/2024	7-193814

Page: 1

AC SIGNS, LLC
11100 ASTRONAUT BLVD.
ORLANDO, FL 32837-9202

Same

Salesperson	Clerk	Customer #	Customer P.O.	Terms	Ship Via
CHRISTY	TAMARA	4078575564		CHG	DELIVERY

Qty	Mfr	Part Number	Description	Price	ExtPrice
2	MPC	42228SP	GALLON SATIN CLEAR	176.19	352.38
2	MPC	43270SP	GALLON UNIVERSAL CATALYST	170.57	341.14

Reason : OVERSTOCK
Previous Invoice(s) :

MPC.42228SP	GALLON	7-193800	08/27/2024	2	176.19
MPC.43270SP	GALLON	7-193800	08/27/2024	2	170.57

Manager Approval _____

Customer Copy

on return of a defective item, purchaser is entitled to repair/replace, if return is w/i the mfrs wnty. No wnty claims honored for tems improperly installed, repaired, maintained or altered. No liability for consequential/incidental damages. Returns for items in riginal condition, with original invoice, accepted for 30 days only and subject to a 15% restocking fee. No refund on special rders. $10 charge on all returned checks. Past due balances subject to interest at 1.5%/mth and reasonable collection fees.

4 7-3523510 12:22:04 27 Aug 2024 (60)60

Freight	
Non-Taxable	0.00
Taxable	693.52
Total Tax	45.08
Total	-738.60-

Received By:_____ OF:____ DEL:____ TOD:____

BEN'S PAINT SUPPLY, LLC

2727 N JOHN YOUNG PKWY SUITE C
KISSIMMEE, FL 34741
(407) 944-8900 FAX: (407) 944-4041

Debit Sales Order

Order Date	Invoice #
11/18/2024	7-194857

Page: 1

AC SIGNS, LLC
11100 ASTRONAUT BLVD.
ORLANDO, FL 32837-9202

Same

Salesperson	Clerk	Customer #	Customer P.O.	Terms	Ship Via
CHRISTY	EVELYN	4078575564		CHG	DELIVERY

Qty	Mfr	Part Number	Description	Price	ExtPrice
2	MPC	43270SP	GALLON UNIVERSAL CATALYST	170.57	341.14
6	AES	141	BOX SPRAY HOOD	27.96	167.76*
5	SAS	66519	BOX XL RAVEN PF NITRILE GLOVES	18.69	93.45*
2	PPG	JP202	GALLON 2K PRIMER SURFACER	147.23	294.46
1	MPC	6396SP	GALLON HOT TEMP REDUCER	66.21	66.21
0	MPC	41342SP	GALLON GLOSS BRUSHED ALUMINUM	215.47	0.00
24	3M	6656	ROLL YELLOW 2"TAPE 388N	8.76	210.24*
1	SAS	66519	BOX XL RAVEN PF NITRILE GLOVES	18.69	18.69*

**** The Following Items were Backordered on this Invoice.

~~1 SAS 66519 BOX XL RAVEN PF NITRILE GLOVES~~

2 MPC 41342SP GALLON GLOSS BRUSHED ALUMINUM

Upon return of a defective item, purchaser is entitled to repair/replace, if return is w/i the mfrs wnty. No wnty claims honored for items improperly installed, repaired, maintained or altered. No liability for consequential/incidental damages. Returns for items in original condition, with original invoice, accepted for 30 days only and subject to a 15% restocking fee. No refund on special orders. $30 charge on all returned checks. Past due balances subject to interest at 1.5%/mth and reasonable collection fees.

*=Taxable

41 7-3547973 11:26:17 18 Nov 2024 (61)62

Freight	1.75
Non-Taxable	0.00
Taxable	1191.95
Total Tax	77.48
Total	1271.18

Received By:_____ OF:____ DEL:CF TOD:12:21

(4)

BEN'S PAINT SUPPLY, LLC

2727 N JOHN YOUNG PKWY SUITE C
KISSIMMEE, FL 34741
(407) 944-8900 FAX: (407) 944-4041

)ebit Sales Order

Order Date	Invoice #
10/23/2024	7-194475

Page: 1

AC SIGNS, LLC
11100 ASTRONAUT BLVD.
ORLANDO, FL 32837-9202

Same

Salesperson	Clerk	Customer #	Customer P.O.	Terms	Ship Via
CHRISTY	AMBER	4078575564		CHG	DELIVERY

Qty	Mfr	Part Number	Description	Price	ExtPrice
1	MPC	6396SP	GALLON HOT TEMP REDUCER	66.21	66.21
2	PPG	DCU2042	GALLON LOW VOC SPEED CLEAR	499.80	999.60
2	PPG	DCX61	QUART HIGH SOLIDS HARDENER	243.03	486.06
4	SUR	100	BOX B/C TACK RAGS	12.25	49.00*
1	PBE	STRAINERS	CASE 190 MICRON STRAINERS	49.84	49.84*

*** The Following Items were Backordered on this Invoice.
1 MPC 6396SP GALLON HOT TEMP REDUCER

Upon return of a defective item, purchaser is entitled to repair/replace, if return is w/i the mfrs wnty. No wnty claims honored for items improperly installed, repaired, maintained or altered. No liability for consequential/incidental damages. Returns for items in original condition, with original invoice, accepted for 30 days only and subject to a 15% restocking fee. No refund on special orders. $35 charge on all returned checks. Past due balances subject to interest at 1.5%/mth and reasonable collection fees.

*=Taxable

10 7-3539628 12:43:14 23 Oct 2024 (60)61

Freight	1.75
Non-Taxable	0.00
Taxable	1650.71
Total Tax	107.30
Total	1759.76

Received By:_____ OF:____ DEL:____ TOD:____

Compare

Add to Favorites

Polycarbonate by the Foot

SKU: PCS52177W, Polycarbonate by the Foot 55" x 1', White, .177"

★★★★★ (5)
Write a review
Ask a question

SIZE WIDTH X LENGTH

55 " x 1 '

THICKNESS

.177 "

COLOR

White

clear all selections

Estimate delivery to 32837

List Price ~~$29.36~~

$23.49

($5.13 / ft²)

quantity *

1

Add to Cart

REQUEST FOR INFORMATION (RFI)

To: GREATER ORLANDO AVIATION AUTHORITY
Senior Project Manager

RFI No.: 08
Date: 2/20/2026
Sheet: 1 of 1

Project No. / Name: BP-00505 Roadway Signage Upgrades

Date Information Required: _____
OT
Reference: Contract Drawing: _____ Specification: _____
Shop Drawings: _____ Other: X

Subject: Back-Lit Top Cabinet

Description
Per recent discussion, GOAA has requested a change in scope for a Back-Lit Top Cabinet. Please provide confirmation of this change. Upon confirmation, we will provide pricing.

Pending reply, proceeding as follows:

Contractor Signature: Jeff Holaday, Project Manager.

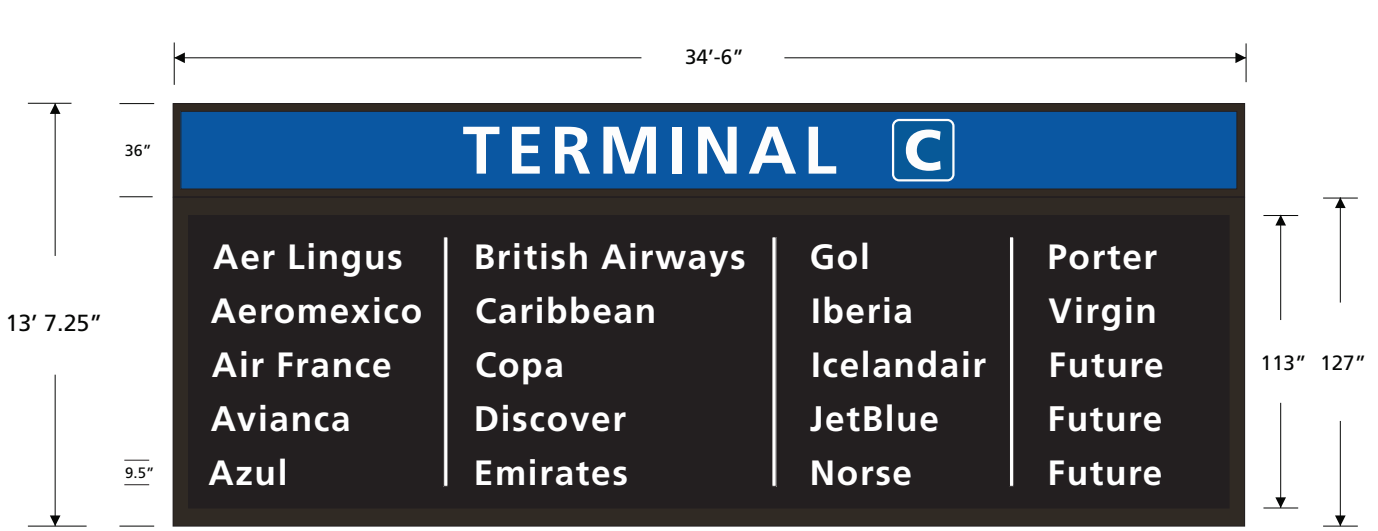
Response:

Confirmed addition of back lit top cabinet. A bulletin will be issued to capture this change. Note one additional electrical circuit will be required.

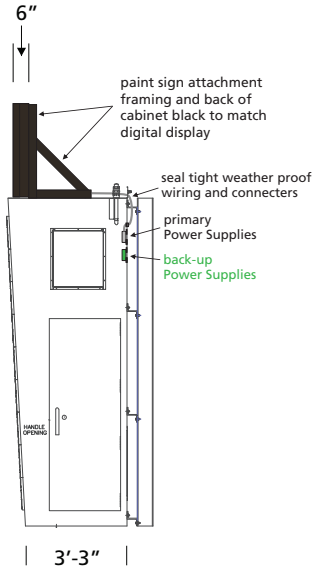
A/E Signature: Sean Day
GOAA (or OAR) Signature: Fritz Girault

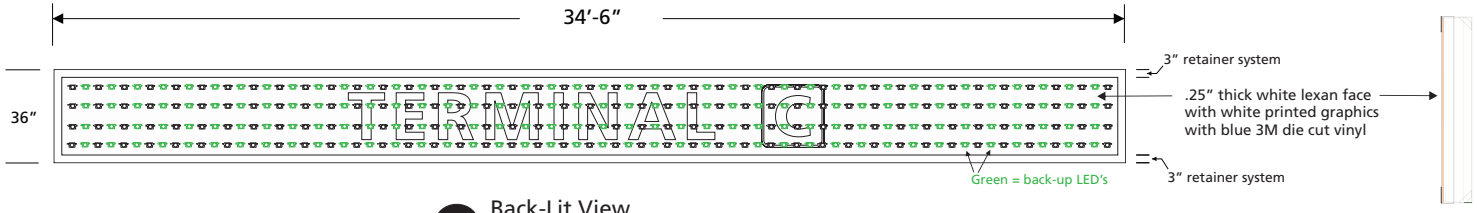
cc: A/E, OAR, GOAA

BP-00505 - Roadway Signage Upgrades-Heintzelman Blvd.
Concept Documents - OT-HB-10 (south bound)



1 Graphic View
Scale is - 1/4” = 1’





1 Back-Lit View
Scale is - 1/4” = 1’

1 Side View
Scale is - 1/2” = 1’

Fabricate (1) U.L. Listed 3’ tall by 34’-6” long by 6” deep internally illuminated cabinet
Sign to have (2) sets of LED’s: (1) primary set and (1) back up set for if/when the first set fails.
Sign to have (2) sets’ of power supplies: (1) primary set and (1) back up set for if/when the first set fails
Power supplies to be remotely mounted inside the LedStar Walk-in cabinet
Properly label power supplies inside LedStar Cabinet
Sign to be installed at LedStar’s facility

- 3M Translucent White Vinyl (Text) with UV overlam
- 3M Translucent Digital Print PMS 301C (Terminal C Symbol) with UV overlam
- 3M Envision - Bright Blue - 3730-167L (Back-Ground)

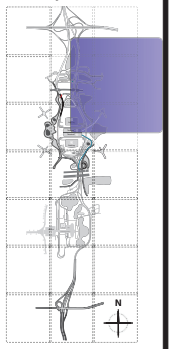
GREATER ORLANDO AVIATION AUTHORITY

BP-00505
Roadway Signage Upgrades Heintzelman Blvd.

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description
1	8.18.2025	update Ground Signs
2	9.05.2025	update Ground Signs
3	1.06.2026	update Top Cabinet

Project No.:	BP-00505
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	7.23.2024
Drawing Scale:	Varies

Drawing Title:

OT-HB.10

Drawing No.

01.08

OAR Estimate of Probable Construction Costs

BP-00505 Roadway Signage Upgrades, Heintzelman Blvd.

CO-03 Illuminated Aluminum Cabinet Sign Addition

Prepared by: PSA Management

Size: 3'-0" H × 34'-0" L × 6" Deep
Face Area: 102 SF
Mounting: Installed above existing walk-in roadway sign cabinet (factory installation, field connection)

10 14 00 – Signage

10 14 16 – Exterior Illuminated Cabinet Signage

Item	Description	Qty	Unit	Unit Cost	Total
10 14 16.01	Design development, graphic layout, approved concept (performed by OAR SME)	0	LS	$1,000	$0
10 14 16.02	Engineering review and stamped shop drawings (wind load verification and attachment design, UL rated as part of Ledstar Cabinet)	1	LS	$1,500	$1,500
10 14 16.03	Shop drawings and fabrication documentation	1	LS	$800	$800
10 14 16.04	Aluminum cabinet fabrication (3' × 34' × 6", welded aluminum frame, external stiffeners)	102	SF	$75	$7,650
10 14 16.05	Exterior sign cabinet coating system	102	SF	$8	$816
10 14 16.06	LED internal illumination modules and power supplies	2	EA	$2,000	$4,000
10 14 16.07	3M vinyl graphic face with laminate protection, translucent film	102	SF	$16	$1,632
10 14 16.08	Electrical wiring, drivers, and internal cabinet lighting distribution	1	LS	$700	$700
10 14 16.09	Factory mounting of cabinet to existing walk-in sign structure	1	LS	$1,200	$1,200
11 14 16.10	Credit Base Design non-illuminated less custom sign box, non-translucent film	-1	LS	$ 3,250	$ (3,250)
12 14 16.11	Delivery from AC Signs to Ledstar	4	HR	$ 55	$ 220

Subtotal – Section 10 14 16

$15,268

26 05 00 – Common Electrical Work

26 05 19 – Low-Voltage Electrical Power Conductors

Item	Description	Qty	Unit	Unit Cost	Total
26 05 19.01	Electrical connection to existing sign power source including conduit whip and junction box	1	LS	$900	$900

Subtotal – Electrical

$900

Project Cost Summary

Category	Cost	
Sign Design & Engineering	$2,300	(less design concept by OAR SME)
Sign Fabrication	$14,798	
Factory Mounting	$1,200	
Electrical Hook-Up	$900	
Credit	-$3,250	
Delivery	$220	

OAR Estimate of Probable Construction Costs

$16,168

2,425 Contractor M/U 15%

$18,593 Grand Total

Greater Orlando Aviation Authority

Published By: Jennifer V
Reviewed By: Jeff Reine

CCM HANDOUT 4/28/2026 Item III-B Revised Memo and Backup

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	G-00049 Repair & Replace Faded Roadway Signage at Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd	DATE: 05/05/26
CONTRACTOR:	Baron International, LLC, dba Baron Sign Manufacturing	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Provide all labor, material, and equipment to repair and replace roadway signage at Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $238,352.76

Item #2 – Allowance Reduction-Reduce the Allowance by ($238,352.76) From $1,800,000.00 to $1,561,647.24 to cover the costs of Item #1 above.

Deduct: ($238,352.76)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 203,560.43		
GOAA/OAR Estimate	$ 198,900.00		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 148,655.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00

CC ITEM III-B 04/28/2026

Published By: Jennifer Woods
Reviewed By: Jeff Reine

	Errors	$ 0.00
PREPARED BY: Jennifer Woods		PHONE: x4056

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		04/27/26	B.S.	Melvin Martinez

BARON SIGN MANUFACTURING

Baron International LLC
17180 Innovation Drive
Jupiter, FL 33478

estdept@baronsign.com
License: EC13009604
FEIN: 37-1904753

Samantha Coursen
Direct: 561-721-0682
Office: 561-863-7446, ext: 1007

Project Name: GOAA- Roadway Signange - Orlando - G-00049

	Product	Size	Type	Qty	Unit	Tax Exempt	Amount
	All pricing includes installation and design.						
1	**GM.BR.01, GM.BR.10, GM.BR.15, CM.CR.01, GM.CR.10, GM.TP.01,GM.TP.05, GM.TP.10, GM.TP.15, GM.TP.20, GM.TP.25, GM.TP.30, GM.TP.35, GM.TP.40, GM.TP.45, GM.TP.50, GM.TP.55, GM.TP.60, GM.TP.65, GM.TP.70 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing steel plate & pipe structure	60"x108"	A125	20	$ 4,421.77	$ 4,421.77	$ 88,435.40
2	**GM.CR.05, GM.CR.25, GM.CR.32, GM.CR.35, GM.CV.05 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing steel plate & pipe structure	66"x108"	A125	5	$ 4,664.74	$ 4,664.74	$ 23,323.70
3	**GM.CR.06, GM.CR.07 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing steel plate & pipe structure	72"X108"	A125	2	$ 4,743.94	$ 4,743.94	$ 9,487.88
4	**GM.CR.30 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	66"x108.375"	A125	1	$ 4,664.74	$ 4,664.74	$ 4,664.74
5	**GM.CR.20 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	66"X120"	A125	1	$ 4,763.74	$ 4,763.74	$ 4,763.74
6	**GM.CR.21, GM.CV.10, GM.CV.07 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back strcuture & installed to existing "I" beams	72"x48"	A125	3	$ 3,383.54	$ 3,383.54	$ 10,150.62
7	**GM.CV.15 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	72"x60"	A125	1	$ 3,636.72	$ 3,636.72	$ 3,636.72
8	**GM.CR.22 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	72"x60.312"	A125	1	$ 4,011.25	$ 4,011.25	$ 4,011.25
9	**GM.CR.P.01 -** Two 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	108"x72"	A125	2	$ 4,743.94	$ 4,743.94	$ 9,487.88
10	**GM.CR.P.05 -** 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	108.375"x72"	A125	1	$ 4,761.55	$ 4,761.55	$ 4,761.55
11	**GM.CR.15 -** 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	60"x86.875'	A125	1	$ 3,773.12	$ 3,773.12	$ 3,773.12
12	**GM.CR.12 -** 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	48"x36"	A125	1	$ 3,145.96	$ 3,145.96	$ 3,145.96
13	**UV printing & UV over laminate cut out to size on diamond grade - LDB/VBE Requirment**			1	$ 7,712.00	$ 7,712.00	$ 7,712.00
14	**UV Print & UV over laminate 15% Mark-up**			1	$ 1,156.80	$ 1,156.80	$ 1,156.80
48	**MOT - LDB/VBE Requirment - Cost $10,840**			1	$ 10,840.00	$ 10,840.00	$ 10,840.00
49	**MOT 15% Mark-up**			1	$ 1,626.00	$ 1,626.00	$ 1,626.00
54	**Bonding - 2% + Bond Administration Fee ($1500)**			1	$ 37,500.00	$ 37,500.00	$ 37,500.00
	Please note: Regarding monuments, or other ground mounted signs, which go through permitting, this is a pre-engineering estimate. It may be subject to a change order after sign has been engineered for Florida wind loads.						

Site Survey - includes 1 travel to site prior to installation	$ 1,500.00			1		$ 1,500.00	$ 1,500.00
Mobilization - includes 2 travels to site for installation	$ 3,962.70			2		$ 3,962.70	$ 7,925.40
Permit Drawing	$ 450.00			1		$ 450.00	$ 450.00

Price subject to change pending site survey results, material change, or sizing.

P95 - Matte acrylic (black or white)	CH - Channel letter, facelit
P99 - Non-glare clear acrylic	RCH - Reverse channel letter, halo lit
TFA - Thermoformed acrylic	NCH - Non-lit channel letter
AC125 - 1/8" acrylic	C(A, Br) - Cast (Aluminum or Bronze)
AC250 - 1/4" acrylic	V - Vinyl
A063 - 1/16" aluminum	S - Sintra PVC sheet
A125 - 1/8" aluminum	LDPE - Low density polyethylene
A25 - 1/4" aluminum	ACM - Aluminum composite material
A50 - 1/2" aluminum	AMIX - Mixture of materials

Tax Exempt

Total **QUALIFIED BUDGET** **$ 238,352.76**

Prices supported for 30 days from date submitted.

Typical installation/delivery is 6-8 weeks after final layout approval and receipt of permit if necessary. Rush orders can be accommodated for an additional charge. Please allow sufficient production time.

Quote Date	4/8/2026
Revision Date	4/22/2026
Revision Date	4/27/2026
Revision Date	
Revision Date	
Revision Date	
Revision Date	

Bid as per plans:
Addendum number:
Specification section:
Changes to specification after bid date may require new price confirmation.

26125 V5

J LEWIS AND COMPANY LLC

Traffic Control (MOT) Proposal

Prepared For: Baron Sign Manufacturing
Date: April 6, 2026

Scope of Services

Provide Maintenance of Traffic (MOT) services per FDOT Standard Plans Index 600 and 613, including setup, maintenance, and removal for shoulder and lane closures.

MOT Rate Schedule

Description	Index	Unit	Rate
Shoulder Closure Setup & Take Down	600	Day	$1,250
Right Lane Closure (Signs + Arrow Board)	613	Day	$2,100
Additional Lane Closure	613	Day	$1,850
Arrow Board	-	Day	Included
Portable Sign Package	-	Day	Included
Flagger (Onsite)	-	Hour	$55
Flagger Daily Minimum (8 Hr)	-	Day	$440

Flagging Crew Rates

Crew Description	Unit	Rate
2 Flaggers (Standard Lane Closure Support)	Day	$880
2 Flaggers + MOT Supervisor	Day	$1,150

Mobilization / Demobilization

$1,500 Lump Sum

Payment Terms

Invoices are due upon receipt.

Exclusions

Law enforcement officers (if required); night work premiums; work outside defined MOT scope.

J Lewis and Company LLC | Florida-Based Service Contractor

BARON SIGN MANUFACTURING
Concept to Completion

G-00049 REPAIR & REPLACE FADED ROADWAY SIGNAGE

Schedule

For this project, we anticipate an approximately 11% LDV/VBE participation rate, with one company providing material and printing services and another providing MOT services.

Here is the estimated timeline for completion once the project enters fabrication:

- **6/15/26:** Order materials, cut them to size, and route holes for fasteners.
- **7/6/26 :** Print on the diamond-grade vinyl (via our LDV printing partner).
- **7/20/26:** Apply the vinyl to the aluminum backers and attach the z-bars.
- **8/28/26:** Complete the final installation.

17180 Innovation Drive • Jupiter, FL 33478
Office: 561-863-7446 • Email: sales@baronsign.com

J LEWIS AND COMPANY LLC

Estimate for Maintenance of Traffic (MOT) Services

Client: Baron Sign Manufacturing
Date: April 25, 2026

Scope of Estimate

Provide roadway shoulder closure operations, right lane closure operations, and onsite flagging support in accordance with applicable FDOT traffic control standards.

Description	Qty	Unit Rate	Amount
Roadway Shoulder Closure	2 Days	$1,250	$2,500
Right Lane Closure (Signs + Arrow Board)	2 Days	$2,100	$4,200
2 Flaggers Crew	3 Days	$880	$2,640
Mobilization / Demobilization	1 LS	$1,500	$1,500

Operational Breakdown

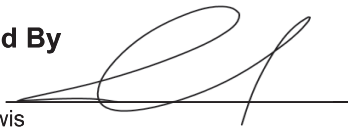
- Tradeport: Shoulder Closure will be utilized.
- Bear Rd / Cargo Rd Intersection: 2 Man Flagging operation will be needed.
- Remaining signs on Cargo Rd where two lanes are open: Lane Closure will be needed.
- Case Verde: 2 Man Flagging operation will be needed.

Total Estimated Cost	$10,840

Terms

- Invoices are due upon receipt.
- Any additional closures, standby time, night work, or out-of-scope services will be billed separately upon approval.
- The estimate does not include permits, Law Enforcement and/or night operations.

Prepared By

Signature: 
Jarrett Lewis
President

J Lewis and Company LLC | Florida-Based Service Contractor

Communicate 360
4228 North Orange Blossom Trail
Orlando, FL 32804 US
+1 4073225434
communicate360.net

Estimate

ADDRESS
Matt Nemic
Baron Sign Manufacturing
17180 Innovation Dr.
Jupiter, fl 33478

SHIP TO
Matt Nemic
Baron Sign Manufacturing
17180 Innovation Dr.
Jupiter, fl 33478

ESTIMATE 3877
DATE 04/08/2026

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 46" x 10.5"	1 ~~1~~	150.00	150.00T
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 6 7/8" x 6 7/8"	4 ~~1~~	25.00	~~25.00T~~ $100
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 37 3/8" x 8.5"	3 ~~1~~	115.00	~~115.00T~~ $345
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 6"x6"	4 ~~1~~	25.00	~~25.00T~~ $100
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 6 1/8" 6 1/4"	8 ~~1~~	25.00	~~25.00T~~ $200
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer (MCO logo) full color - one side Size: 10" x 32.25"	18 ~~1~~	115.00	~~115.00T~~ $2,070
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer (MCO logo) full color - one side Size: 7.5" x 23.5"	0 ~~1~~	~~65.00~~	~~65.00T~~
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer MCO logo full color - one side Size: 9.5" x 28.5"	3 ~~1~~	100.00	~~100.00T~~ $300
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer Orlando Tradeport full color - one side Size: 7.75"x25.5"	17 ~~1~~	70.00	~~70.00T~~ $1,190

SUBTOTAL	690.00
TAX	0.00
TOTAL	~~$690.00~~
	$4,455

Accepted By

Accepted Date

Communicate 360
4228 North Orange Blossom Trail
Orlando, FL 32804 US
+1 4073225434
communicate360.net

Estimate

ADDRESS
Matt Nemic
Baron Sign Manufacturing
17180 Innovation Dr.
Jupiter, fl 33478

SHIP TO
Matt Nemic
Baron Sign Manufacturing
17180 Innovation Dr.
Jupiter, fl 33478

ESTIMATE 3872
DATE 04/06/2026

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 37 1/4" x 8 1/2"	13 ~~1~~	89.00	~~89.00T~~ $1,157
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 8"x8"	11 ~~1~~	25.00	~~25.00T~~ $275
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 8" x 9 5/8"	4 ~~1~~	35.00	~~35.00T~~ $140
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 43 1/2" x 9 7/8"	2 ~~1~~	115.00	~~115.00T~~ $230
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 65" x 14 7/8"	2 ~~1~~	265.00	~~265.00T~~ $530
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 8 1/2" x 8 1/2"	4 ~~1~~	30.00	~~30.00T~~ $120
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 7 7/8"" x 9 3/8"	1 ~~1~~	35.00	~~35.00T~~ $35
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: 54 3/4" 12 1/2"	3 ~~1~~	190.00	~~190.00T~~ $570
Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: epass logo	2 ~~1~~	50.00	~~50.00T~~ $100

Large Format	UV Printing plus UV Over laminate cut out to size on 3M™ Diamond- provided by customer full color - one side Size: sun pass logo	2	~~1~~	50.00	~~50.00~~T $100

SUBTOTAL	884.00
TAX	0.00
TOTAL	~~**$884.00**~~ $3,257.00

Accepted By

Accepted Date

G-00049 Project Estimate Internal OAR - Jorge Hernandez-Corradino Inc

							New	Overlay	Total
		Sign	Qty	SF Total	SF New	SF Overlay	Amount	Amount	Amount
1	Cargo Rd	**GM CR 01**	1	45	45	0	$ 4,500	$ -	$ 4,500
2	Cargo Rd	**GM CR 05**	1	50	50	0	$ 5,000	$ -	$ 5,000
3	Cargo Rd	**GM CR 06**	1	54	54	0	$ 5,400	$ -	$ 5,400
4	Cargo Rd	**GM CR 07**	1	54	54	0	$ 5,400	$ -	$ 5,400
5	Cargo Rd	**GM CR P01**	2	108	108	0	$ 10,800	$ -	$ 10,800
6	Cargo Rd	**GM CR P05**	1	54	54	0	$ 5,400	$ -	$ 5,400
7	Cargo Rd	**GM CR 10**	1	45	45	0	$ 4,500	$ -	$ 4,500
8	Cargo Rd	**GM CR 12**	1	12	12	0	$ 1,200	$ -	$ 1,200
9	Cargo Rd	**GM CR 15**	1	35	35	0	$ 3,500	$ -	$ 3,500
10	Cargo Rd	**GM CR 20**	1	55	55	0	$ 5,500	$ -	$ 5,500
11	Cargo Rd	**GM CR 21**	1	24	24	0	$ 2,400	$ -	$ 2,400
12	Cargo Rd	**GM CR 22**	1	30	30	0	$ 3,000	$ -	$ 3,000
13	Cargo Rd	**GM CR 25**	1	50	50	0	$ 5,000	$ -	$ 5,000
14	Cargo Rd	**GM CR 30**	1	50	50	0	$ 5,000	$ -	$ 5,000
15	Cargo Rd	**GM CR 32**	1	50	50	0	$ 5,000	$ -	$ 5,000
16	Cargo Rd	**GM CR 35**	1	50	50	0	$ 5,000	$ -	$ 5,000
17	Casa Verde Rd	**GM CV 05**	1	50	50	0	$ 5,000	$ -	$ 5,000
18	Casa Verde Rd	**GM CV 07**	1	24	24	0	$ 2,400	$ -	$ 2,400
19	Casa Verde Rd	**GM CV 10**	1	24	24	0	$ 2,400	$ -	$ 2,400
20	Casa Verde Rd	**GM CV 15**	1	30	30	0	$ 3,000	$ -	$ 3,000
21	Tradeport Dr	**GM TP 01**	1	45	45	0	$ 4,500	$ -	$ 4,500
22	Tradeport Dr	**GM TP 05**	1	45	45	0	$ 4,500	$ -	$ 4,500
23	Tradeport Dr	**GM TP 10**	1	45	45	0	$ 4,500	$ -	$ 4,500
24	Tradeport Dr	**GM TP 15**	1	45	45	0	$ 4,500	$ -	$ 4,500
25	Tradeport Dr	**GM TP 20**	1	45	45	0	$ 4,500	$ -	$ 4,500
26	Tradeport Dr	**GM TP 25**	1	45	45	0	$ 4,500	$ -	$ 4,500
27	Tradeport Dr	**GM TP 30**	1	45	45	0	$ 4,500	$ -	$ 4,500
28	Tradeport Dr	**GM TP 35**	1	45	45	0	$ 4,500	$ -	$ 4,500
29	Tradeport Dr	**GM TP 40**	1	45	45	0	$ 4,500	$ -	$ 4,500
30	Tradeport Dr	**GM TP 45**	1	45	45	0	$ 4,500	$ -	$ 4,500
31	Tradeport Dr	**GM TP 50**	1	45	45	0	$ 4,500	$ -	$ 4,500
32	Tradeport Dr	**GM TP 55**	1	45	45	0	$ 4,500	$ -	$ 4,500
33	Tradeport Dr	**GM TP 60**	1	45	45	0	$ 4,500	$ -	$ 4,500
34	Tradeport Dr	**GM TP 65**	1	45	45	0	$ 4,500	$ -	$ 4,500
35	Tradeport Dr	**GM TP 70**	1	45	45	0	$ 4,500	$ -	$ 4,500
36	Bear Rd	**GM BR 01**	1	45	45	0	$ 4,500	$ -	$ 4,500
37	Bear Rd	**GM BR 05**	1	45	45	0	$ 4,500	$ -	$ 4,500
38	Bear Rd	**GM BR 10**	1	45	45	0	$ 4,500	$ -	$ 4,500
39	Bear Rd	**GM BR 15**	1	45	45	0	$ 4,500	$ -	$ 4,500
SIGNAGE			**40**	**1749**	**1749**	**0**	**$ 174,900**	**$ -**	**$ 174,900**
REMOVAL			**40**						**$ 20,000**
MOT			**40**						**$ 4,000**
BOND	**(2% BUDGET)**								**$ 39,600**
TOTAL									**$ 238,500**

100	**(New $/SF)**
75	**(Overlay $/SF)**
500	**Removal Location / EA**
100	**MOT Location / EA**

BULLETIN

PROJECT NO. & NAME:	G-00049, Repair and Replace Faded Roadway Signage – Tradeport Dr Bear Rd, Casa Verde Rd, & Cargo Rd (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:	4/28/26	
CONTRACTOR:	Baron International, LLC, dba, Baron Sign Manufacturing	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	The Corradino Group, Inc.	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative.** The Scope of work is to replace the ground mounted signs with new aluminum panels and associated vinyl and zee bar. Locations are as noted in attached scope definition documents on Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. 95% and 100% Design Submittals required for the roadway signage with respect to text and colors as noted in the scope definition documents attached. Note that is this project is split into two packages and design submittals should be structured accordingly. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.

	☐ Design E&O	Click or tap here to enter text.
	☐ Other	Click or tap here to enter text.

☒ **ATTACHMENTS INCLUDED:**

Discipline	Drawing No.	Revision Date	Revision Narrative
Wayfinding	Part 1	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Part 2	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Location Map-V2	03/06/2026	Location Map

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

G-00049

Ground Mounted Roadway Sign Updates PART 1 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	*DAN GIORDANO*
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

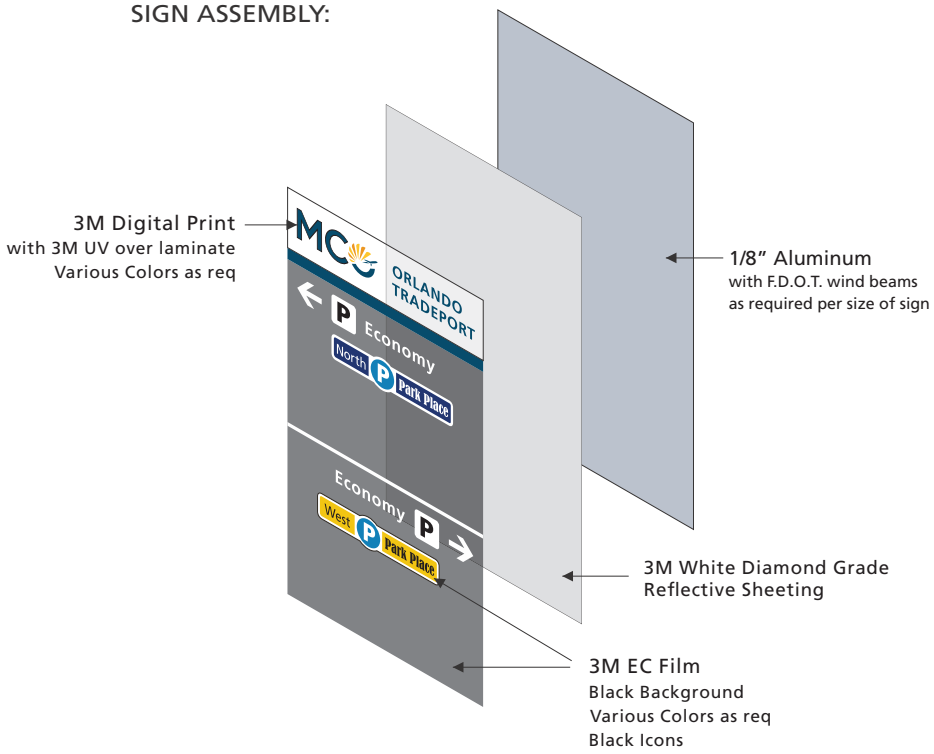
G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

01.01 - Cover
01.02 - Index & Sign Assembly
01.03 - Project Details
01.04 - Graphic Details
01.05 thru 01.42 - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

SIGN ASSEMBLY:



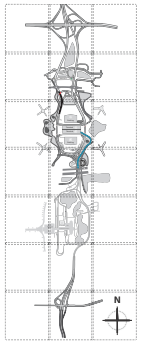
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.02

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

General Notes:
The awarded contractor shall be responsible for construction, including but not limited to, survey, design, and preparation of all documentation related to the acquisition of all permits. They shall coordinate all utility relocations, be responsible for construction, and maintenance of traffic during construction, requirements relative to project management, scheduling, and coordination with other agencies and entities such as state and local government, utilities and the public.

The contractor shall demonstrate good project management practices while working on this project. These include written communication with GOAA's OAR team and others as necessary, management of time and resources, and documentation.

The contractor shall secure and submit for conformance sign panel and sign shop drawings and calculations for each location. The shop drawings shall include the design of all related components and fasteners. The shop drawings shall be signed and sealed by a structural engineer licensed in the state of Florida.

The contractor shall provide this basis of design:
Aluminum sign panels and support beams per current FDOT index 11300.
Signs and sign structures are to have a wind load of 150 mph.

New sign panels that replace existing ones or new sign panels added to an existing structure shall use the vertical hanger supports.

All signs shall receive a panel designation and date decal on the back of panel in lower right corner of the sign using a highly reflective 3M material with UV over laminate. All structures shall receive their structure number designation 6 to 8 feet above grade on the back side of structure using a highly reflective 3M material with UV over laminate. The letters shall be 3.75" high black on a yellow background and shall be highly reflective.

Recycle all removed aluminum and provide credit back to GOAA.

Landscape and Finish work:
Awarded contractor shall return the surrounding area to pre-construction condition including grading, positive drainage away from structure, irrigation, utilities, and landscape.

Quality Control:
A GOAA representative shall review all panels for final approval at an on site staging area prior to installation.

Reference Publications:
1. State of Florida Department of Transportation Design Standards for Design, Construction, maintenance and utility operations, latest edition.
2. Manual on Uniform Traffic Control Devices, latest edition.
3. Standard Highway Sign Manual, latest edition.

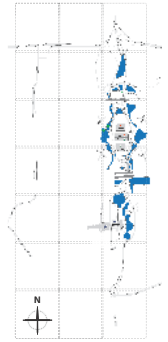
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Project Details

Drawing No.

01.03

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

COLORS:

3M 4090 Diamond Grade

3M 1179 EC Transparent Brown

3M 1178 EC Black

3M 1177 EC Transparent Green

3M 1175 EC Transparent Blue

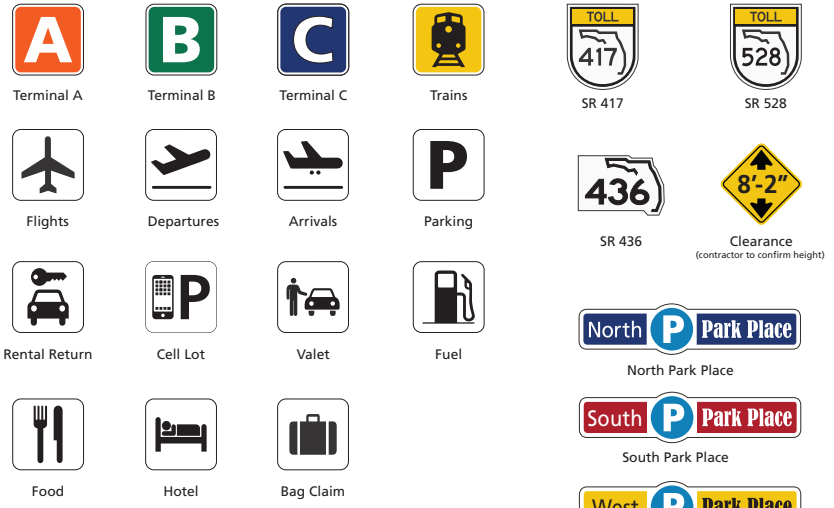
3M 1174 EC Transparent Orange

3M 1172 EC Transparent Red

3M 1171 EC Transparent Yellow

3M 7690 Translucent Digital Print Euro Blue
with UV Over Laminate

SYMBOLOGY:

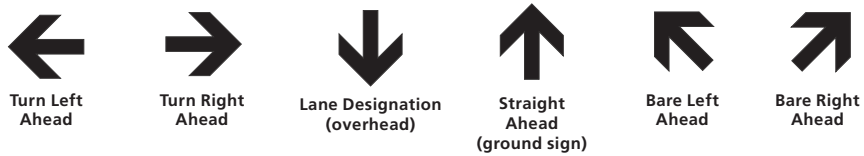


TYPOGRAPHY:

Frutiger 65 Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
;:'",.<>/?!@#$%^&*()-=+\|
1234567890

DIRECTIONAL ARROWS:



Turn Left Ahead

Turn Right Ahead

Lane Designation (overhead)

Straight Ahead (ground sign)

Bare Left Ahead

Bare Right Ahead

ORLANDO INTERNATIONAL AIRPORT LOGO (MCO):

3M Digital Print with 3M UV Overlam

Graphic Materials:
Materials placed on the panels shall be per above color chart using 3M DG 4090 series reflective sheeting and 3M electronic cuttable film 1170 series. Signs of like background color on the same structure are to use same roll of that color to insure a consistent shade of that color for that set of signs. Graphic materials to be applied to the aluminum panels, preferably by a certified 3M facility. Paint all exposed face of sign screw heads the color of the sign area where they land.

Provide physical mock up of a GM sign for GOAA approval prior to fabrication (scaled down to 2' tall).

Provide physical mock ups of each color on 4" x 4" x .125" aluminum for GOAA approval.

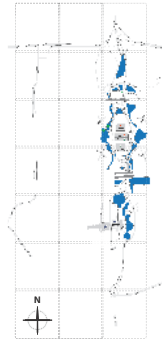
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Graphic Details

Drawing No.

01.04

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

1 Existing Elevation View (GM.TP.01)
Not to Scale

1 Concept Elevation View (GM.TP.01)
Not to Scale

1 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction and attachment details by contractor

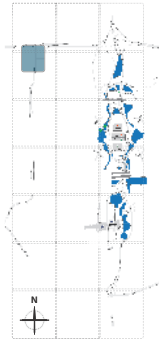
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

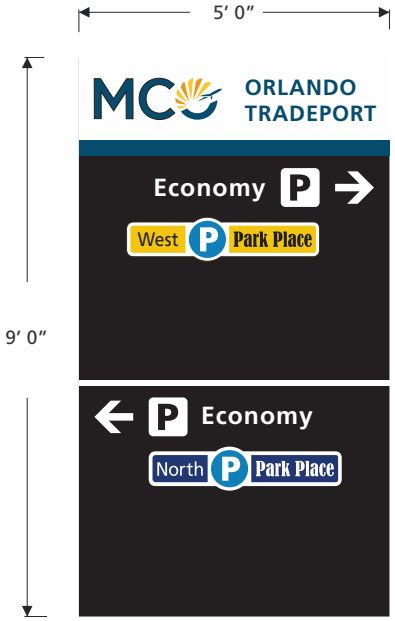
Drawing Title:

GM-TP-01

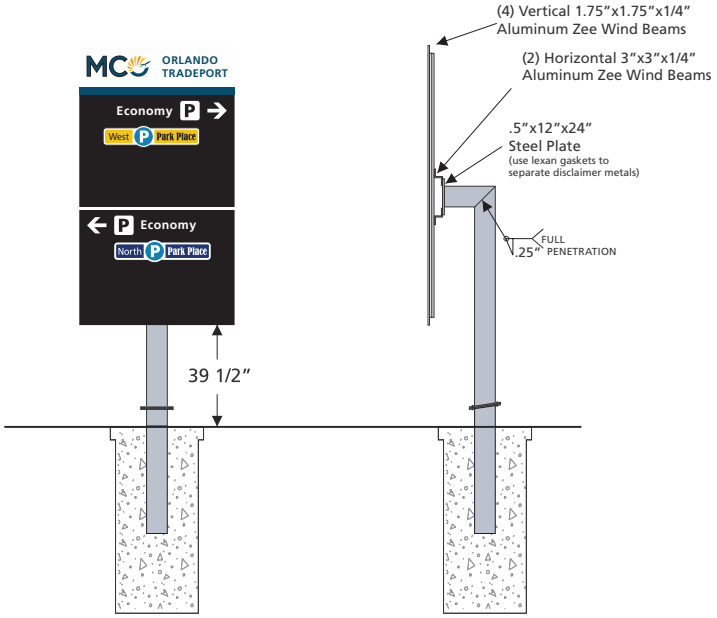
Drawing No.

01.05

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



1 New Layout View
Scale is 1/2″ = 1′



1 Front Elevation View
Scale is 1/4″ = 1′

1 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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100 E Pine St
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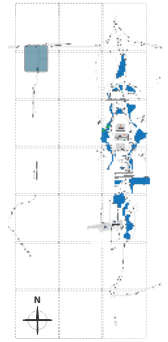
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-01

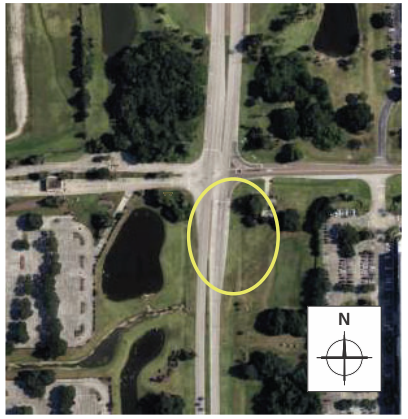
Drawing No.

01.06

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

2 Existing Elevation View (GM.TP.05)
Not to Scale

2 Concept Elevation View (GM.TP.05)
Not to Scale



2 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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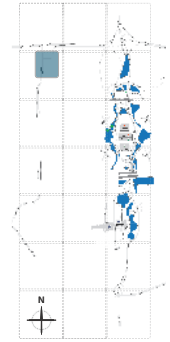
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

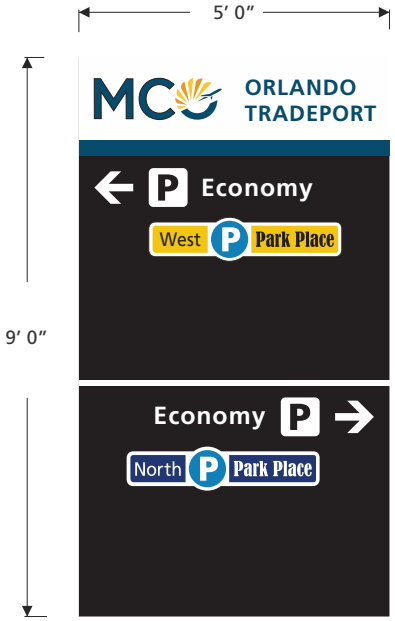
Drawing Title:

GM-TP-05

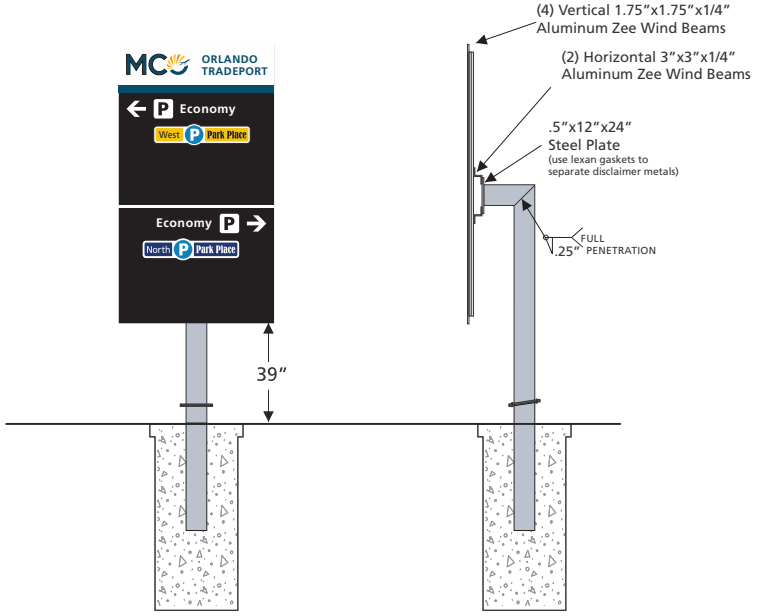
Drawing No.

01.07

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



2 New Layout View
Scale is 1/2″ = 1′



2 Front Elevation View
Scale is 1/4″ = 1′

2 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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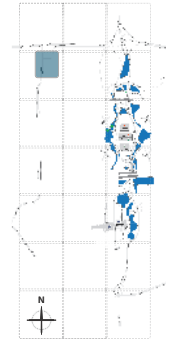


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-05

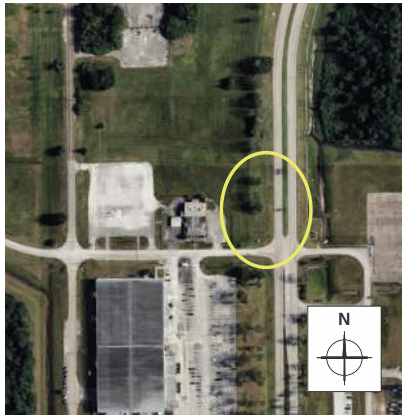
Drawing No.

01.08

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

3 Existing Elevation View (GM.TP.10)
Not to Scale

3 Concept Elevation View (GM.TP.10)
Not to Scale



3 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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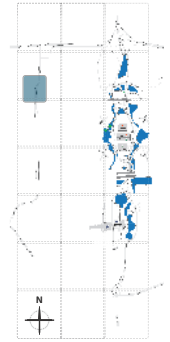


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

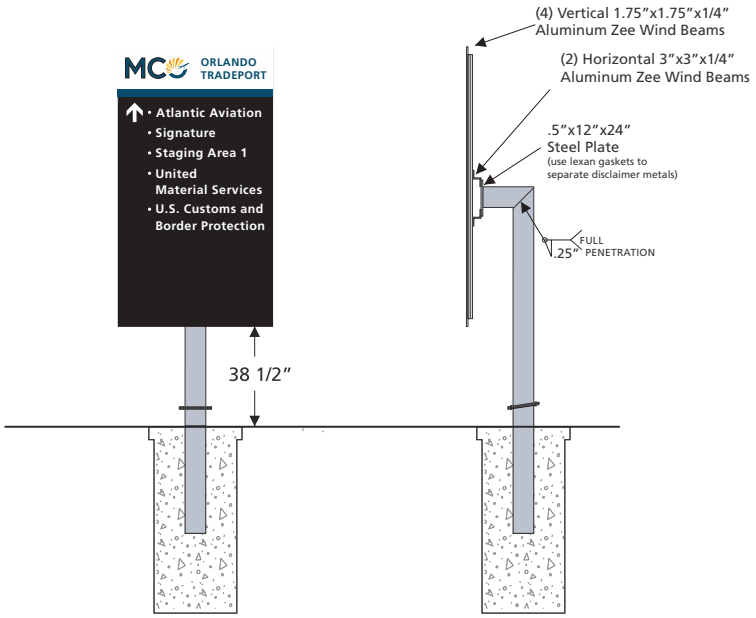
GM-TP-10

Drawing No.

01.09

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

3 New Layout View
Scale is 1/2″ = 1′



3 Front Elevation View
Scale is 1/4″ = 1′

3 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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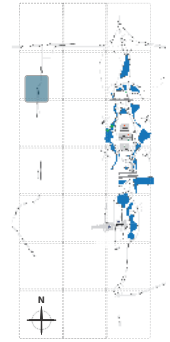


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

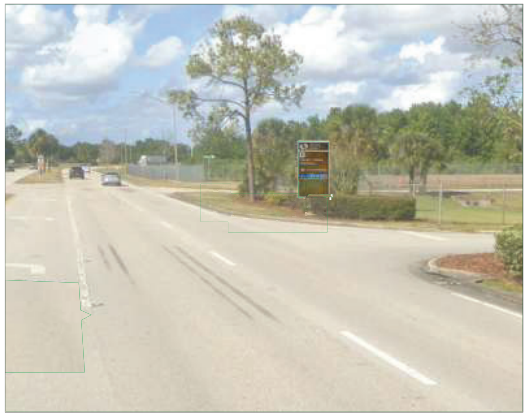
Drawing Title:

GM-TP-10

Drawing No.

01.10

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



4 Existing Elevation View (GM.TP.15)
Not to Scale

4 Concept Elevation View (GM.TP.15)
Not to Scale

4 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

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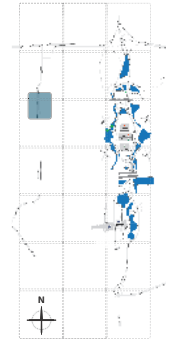


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

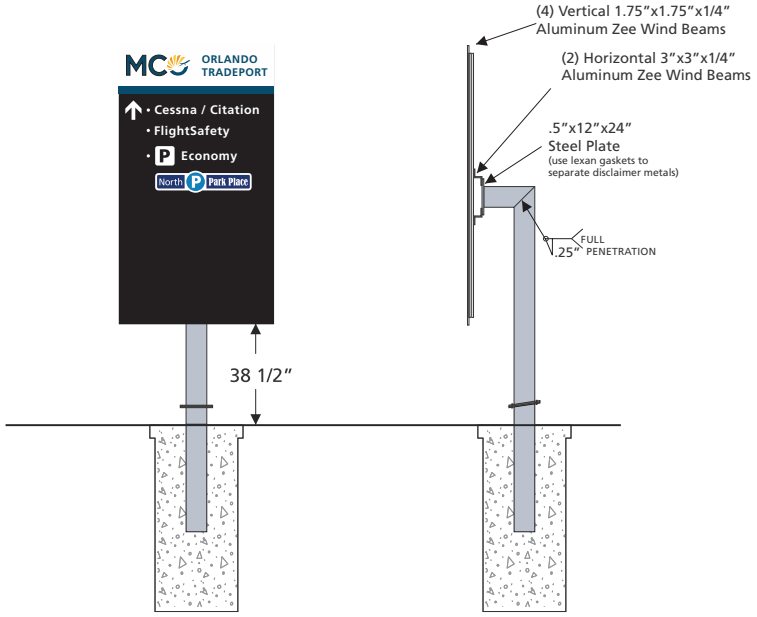
GM-TP-15

Drawing No.

01.11

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

4 New Layout View
Scale is 1/2″ = 1′



4 Front Elevation View
Scale is 1/4″ = 1′

4 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

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Ground Mounted Roadway Signage Updates

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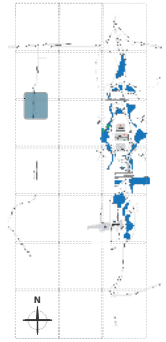


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-15

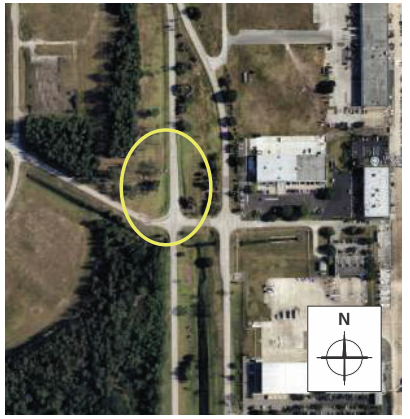
Drawing No.

01.12

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

5 Existing Elevation View (GM.TP.20)
Not to Scale

5 Concept Elevation View (GM.TP.20)
Not to Scale



5 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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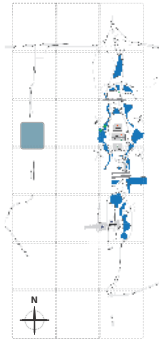
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

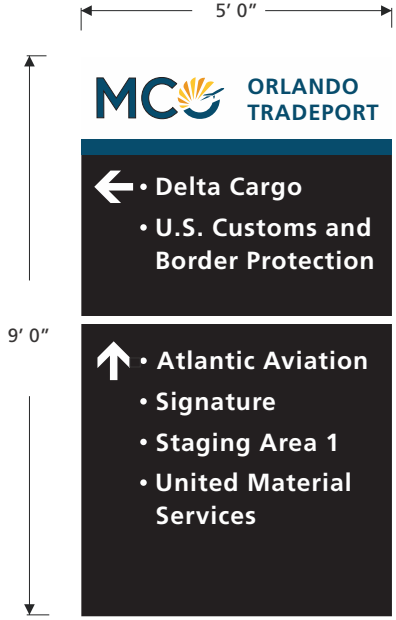
Drawing Title:

GM-TP-20

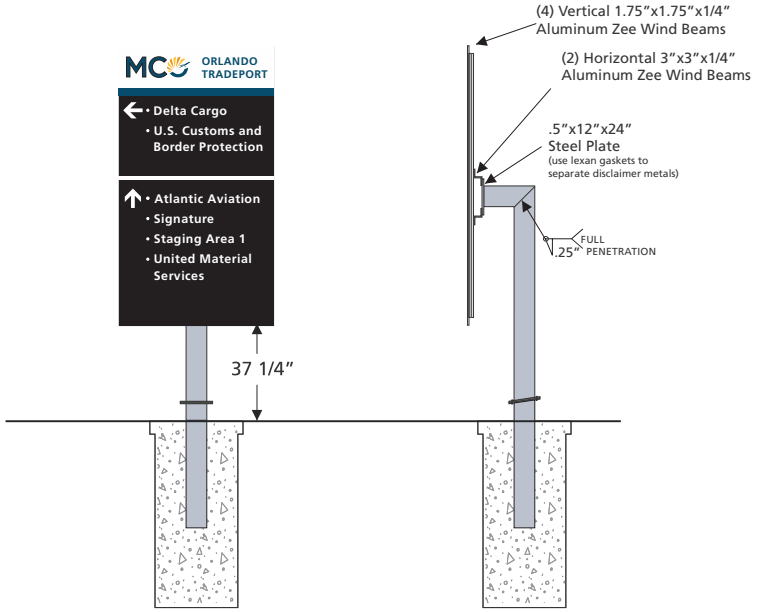
Drawing No.

01.13

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



5 New Layout View
Scale is 1/2″ = 1′



5 Front Elevation View
Scale is 1/4″ = 1′

5 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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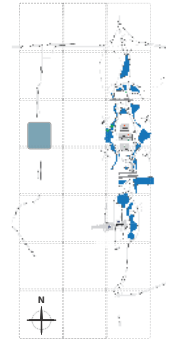
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

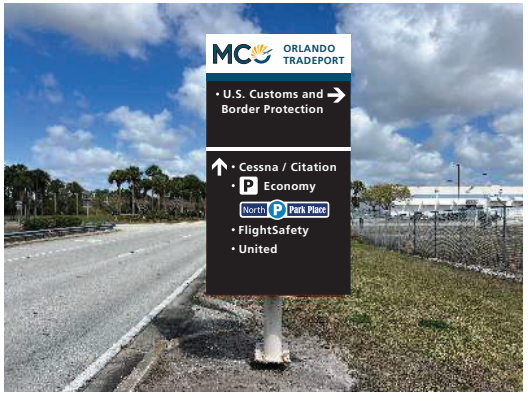
GM-TP-20

Drawing No.

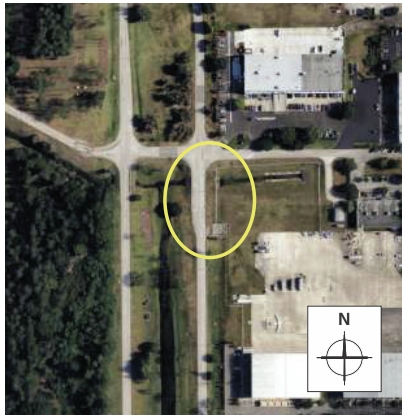
01.14

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

6 Existing Elevation View (GM.TP.25)
Not to Scale



6 Concept Elevation View (GM.TP.25)
Not to Scale



6 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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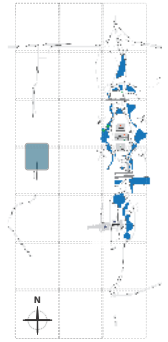
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

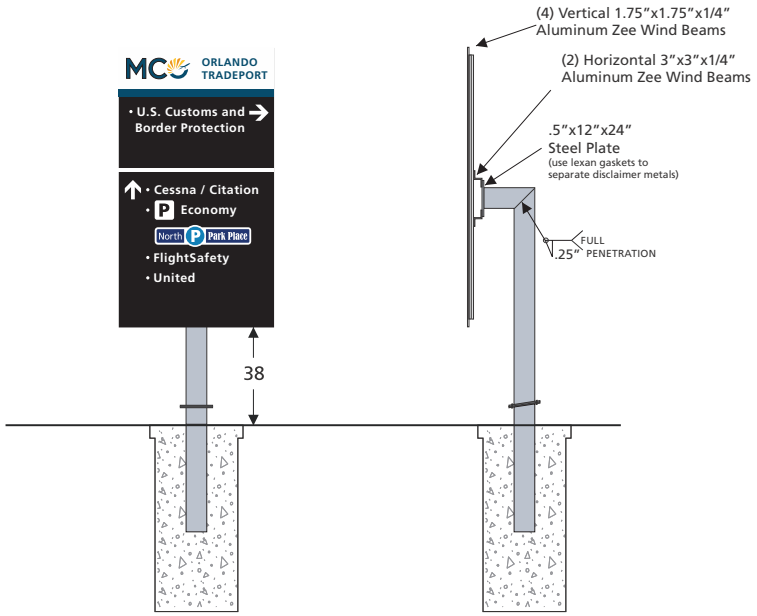
GM-TP-25

Drawing No.

01.15

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

6 New Layout View
Scale is 1/2″ = 1′



6 Front Elevation View
Scale is 1/4″ = 1′

6 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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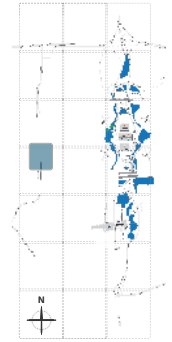

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-25

Drawing No.

01.16

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

7 Existing Elevation View (GM.TP.30)
Not to Scale

7 Concept Elevation View (GM.TP.30)
Not to Scale

7 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

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G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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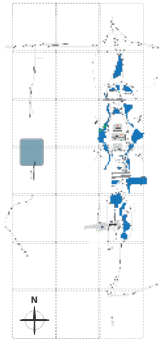
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

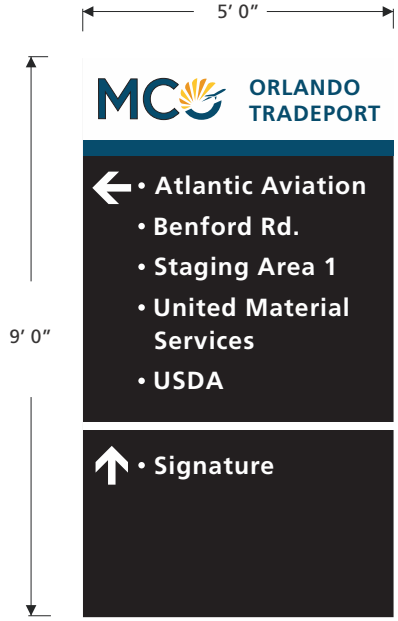
Drawing Title:

GM-TP-30

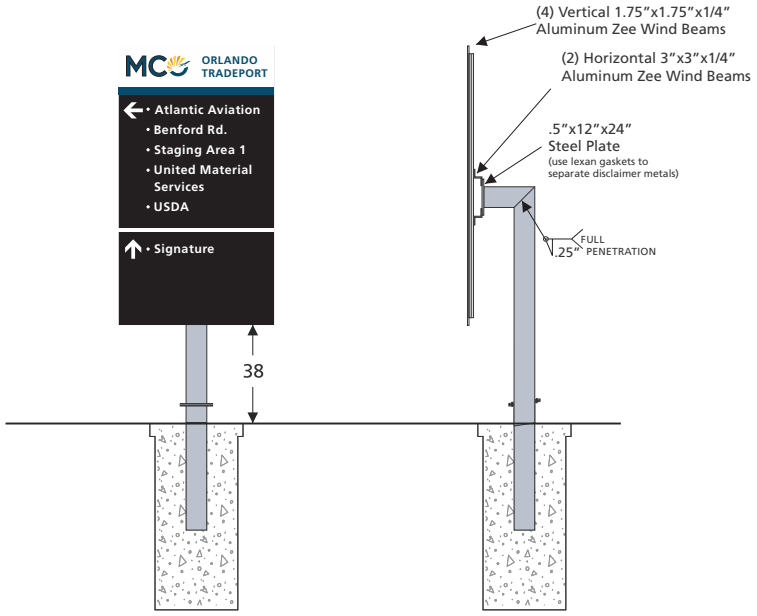
Drawing No.

01.17

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



7 New Layout View
Scale is 1/2″ = 1′



7 Front Elevation View
Scale is 1/4″ = 1′

7 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
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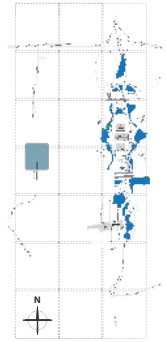


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-30

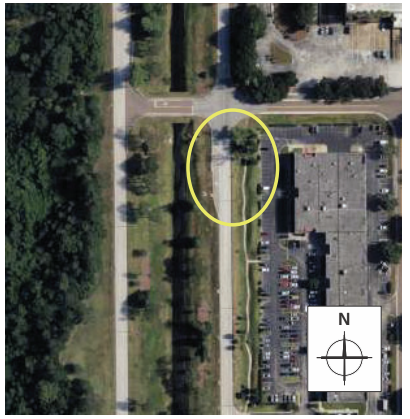
Drawing No.

01.18

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

8 Existing Elevation View (GM.TP.35)
Not to Scale

8 Concept Elevation View (GM.TP.35)
Not to Scale



8 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

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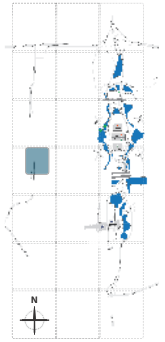
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

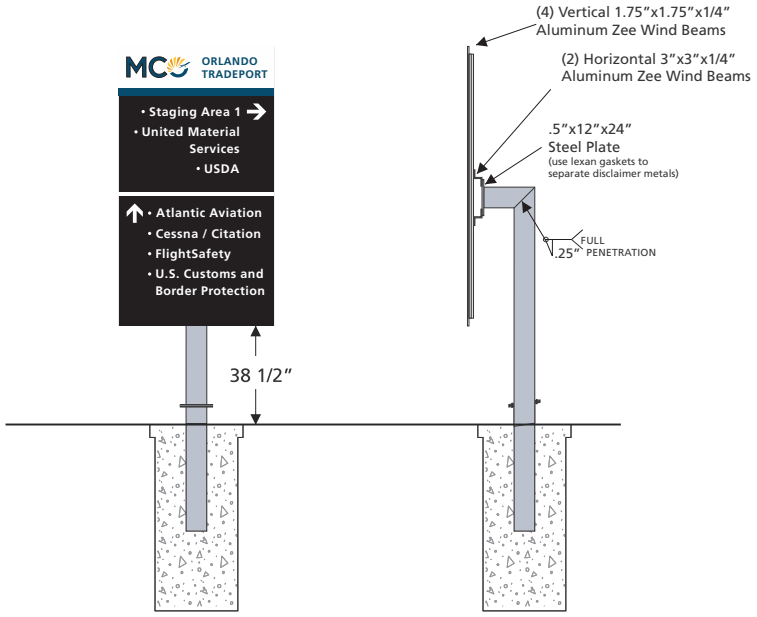
GM-TP-35

Drawing No.

01.19

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

8 New Layout View
Scale is 1/2″ = 1′



8 Front Elevation View
Scale is 1/4″ = 1′

8 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

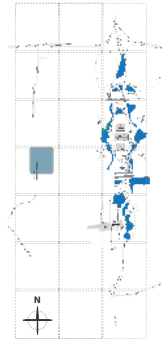
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-35

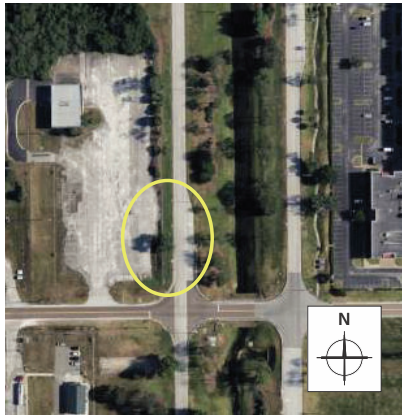
Drawing No.

01.20

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

9 Existing Elevation View (GM.TP.40)
Not to Scale

9 Concept Elevation View (GM.TP.40)
Not to Scale



9 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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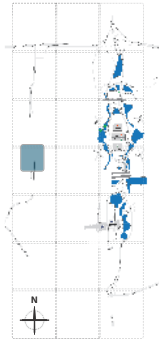
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

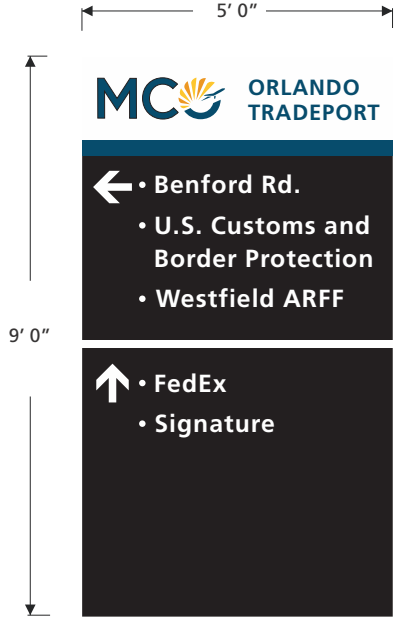
Drawing Title:

GM-TP-40

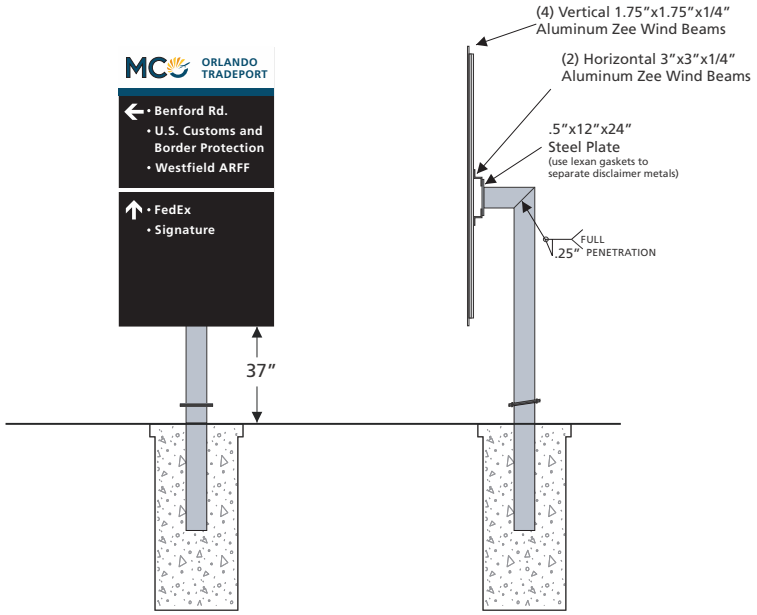
Drawing No.

01.21

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



9 New Layout View
Scale is 1/2″ = 1′



9 Front Elevation View
Scale is 1/4″ = 1′

9 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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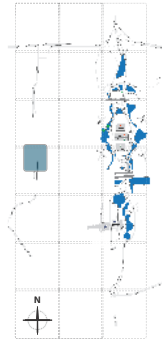
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-40

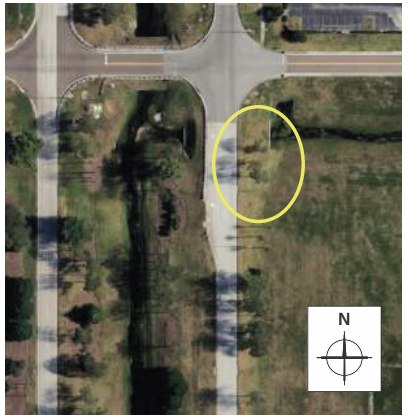
Drawing No.

01.22

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

10 Existing Elevation View (GM.TP.45)
Not to Scale

10 Concept Elevation View (GM.TP.45)
Not to Scale



10 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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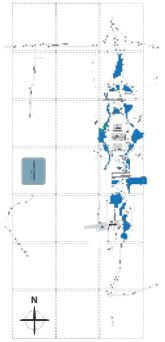
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

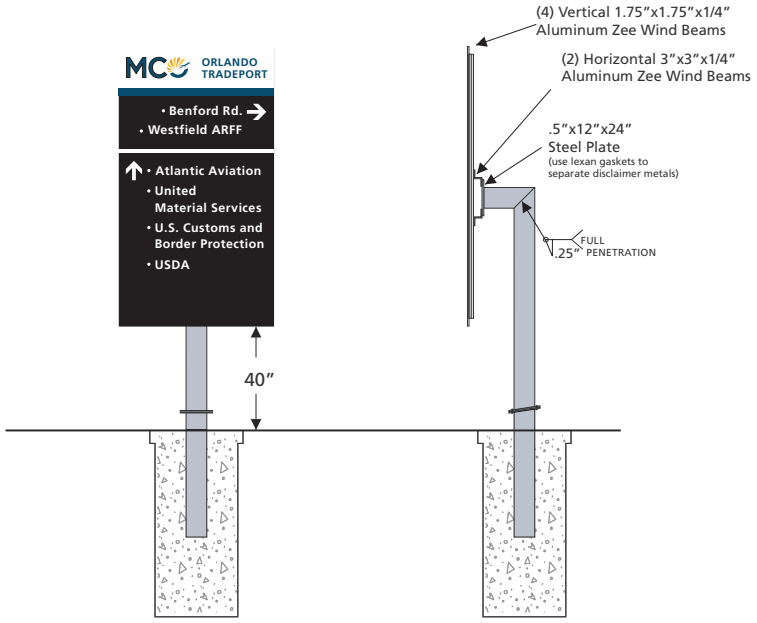
GM-TP-45

Drawing No.

01.23

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

10 New Layout View
Scale is 1/2″ = 1′



10 Front Elevation View
Scale is 1/4″ = 1′

10 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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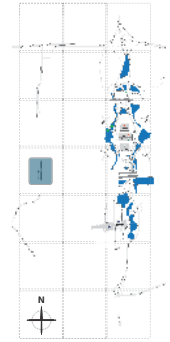
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-45

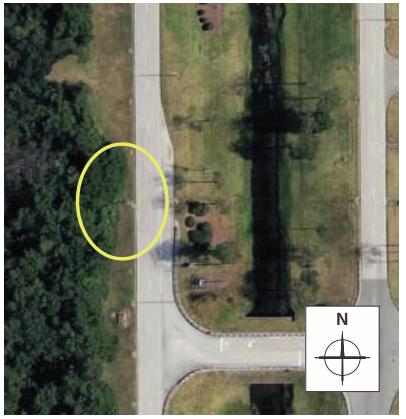
Drawing No.

01.24

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

11 Existing Elevation View (GM.TP.50)
Not to Scale

11 Concept Elevation View (GM.TP.50)
Not to Scale



11 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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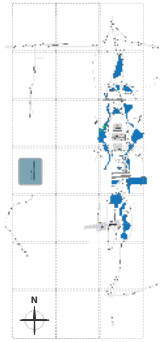
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

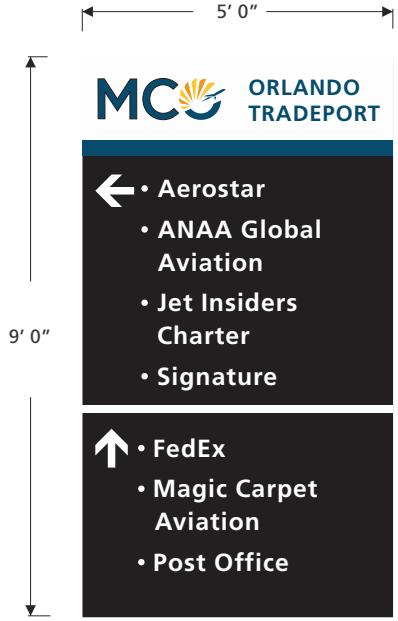
Drawing Title:

GM-TP-50

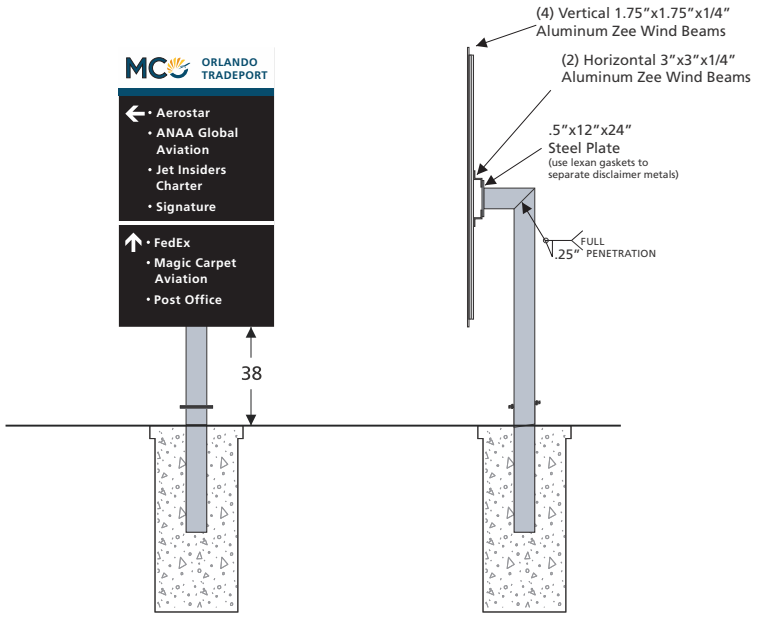
Drawing No.

01.25

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



11 New Layout View
Scale is 1/2″ = 1′



11 Front Elevation View
Scale is 1/4″ = 1′

11 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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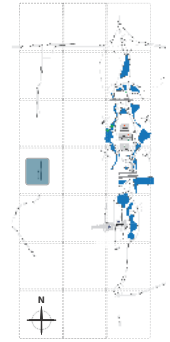
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-50

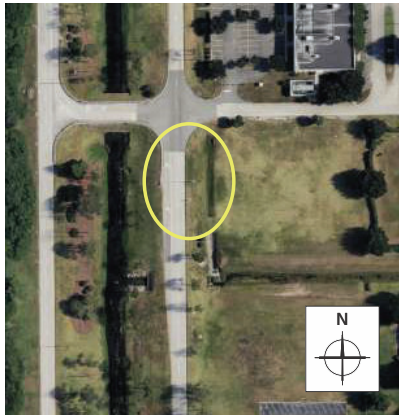
Drawing No.

01.26

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

12 Existing Elevation View (GM.TP.55)
Not to Scale

12 Concept Elevation View (GM.TP.55)
Not to Scale



12 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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Orlando, FL 32801
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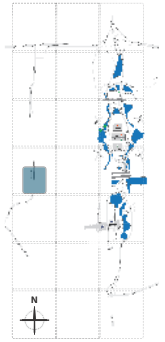
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

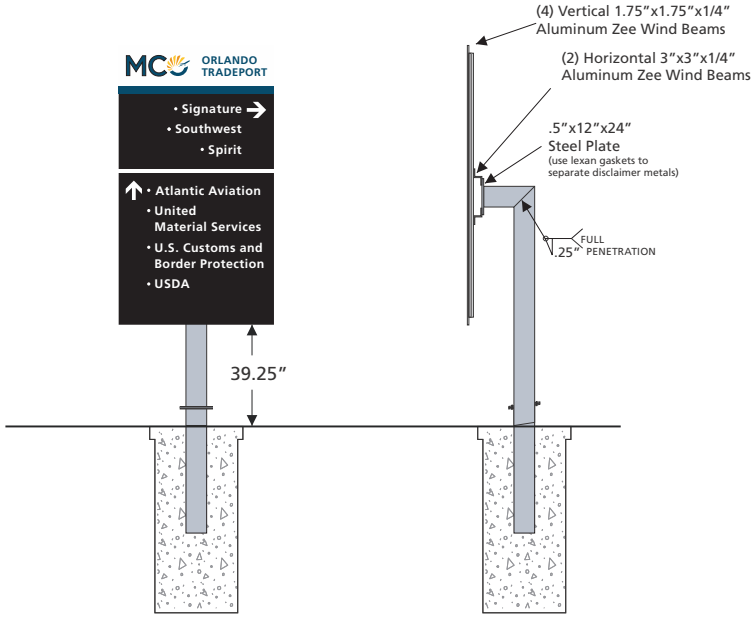
GM-TP-55

Drawing No.

01.27

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

12 New Layout View
Scale is 1/2″ = 1′



12 Front Elevation View
Scale is 1/4″ = 1′

12 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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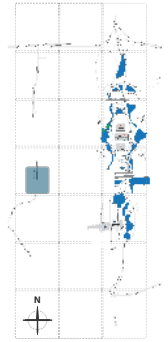
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

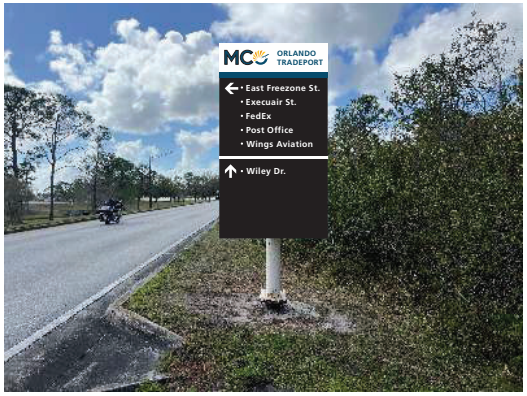
GM-TP-55

Drawing No.

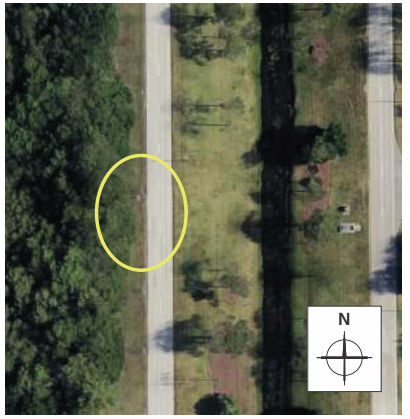
01.28

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

13 Existing Elevation View (GM.TP.60)
Not to Scale



13 Concept Elevation View (GM.TP.60)
Not to Scale



13 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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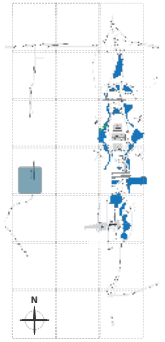
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

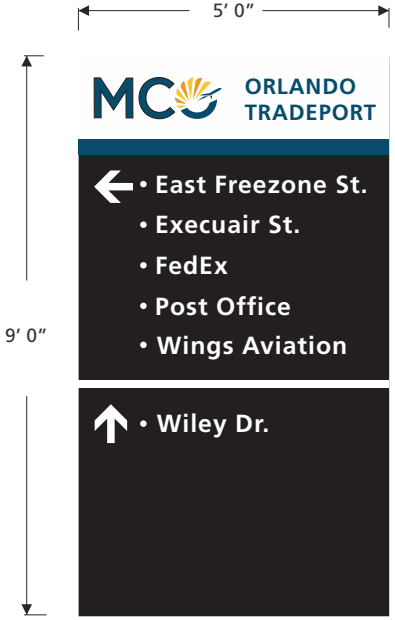
Drawing Title:

GM-TP-60

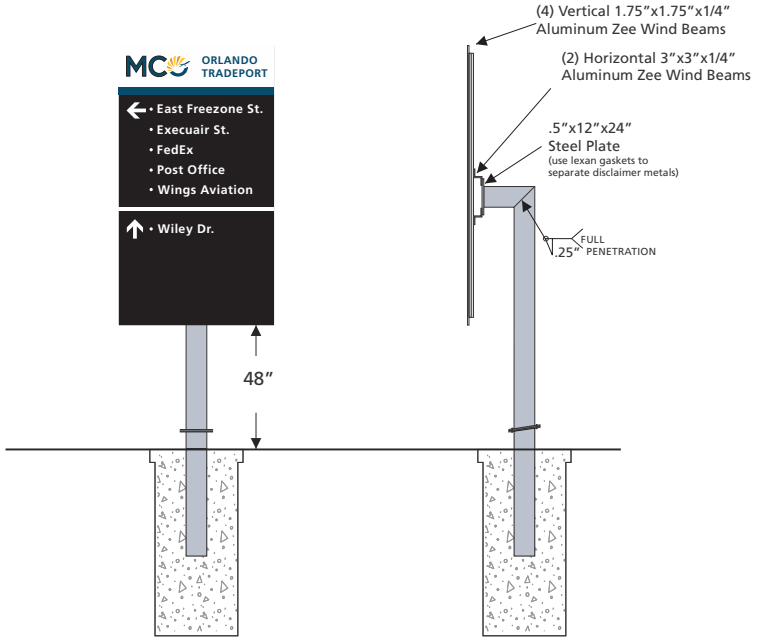
Drawing No.

01.29

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



13 New Layout View
Scale is 1/2″ = 1′



13 Front Elevation View
Scale is 1/4″ = 1′

13 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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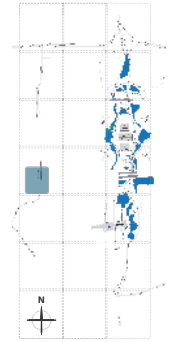
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-60

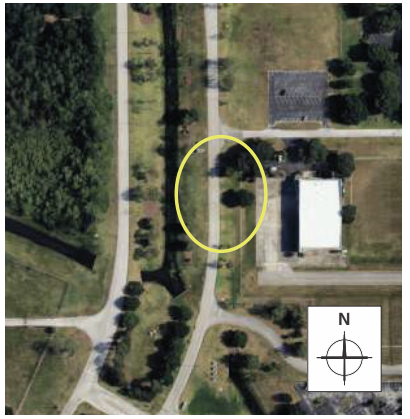
Drawing No.

01.30

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

14 Existing Elevation View (GM.TP.65)
Not to Scale

14 Concept Elevation View (GM.TP.65)
Not to Scale



14 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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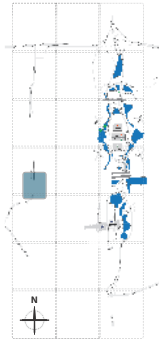
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

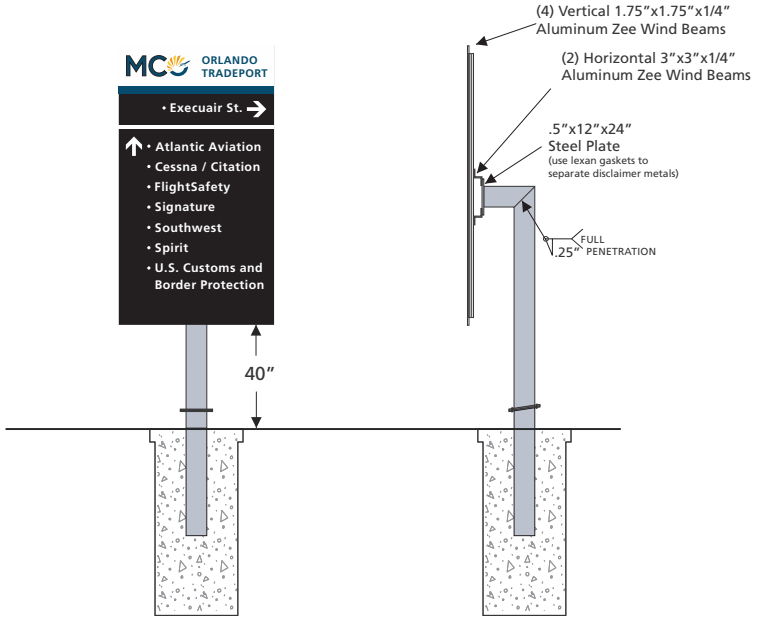
GM-TP-65

Drawing No.

01.31

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

14 New Layout View
Scale is 1/2″ = 1′



14 Front Elevation View
Scale is 1/4″ = 1′

14 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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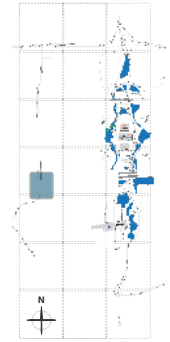
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-65

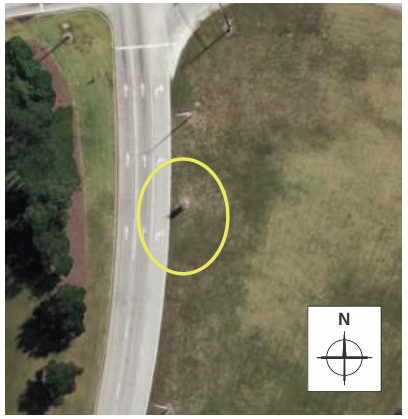
Drawing No.

01.32

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

15 Existing Elevation View (GM.TP.70)
Not to Scale

15 Concept Elevation View (GM.TP.70)
Not to Scale



15 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

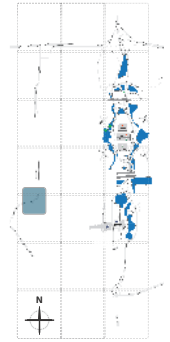
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

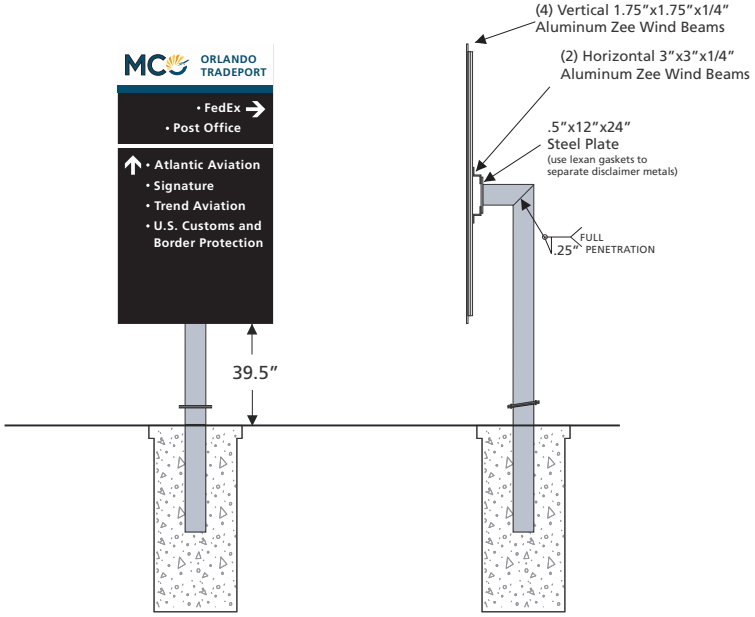
GM-TP-70

Drawing No.

01.33

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

15 New Layout View
Scale is 1/2″ = 1′



15 Front Elevation View
Scale is 1/4″ = 1′

15 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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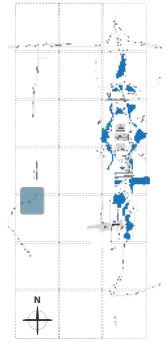


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-70

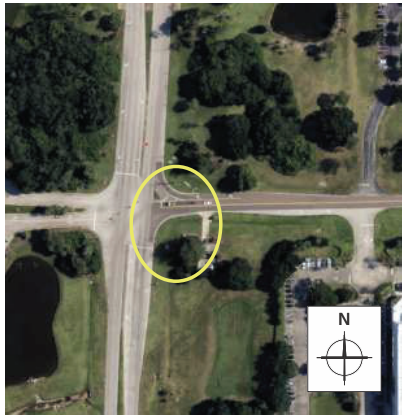
Drawing No.

01.34

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

16 Existing Elevation View (GM.BR.01)
Not to Scale

16 Concept Elevation View (GM.BR.01)
Not to Scale



16 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

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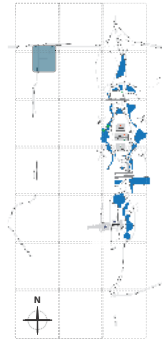


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

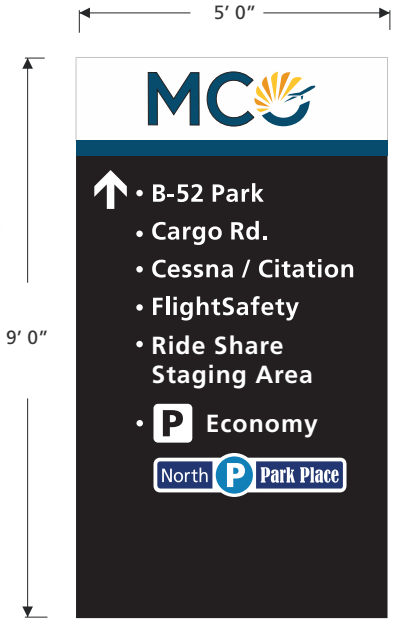
Drawing Title:

GM-BR-01

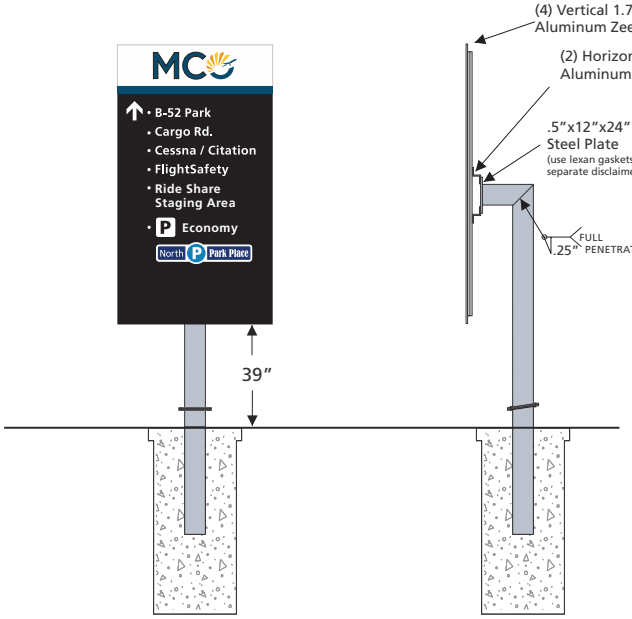
Drawing No.

01.35

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



16 New Layout View
Scale is 1/2″ = 1′



16 Front Elevation View
Scale is 1/4″ = 1′

16 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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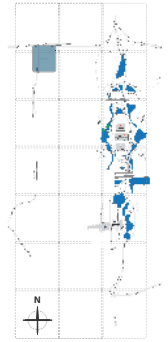


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

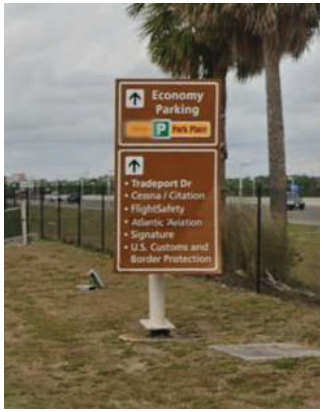
Drawing Title:

GM-BR-01

Drawing No.

01.36

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



17 Existing Elevation View (GM.BR.05)
Not to Scale

17 Concept Elevation View (GM.BR.05)
Not to Scale

17 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

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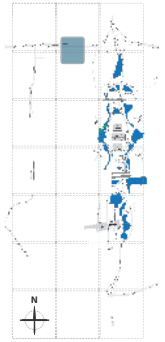


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

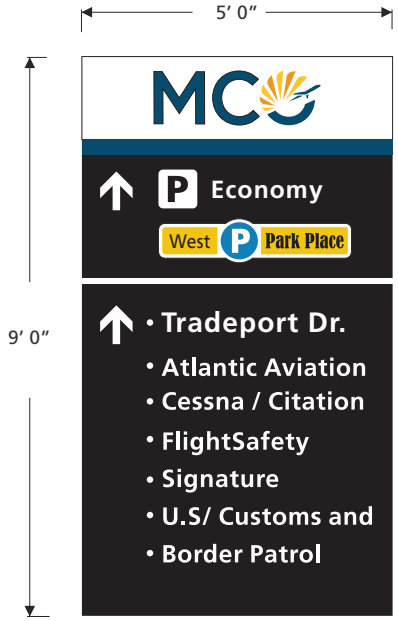
Drawing Title:

GM-BR-05

Drawing No.

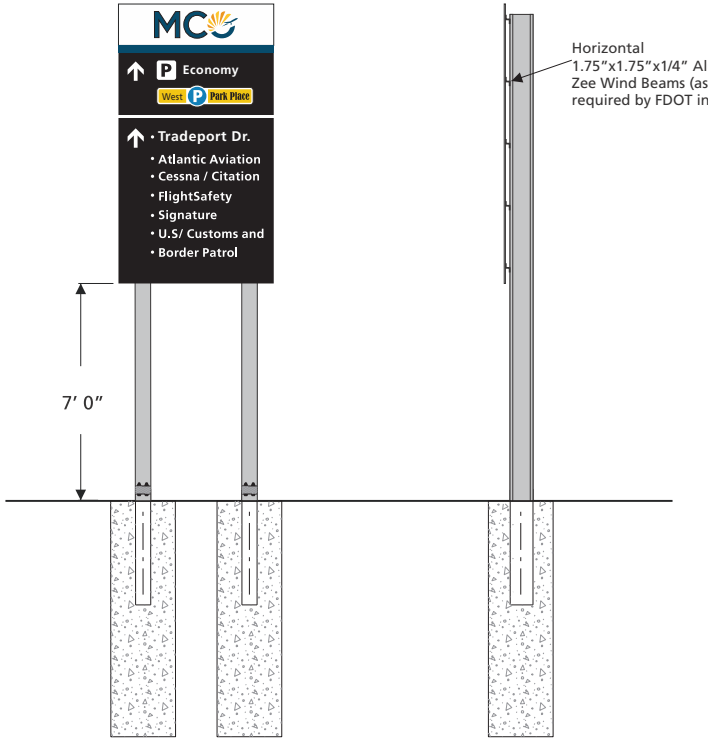
01.37

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



17 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



17 Front Elevation View
Scale is 1/4″ = 1′

17 Side Elevation View
Scale is 1/4″ = 1′

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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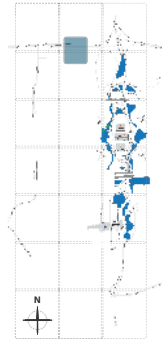

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-05

Drawing No.

01.38

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

18 Existing Elevation View (GM.BR.10)
Not to Scale

18 Concept Elevation View (GM.BR.10)
Not to Scale

18 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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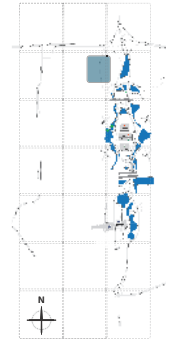


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

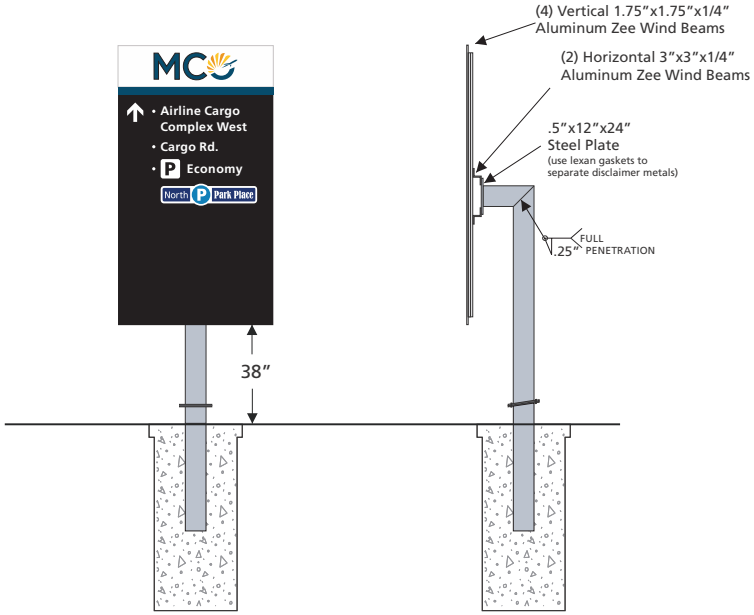
GM-BR-10

Drawing No.

01.39

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

18 New Layout View
Scale is 1/2″ = 1′



18 Front Elevation View
Scale is 1/4″ = 1′

18 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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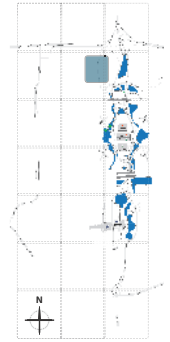


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

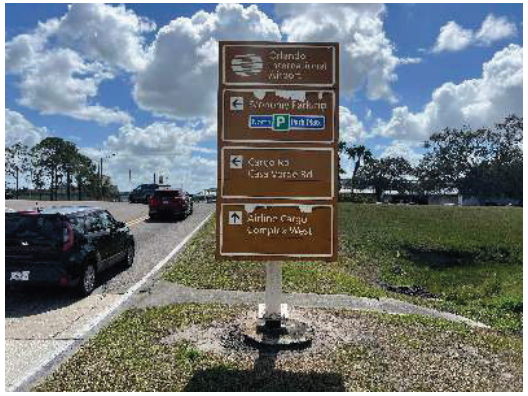
Drawing Title:

GM-BR-10

Drawing No.

01.40

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



19 Existing Elevation View (GM.BR.15)
Not to Scale

19 Concept Elevation View (GM.BR.15)
Not to Scale

19 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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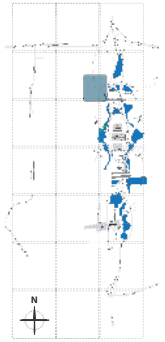


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

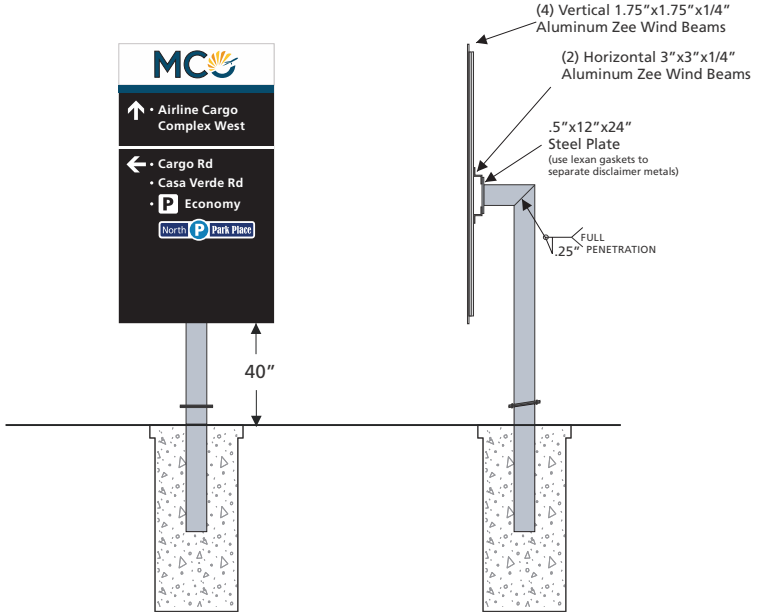
GM-BR-15

Drawing No.

01.41

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

19 New Layout View
Scale is 1/2″ = 1′



19 Front Elevation View
Scale is 1/4″ = 1′

19 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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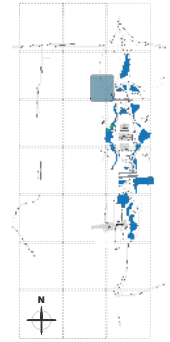


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-15

Drawing No.

01.42

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

G-00049

Ground Mounted Roadway Sign Updates PART 2 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

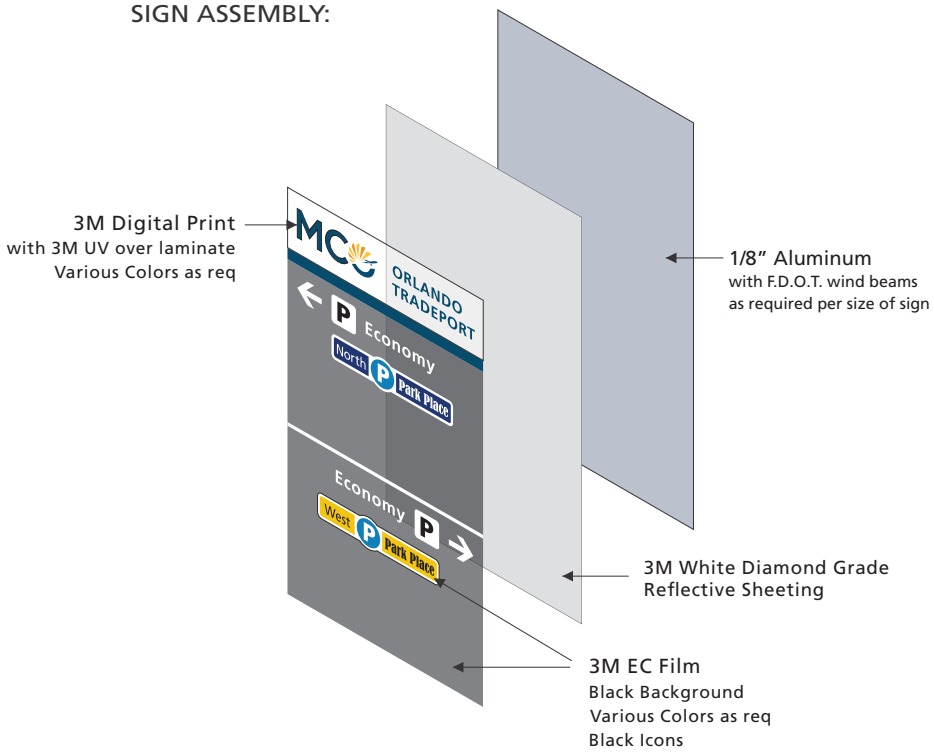
GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

01.43 - Cover
01.44 - Index & Sign Assembly
01.45 - Project Details
01.46 - Graphic Details
01.47 thru 01.XX - Individual Sign Details

02.00 - Location Map (in separate document)

SIGN ASSEMBLY:



GM = Ground Mounted Sign

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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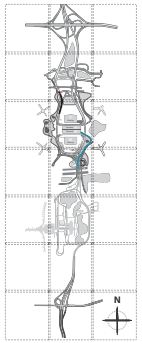

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.44

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

General Notes:
The awarded contractor shall be responsible for construction, including but not limited to, survey, design, and preparation of all documentation related to the acquisition of all permits. They shall coordinate all utility relocations, be responsible for construction, and maintenance of traffic during construction, requirements relative to project management, scheduling, and coordination with other agencies and entities such as state and local government, utilities and the public.

The contractor shall demonstrate good project management practices while working on this project. These include written communication with GOAA's OAR team and others as necessary, management of time and resources, and documentation.

The contractor shall secure and submit for conformance sign panel and sign shop drawings and calculations for each location. The shop drawings shall include the design of all related components and fasteners. The shop drawings shall be signed and sealed by a structural engineer licensed in the state of Florida.

The contractor shall provide this basis of design:
Aluminum sign panels and support beams per current FDOT index 11300.
Signs and sign structures are to have a wind load of 150 mph.

New sign panels that replace existing ones or new sign panels added to an existing structure shall use the vertical hanger supports.

All signs shall receive a panel designation and date decal on the back of panel in lower right corner of the sign using a highly reflective 3M material with UV over laminate. All structures shall receive their structure number designation 6 to 8 feet above grade on the back side of structure using a highly reflective 3M material with UV over laminate. The letters shall be 3.75" high black on a yellow background and shall be highly reflective.

Recycle all removed aluminum and provide credit back to GOAA.

Landscape and Finish work:
Awarded contractor shall return the surrounding area to pre-construction condition including grading, positive drainage away from structure, irrigation, utilities, and landscape.

Quality Control:
A GOAA representative shall review all panels for final approval at an on site staging area prior to installation.

Reference Publications:
1. State of Florida Department of Transportation Design Standards for Design, Construction, maintenance and utility operations, latest edition.
2. Manual on Uniform Traffic Control Devices, latest edition.
3. Standard Highway Sign Manual, latest edition.

Orlando International Airport

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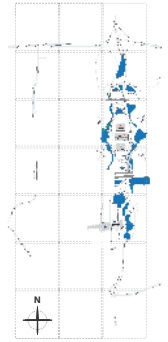

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Project Details

Drawing No.

01.45

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

COLORS:

3M 4090 Diamond Grade

3M 1179 EC Transparent Brown

3M 1178 EC Black

3M 1177 EC Transparent Green

3M 1175 EC Transparent Blue

3M 1174 EC Transparent Orange

3M 1172 EC Transparent Red

3M 1171 EC Transparent Yellow

3M 7690 Translucent Digital Print Euro Blue
with UV Over Laminate

SYMBOLOGY:

Terminal A

Terminal B

Terminal C

Trains

SR 417

SR 528

Flights

Departures

Arrivals

Parking

SR 436

Clearance
(contractor to confirm height)

Rental Return

Cell Lot

Valet

Fuel

North Park Place

South Park Place

West Park Place

Food

Hotel

Bag Claim

TYPOGRAPHY:

Frutiger 65 Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
;:'",.<>/?!@#$%^&*()-=+\|
1234567890

DIRECTIONAL ARROWS:

Turn Left Ahead

Turn Right Ahead

Lane Designation (overhead)

Straight Ahead (ground sign)

Bare Left Ahead

Bare Right Ahead

ORLANDO INTERNATIONAL AIRPORT LOGO (MCO):

PMS 2012C / 130U
CMYK - 0.45.100.0

PMS 136C / 135U
CMYK - 0.28.87.0

PMS 3025C / 308U
CMYK - 100.27.10.56

3M Digital Print with 3M UV Overlam

Graphic Materials:
Materials placed on the panels shall be per above color chart using 3M DG 4090 series reflective sheeting and 3M electronic cuttable film 1170 series. Signs of like background color on the same structure are to use same roll of that color to insure a consistent shade of that color for that set of signs. Graphic materials to be applied to the aluminum panels, preferably by a certified 3M facility. Paint all exposed face of sign screw heads the color of the sign area where they land.

Provide physical mock up of a GM sign for GOAA approval prior to fabrication (scaled down to 2' tall).

Provide physical mock ups of each color on 4" x 4" x .125" aluminum for GOAA approval.

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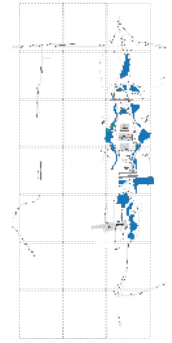
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
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Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Graphic Details

Drawing No.

01.46

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

20 Existing Elevation View (GM.CR.01)
Not to Scale

20 Concept Elevation View (GM.CR.01)
Not to Scale

20 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

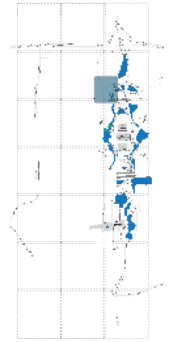
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

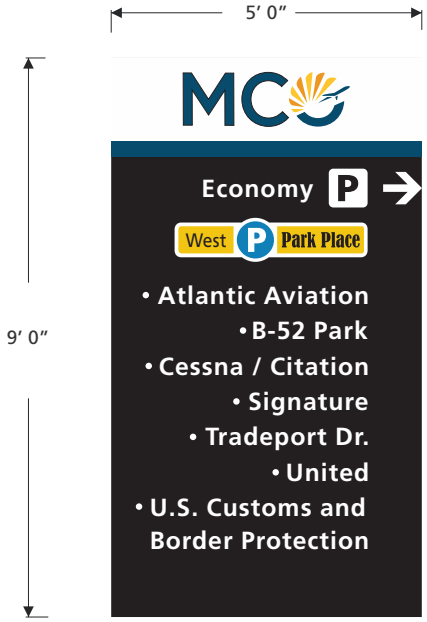
Drawing Title:

GM-CR-01

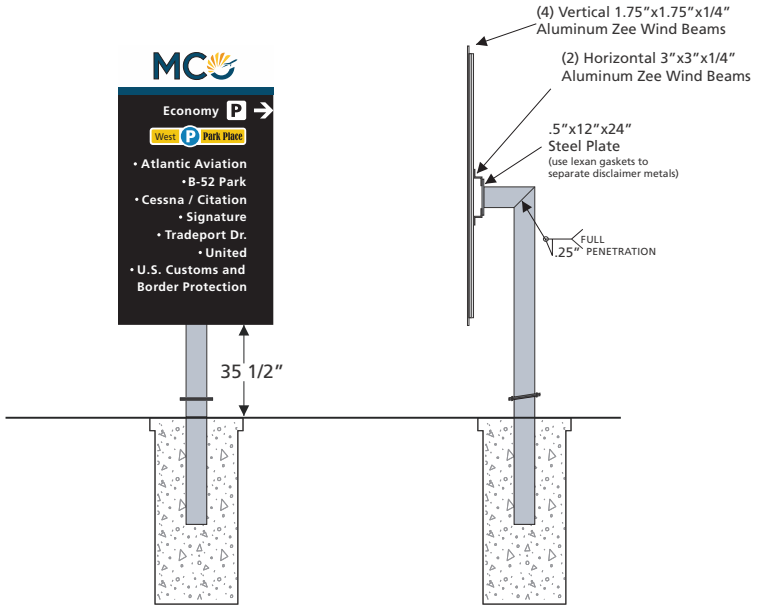
Drawing No.

01.47

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



20 New Layout View
Scale is 1/2″ = 1′



20 Install View
Scale is 1/4″ = 1′

20 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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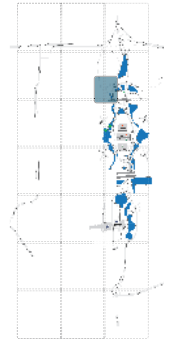
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-01

Drawing No.

01.48

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

21 Existing Elevation View (GM.CR.05)
Not to Scale

21 Concept Elevation View (GM.CR.05)
Not to Scale

21 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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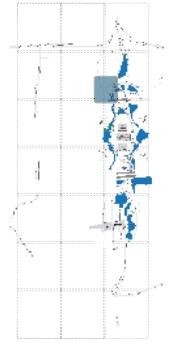
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

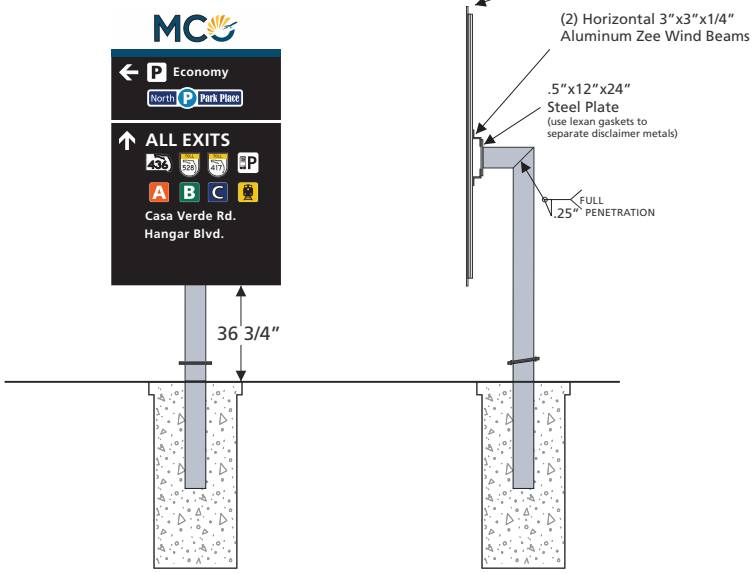
GM-CR-05

Drawing No.

01.49

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

21 New Layout View
Scale is 1/2″ = 1′



21 Install View
Scale is 1/4″ = 1′

21 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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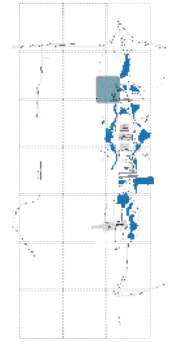
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-05

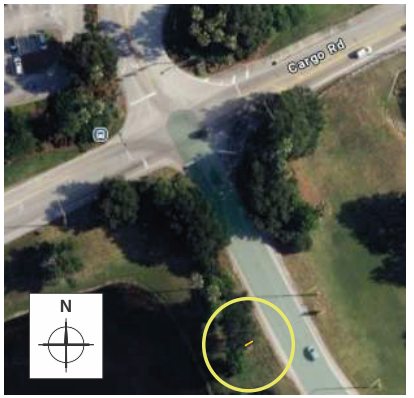
Drawing No.

01.50

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

22 Existing Elevation View (GM.CR.06)
Not to Scale

22 Concept Elevation View (GM.CR.06)
Not to Scale



22 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

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Ground Mounted Roadway Signage Upgrades

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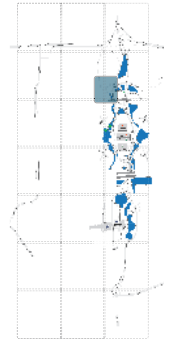
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

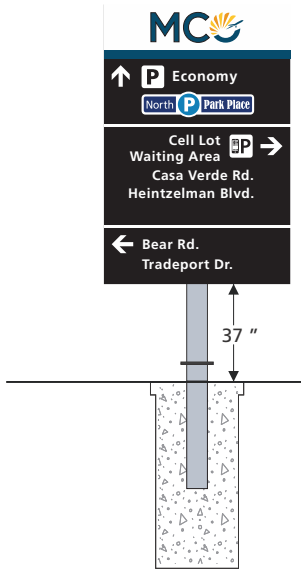
GM-CR-06

Drawing No.

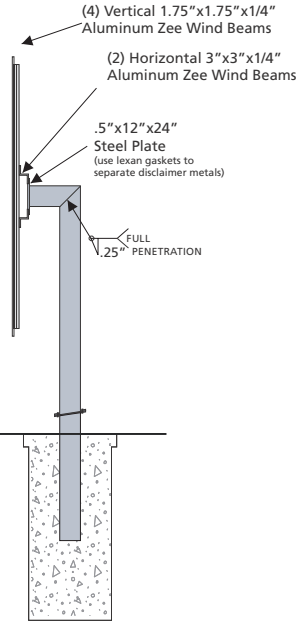
01.51

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

22 New Layout View
Scale is 1/2″ = 1′



22 Install View
Scale is 1/4″ = 1′



22 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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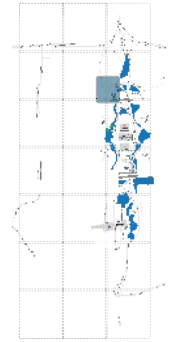
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

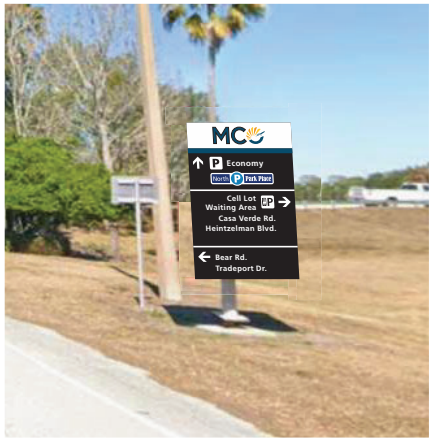
GM-CR-06

Drawing No.

01.52

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

23 Existing Elevation View (GM.CR.07)
Not to Scale



23 Concept Elevation View (GM.CR.07)
Not to Scale

23 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
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Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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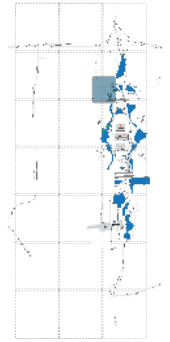


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

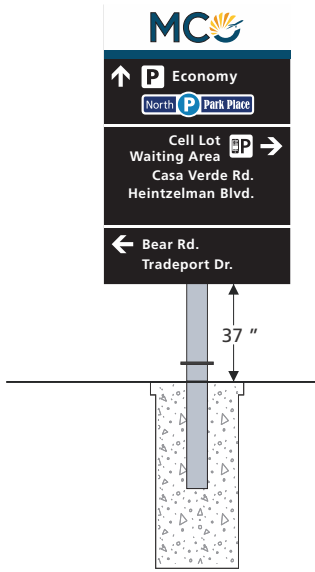
GM-CR-07

Drawing No.

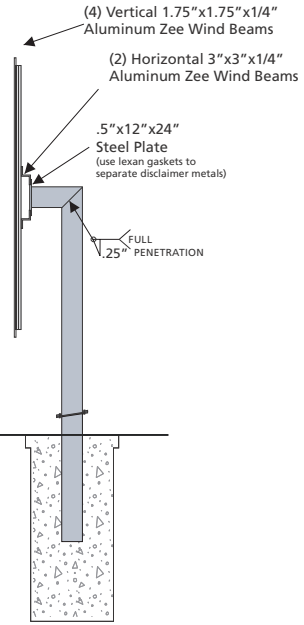
01.53

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

23 New Layout View
Scale is 1/2″ = 1′



23 Install View
Scale is 1/4″ = 1′



23 Side View
Scale is 1/4″ = 1′

Need pics

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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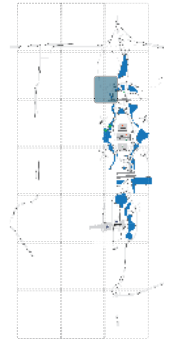
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-07

Drawing No.

01.54

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

24 Existing Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (2) new signS.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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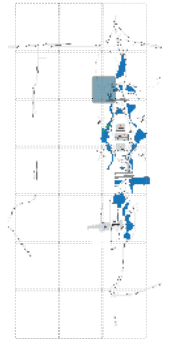
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-01

Drawing No.

01.55

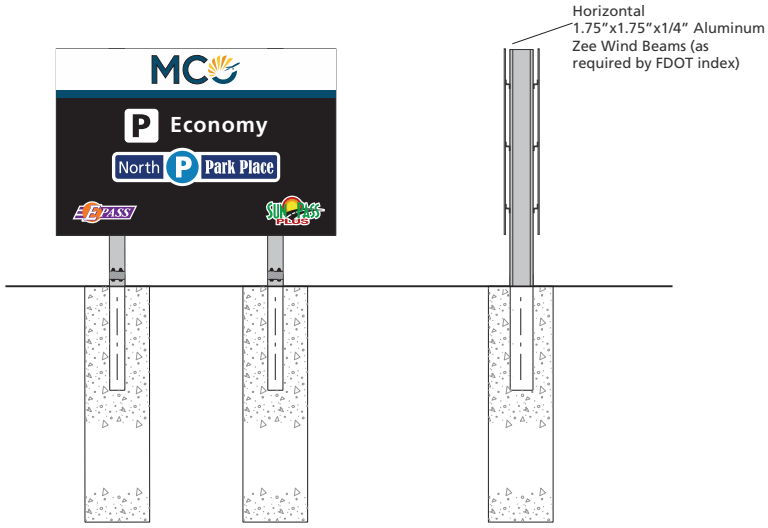
G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

23 New Layout View
Scale is 1/2″ = 1′

SIDE A

SIDE B

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



24 Front Elevation View
Scale is 1/4″ = 1′

24 Side Elevation View
Scale is 1/4″ = 1′

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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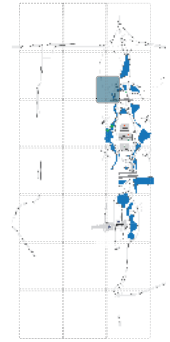
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

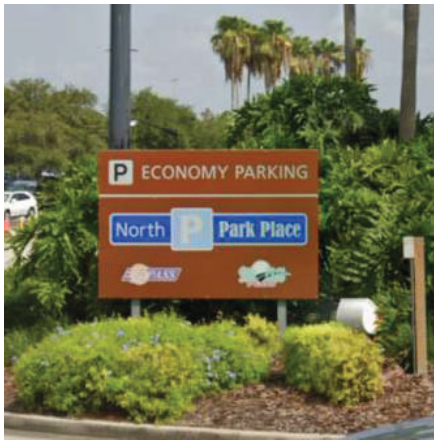
Drawing Title:

GM-CR-P-01

Drawing No.

01.56

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



25 Existing Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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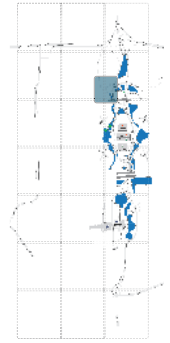
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-05

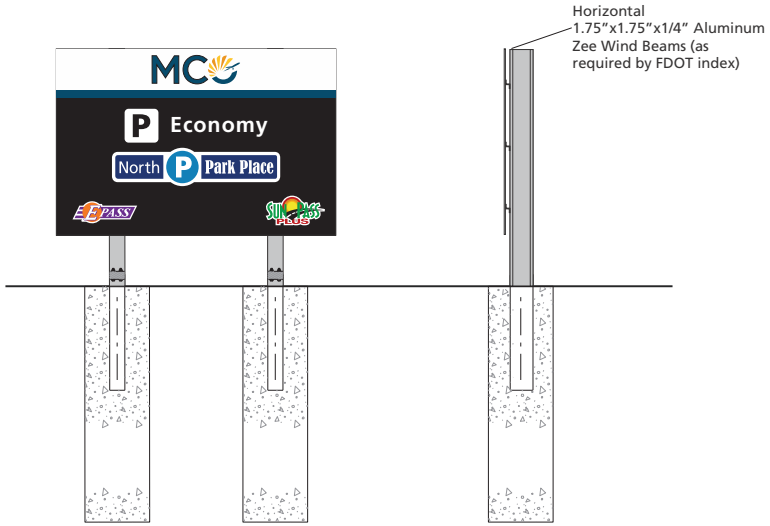
Drawing No.

01.57

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

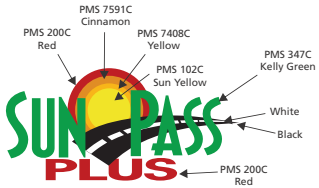
25 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



25 Front Elevation View
Scale is 1/4″ = 1′

25 Side Elevation View
Scale is 1/4″ = 1′



25 Logo Color Details
Not to Scale

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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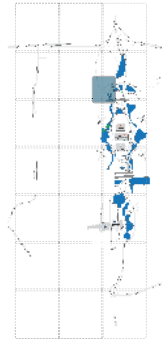
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-05

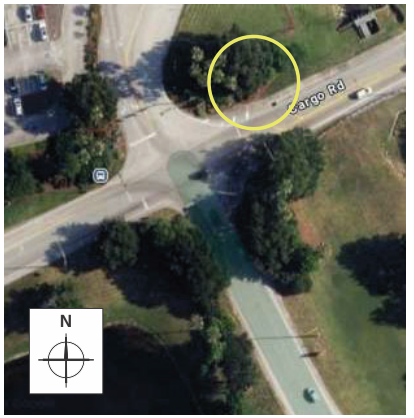
Drawing No.

01.58

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

26 Existing Elevation View (GM.CR.10)
Not to Scale

26 Concept Elevation View (GM.CR.10)
Not to Scale



26 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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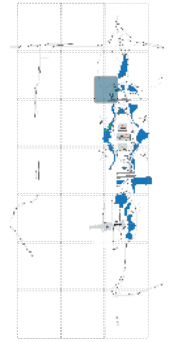
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

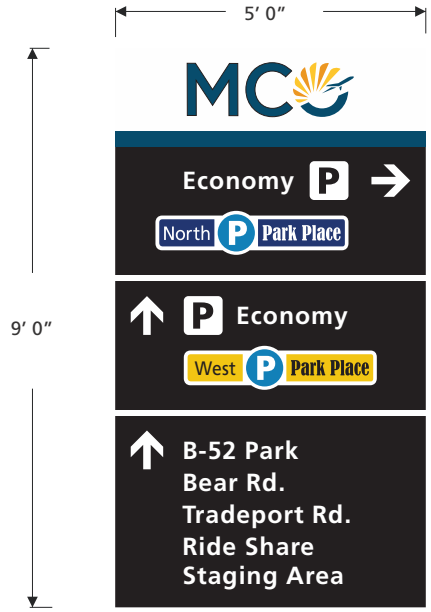
Drawing Title:

GM-CR-10

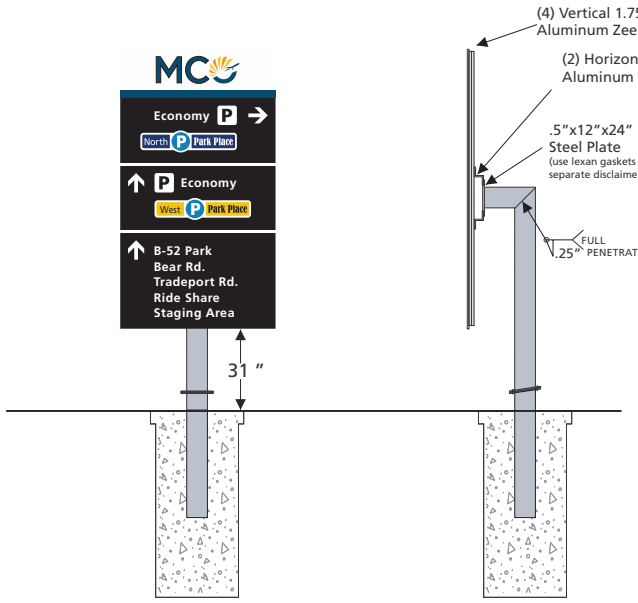
Drawing No.

01.59

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



26 New Layout View
Scale is 1/2″ = 1′



26 Install View
Scale is 1/4″ = 1′

26 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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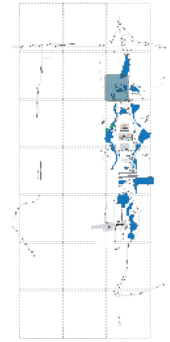
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

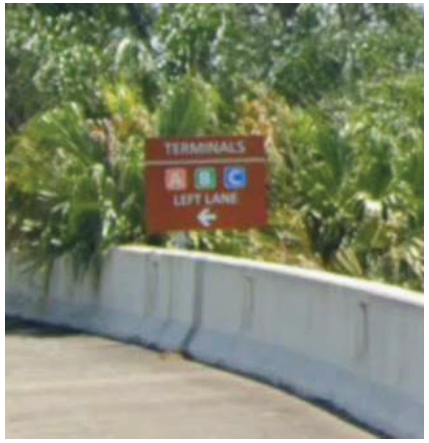
Drawing Title:

GM-CR-10

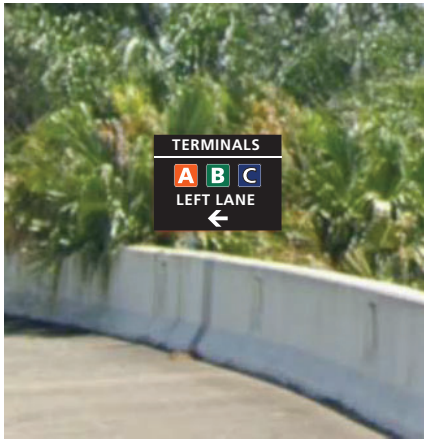
Drawing No.

01.60

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

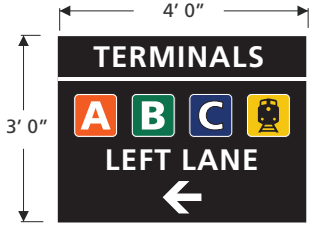


27 Existing Elevation View (GM.CR.12)
Not to Scale



27 Concept Elevation View (GM.CR.12)
Not to Scale

27 Concept Site View
Not to Scale



27 New Layout View
Scale is 1/2" = 1'

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

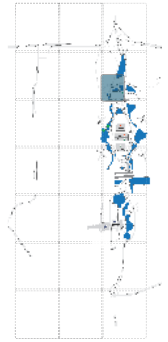
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-12

Drawing No.

01.61

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

28 Existing Elevation View (GM.CR.15)
Not to Scale

28 Concept Elevation View (GM.CR.15)
Not to Scale

28 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

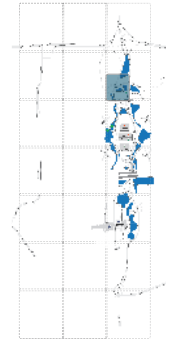
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

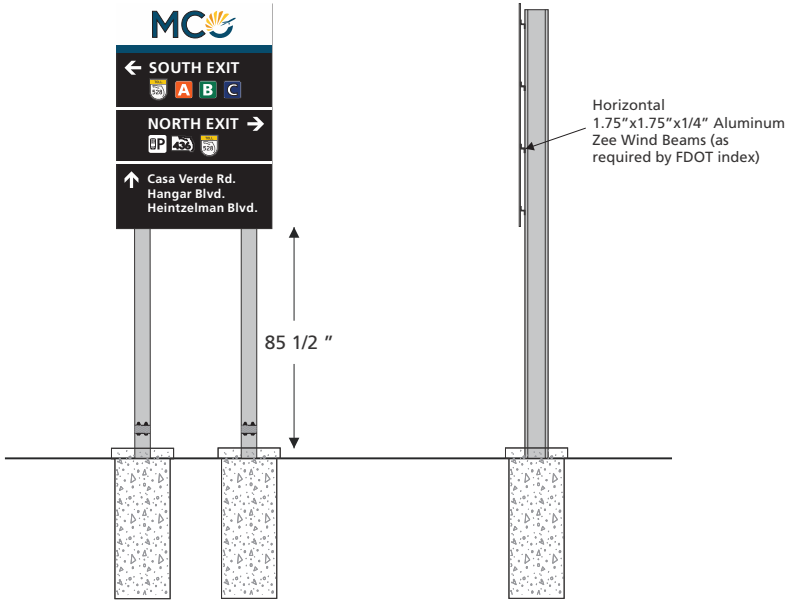
GM-CR-15

Drawing No.

01.62

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

28 New Layout View
Scale is 1/2″ = 1′



28 Front Elevation View
Scale is 1/4″ = 1′

28 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
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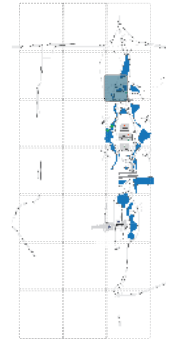
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-15

Drawing No.

01.63

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

29 Existing Elevation View (GM.CR.20)
Not to Scale

29 Concept Elevation View (GM.CR.20)
Not to Scale

29 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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Artistic Identity
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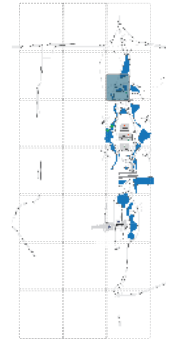
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

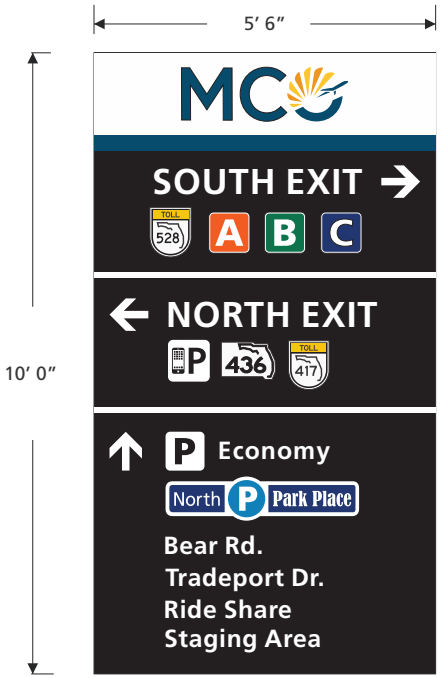
Drawing Title:

GM-CR-20

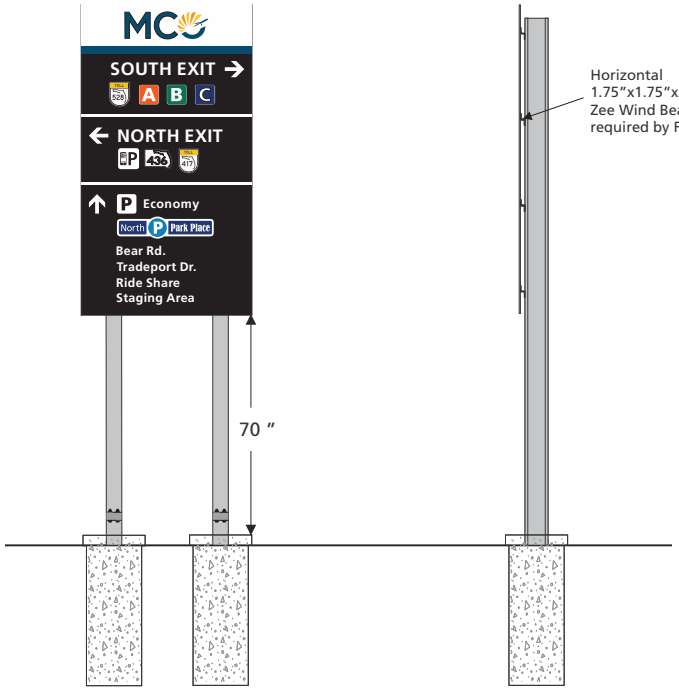
Drawing No.

01.64

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



29 New Layout View
Scale is 1/2" = 1'



29 Front Elevation View
Scale is 1/4" = 1'

29 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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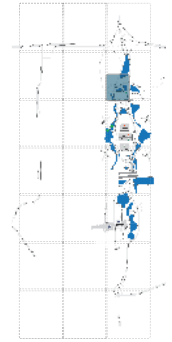
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-20

Drawing No.

01.65

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

30 Existing Elevation View (GM.CR.21)
Not to Scale

30 Concept Elevation View (GM.CR.21)
Not to Scale

30 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

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Ground Mounted Roadway Signage Upgrades

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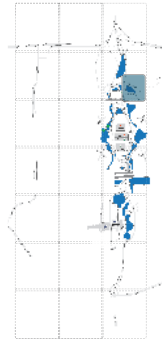
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

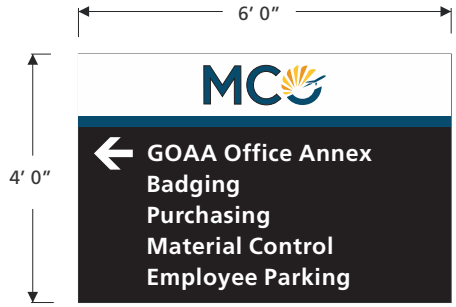
Drawing Title:

GM-CR-21

Drawing No.

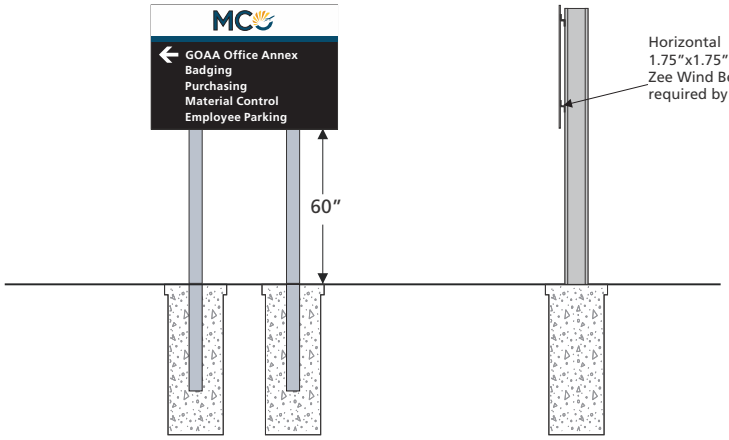
01.66

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



30 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



30 Front Elevation View
Scale is 1/4″ = 1′

30 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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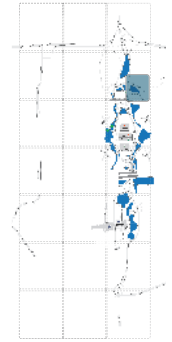
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

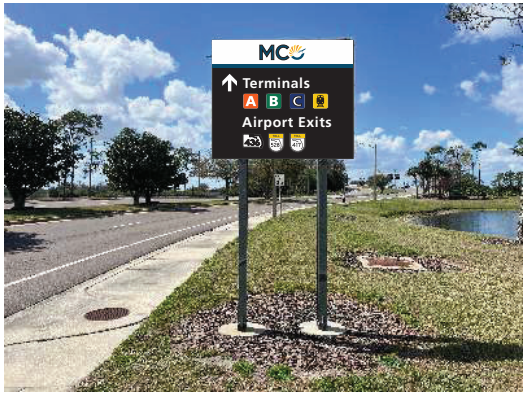
GM-CR-21

Drawing No.

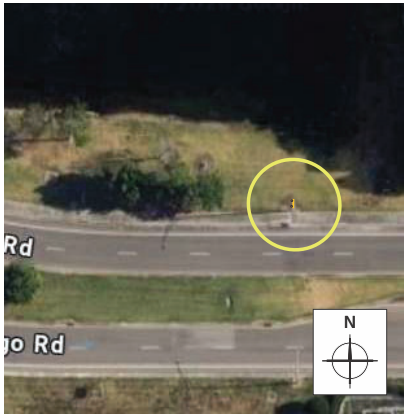
01.67

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

31 Existing Elevation View (GM.CR.22)
Not to Scale



31 Concept Elevation View (GM.22)
Not to Scale



31 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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100 E Pine St
Orlando, FL 32801
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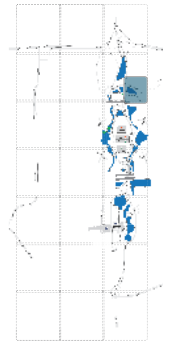
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

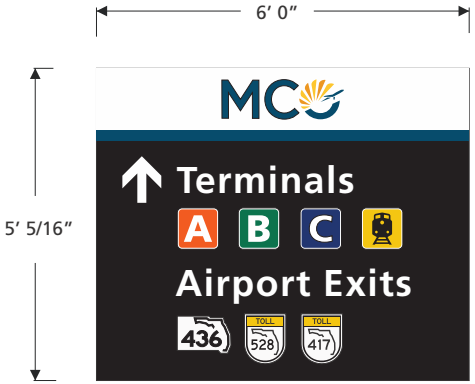
Drawing Title:

GM-CR-22

Drawing No.

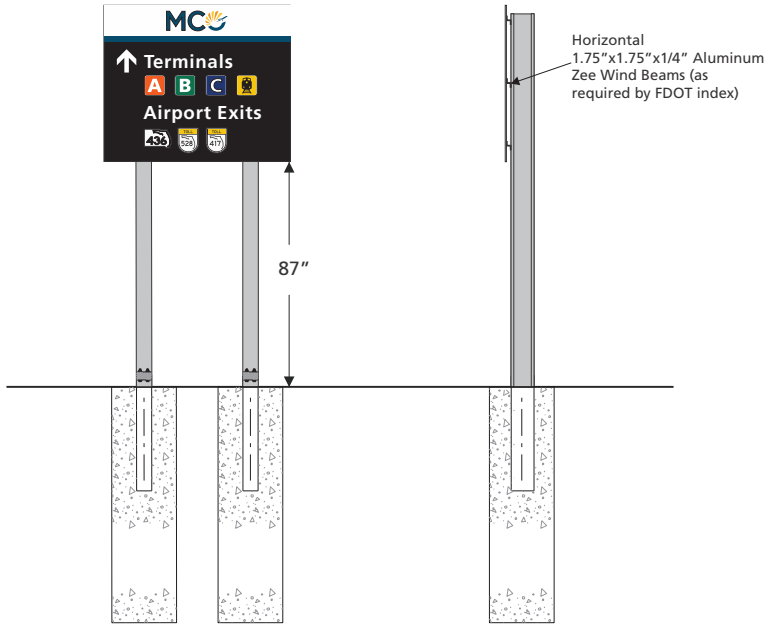
01.68

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



31 New Layout View
Scale is 1/2" = 1'

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



31 Front Elevation View
Scale is 1/4" = 1'

31 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

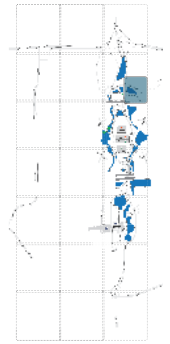
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-22

Drawing No.

01.69

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

32 Existing Elevation View (GM.CR.25)
Not to Scale

32 Concept Elevation View (GM.CR.25)
Not to Scale

32 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
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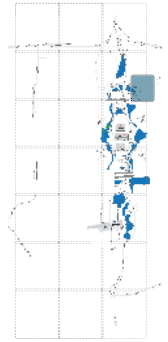
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

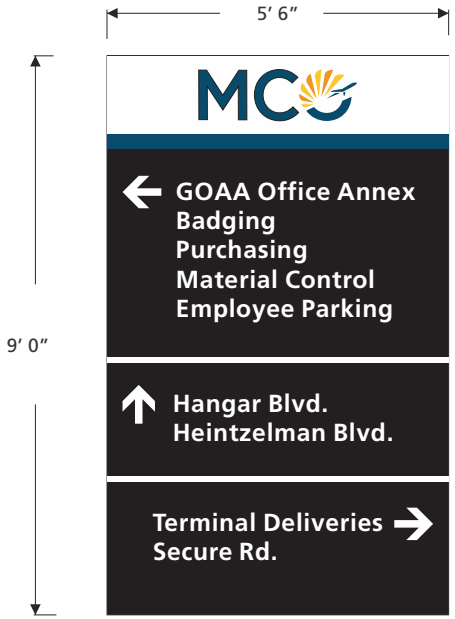
Drawing Title:

GM-CR-25

Drawing No.

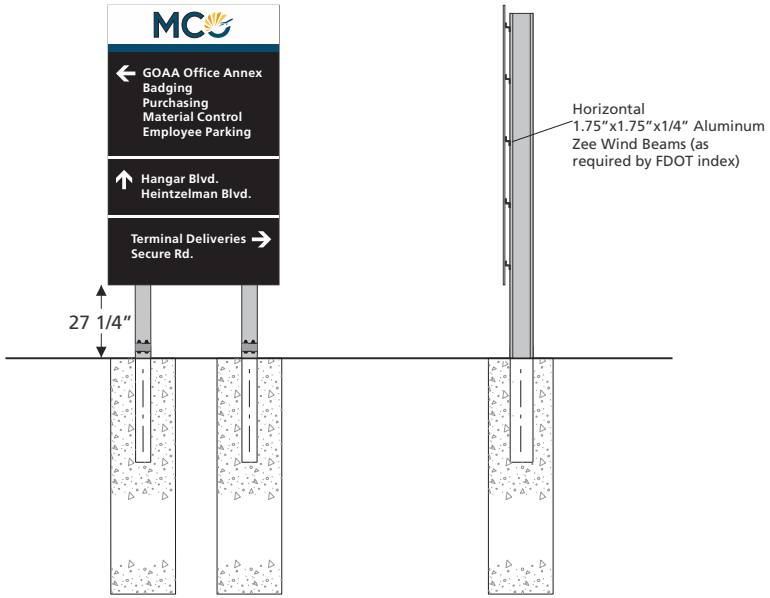
01.70

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



32 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



32 Front Elevation View
Scale is 1/4″ = 1′

32 Side Elevation View
Scale is 1/4″ = 1′

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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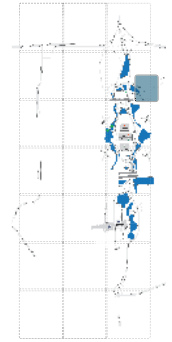
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

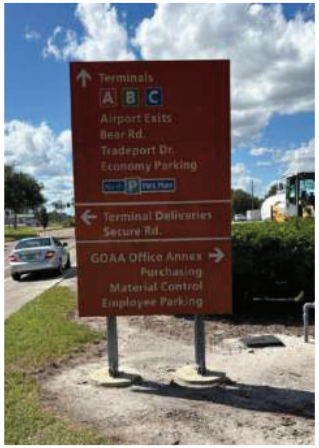
Drawing Title:

GM-CR-25

Drawing No.

01.71

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



33 Existing Elevation View (GM.CR.30)
Not to Scale

33 Concept Elevation View (GM.CR.30)
Not to Scale

33 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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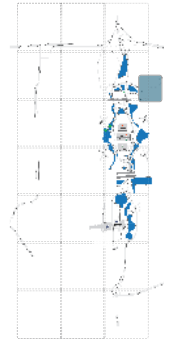
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

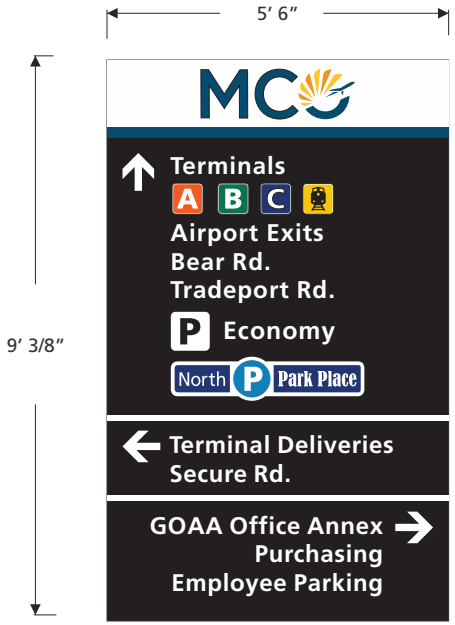
Drawing Title:

GM-CR-30

Drawing No.

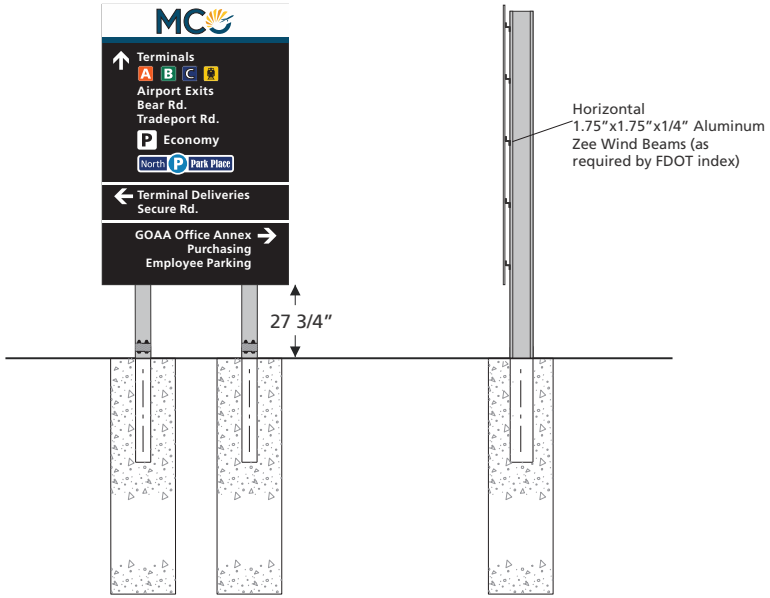
01.72

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



33 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



33 Front Elevation View
Scale is 1/4″ = 1′

33 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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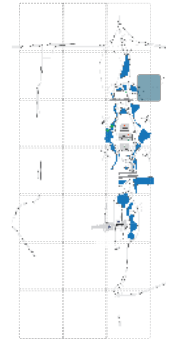
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-30

Drawing No.

01.73

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

34 Existing Elevation View (GM.CR.32)
Not to Scale

34 Concept Elevation View (GM.CR.32)
Not to Scale

34 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

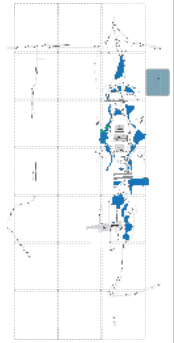
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-32

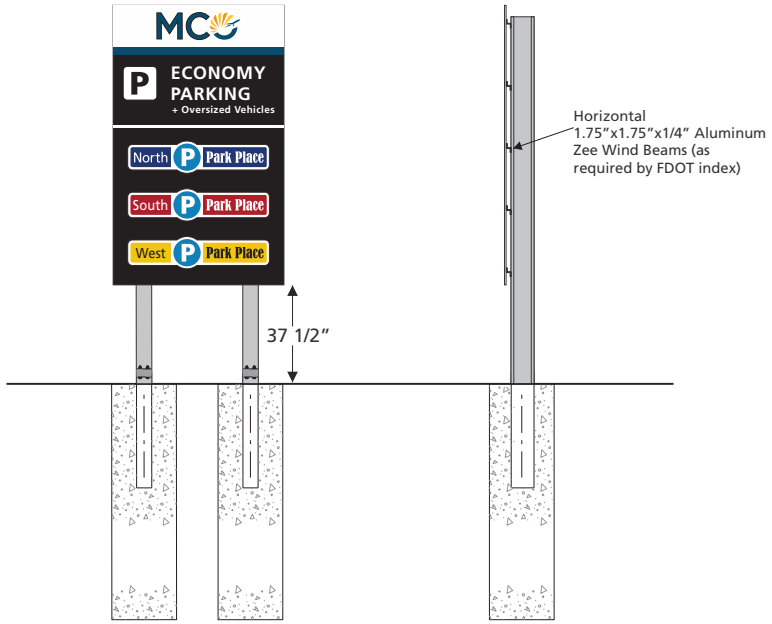
Drawing No.

01.74

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

34 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



34 Front Elevation View
Scale is 1/4″ = 1′

34 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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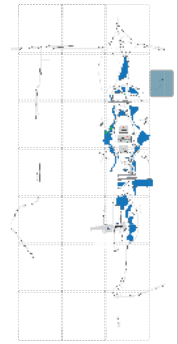
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-32

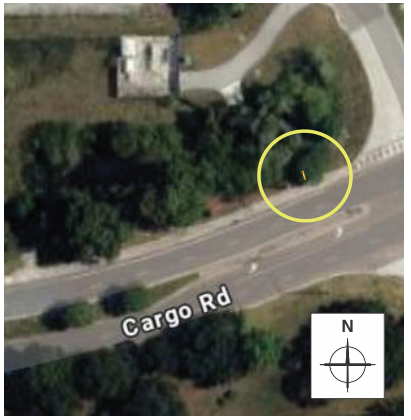
Drawing No.

01.75

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

35 Existing Elevation View (GM.CR.35)
Not to Scale

35 Concept Elevation View (GM.CR.35)
Not to Scale



35 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

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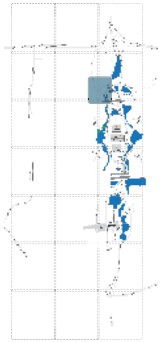
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

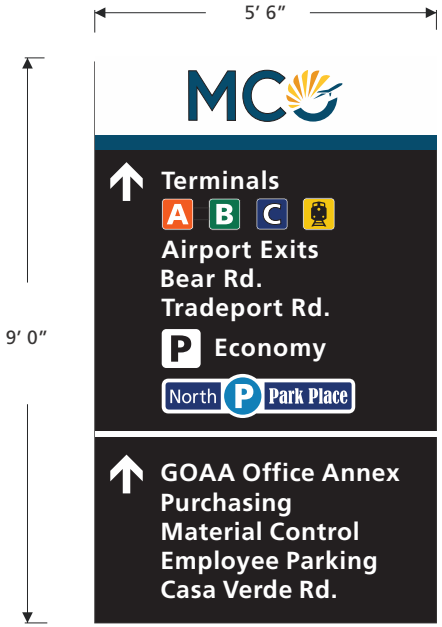
GM-CR-35

Drawing No.

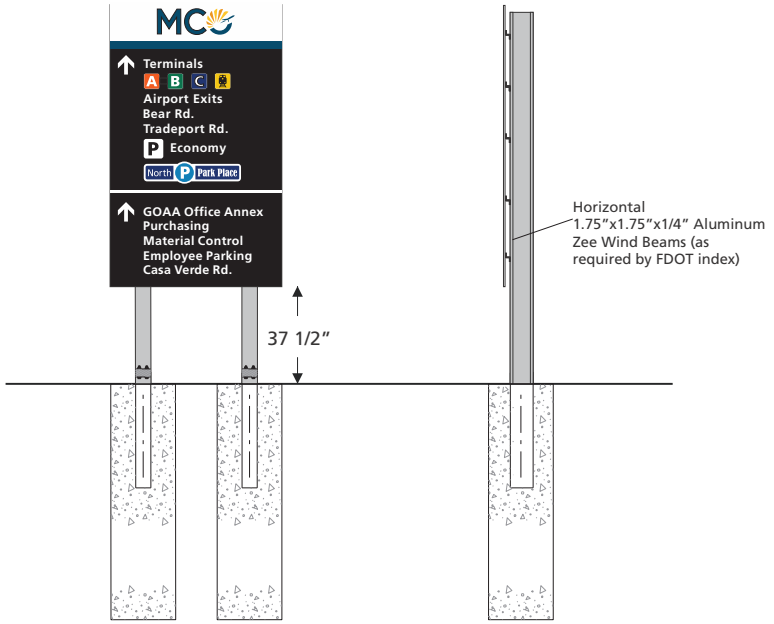
01.76

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



35 New Layout View
Scale is 1/2" = 1'



35 Front Elevation View
Scale is 1/4" = 1'

35 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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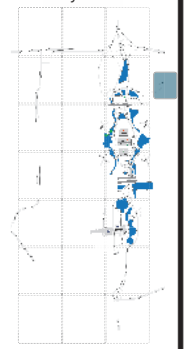


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

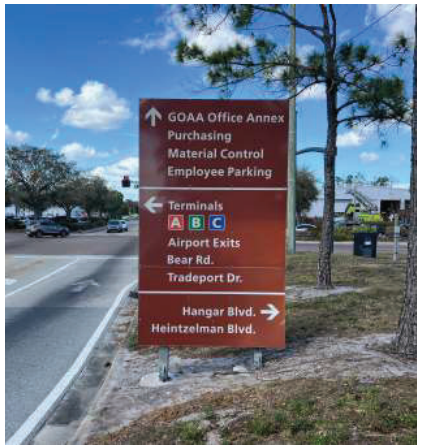
Drawing Title:

GM-CR-35

Drawing No.

01.77

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



36 Existing Elevation View (GM.CV.05)
Not to Scale

36 Concept Elevation View (GM.CV.05)
Not to Scale

36 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
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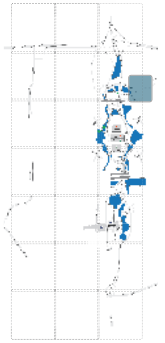
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

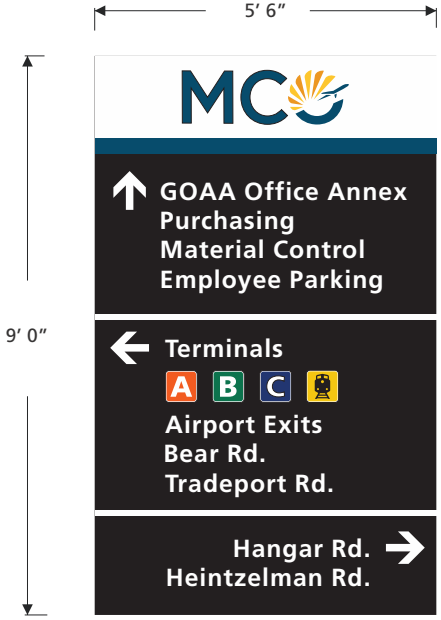
GM-CV-05

Drawing No.

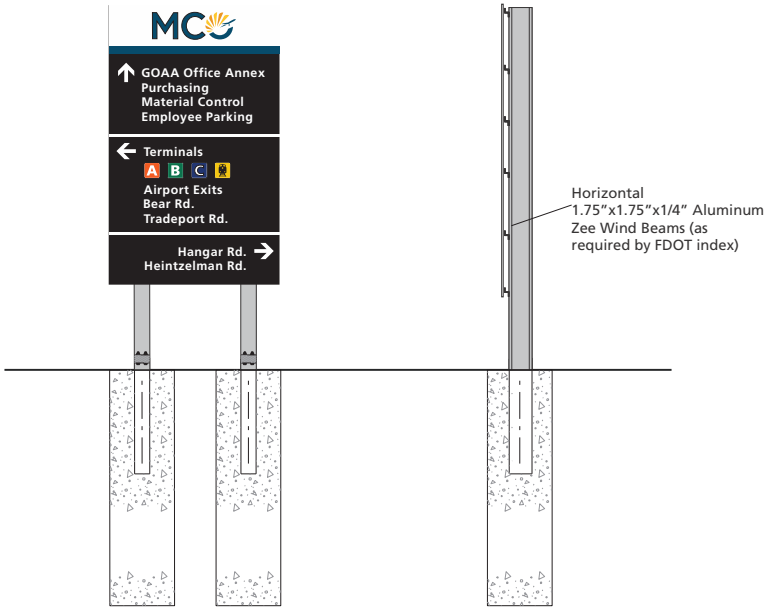
01.78

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



36 New Layout View
Scale is 1/2″ = 1′



36 Front Elevation View
Scale is 1/4″ = 1′

36 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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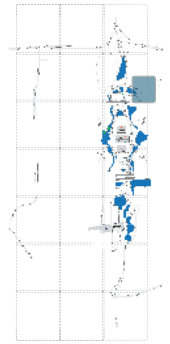
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-05

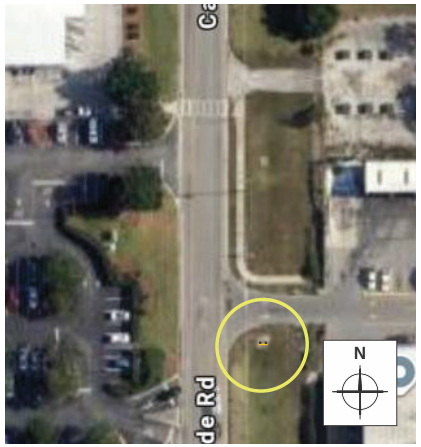
Drawing No.

01.79

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

36.5 Existing Elevation View (GM.CV.07)
Not to Scale

36.5 Concept Elevation View (GM.CV.07)
Not to Scale



36.5 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

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G-0049
Ground Mounted Roadway Signage Upgrades

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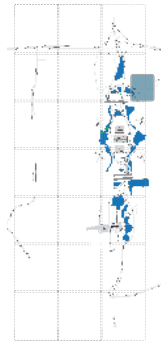
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

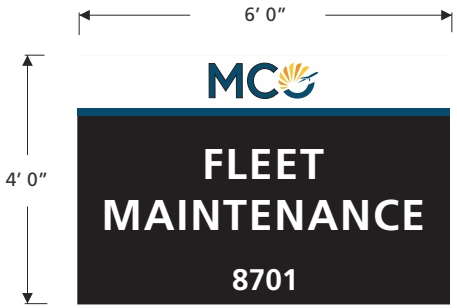
Drawing Title:

GM-CV-07

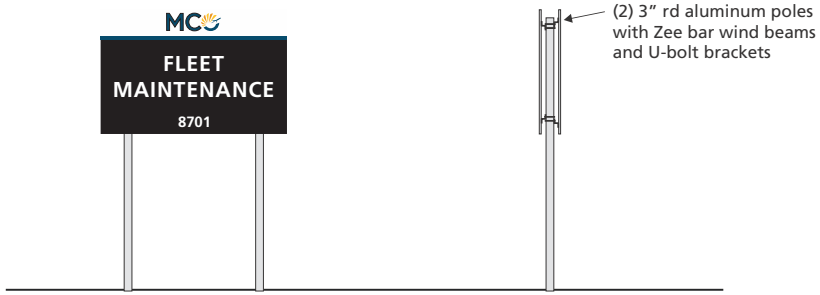
Drawing No.

01.80

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



36.5 New Layout View
Scale is 1/2″ = 1′



36.5 Front Elevation View
Scale is 1/4″ = 1′

36.5 Side Elevation View
Scale is 1/4″ = 1′

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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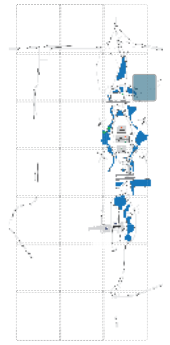
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-07

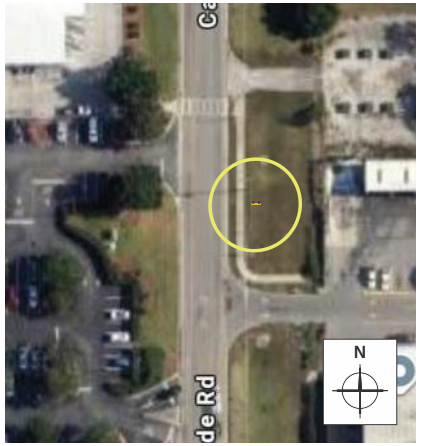
Drawing No.

01.81

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

37 Existing Elevation View (GM.CV.10)
Not to Scale

37 Concept Elevation View (GM.CV.10)
Not to Scale



37 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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Orlando, FL 32801
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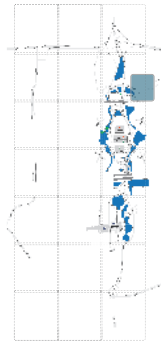
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-10

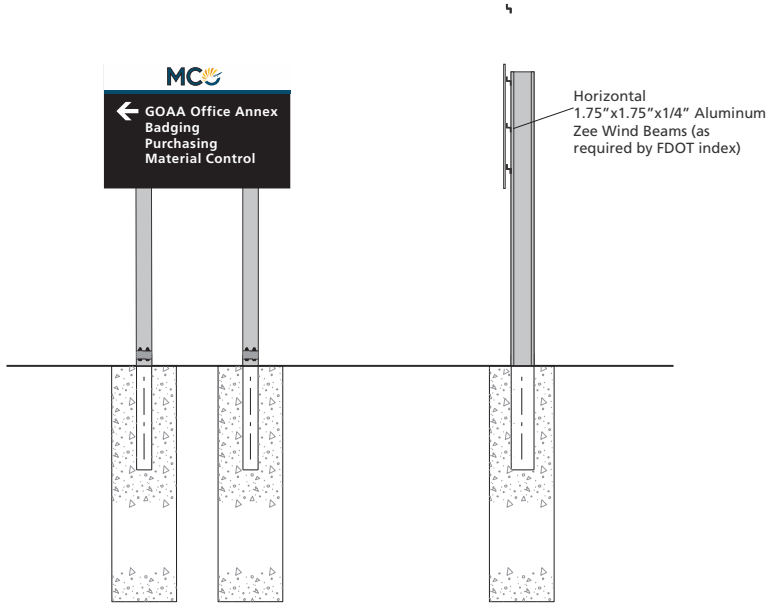
Drawing No.

01.82

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

37 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



37 Front Elevation View
Scale is 1/4″ = 1′

37 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
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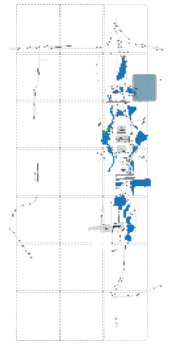

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-10

Drawing No.

01.83

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

38 Existing Elevation View (GM.CV.15)
Not to Scale

38 Concept Elevation View (GM.CV.15)
Not to Scale

38 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

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Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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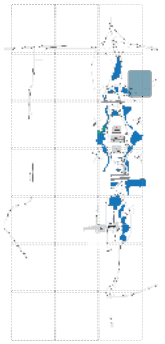
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

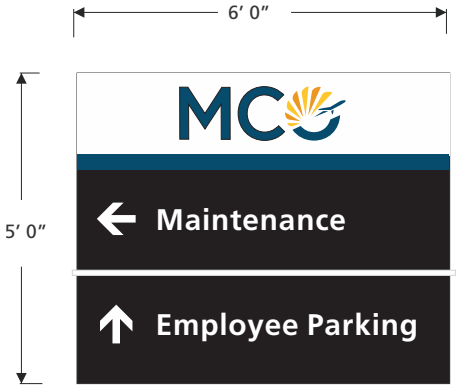
Drawing Title:

GM-CV-15

Drawing No.

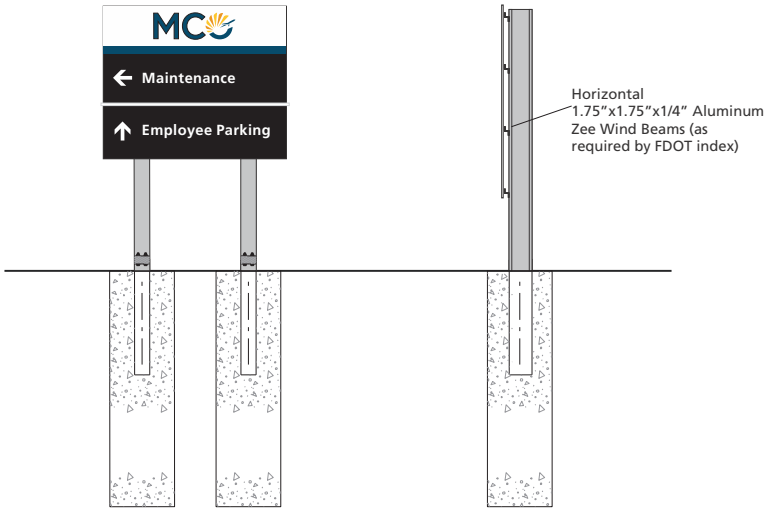
01.84

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



38 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



38 Front Elevation View
Scale is 1/4″ = 1′

38 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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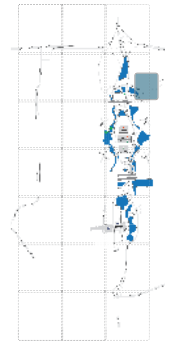


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

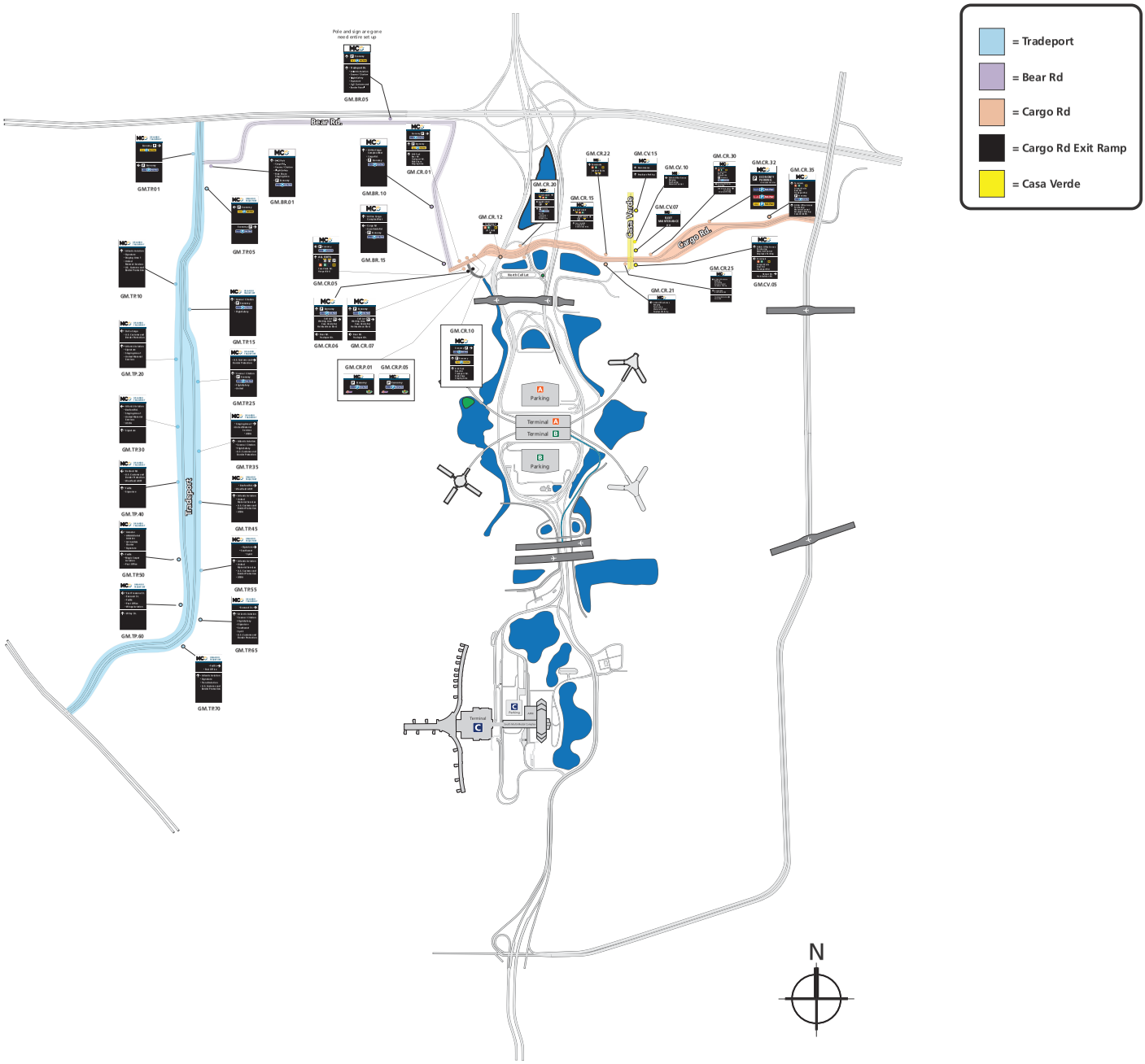
Drawing Title:

GM-CV-15

Drawing No.

01.85

38 - Ground Mtd Structures
1 - Bridge Mtd Structure



All locations are approximate.
Final locations to be coordinated in field with GOAA OAR Team.

GENERAL NOTES:

1. Meet the requirements of Specification 700.

2. Verify Column lengths in the field prior to fabrication.

3. Shop drawings:

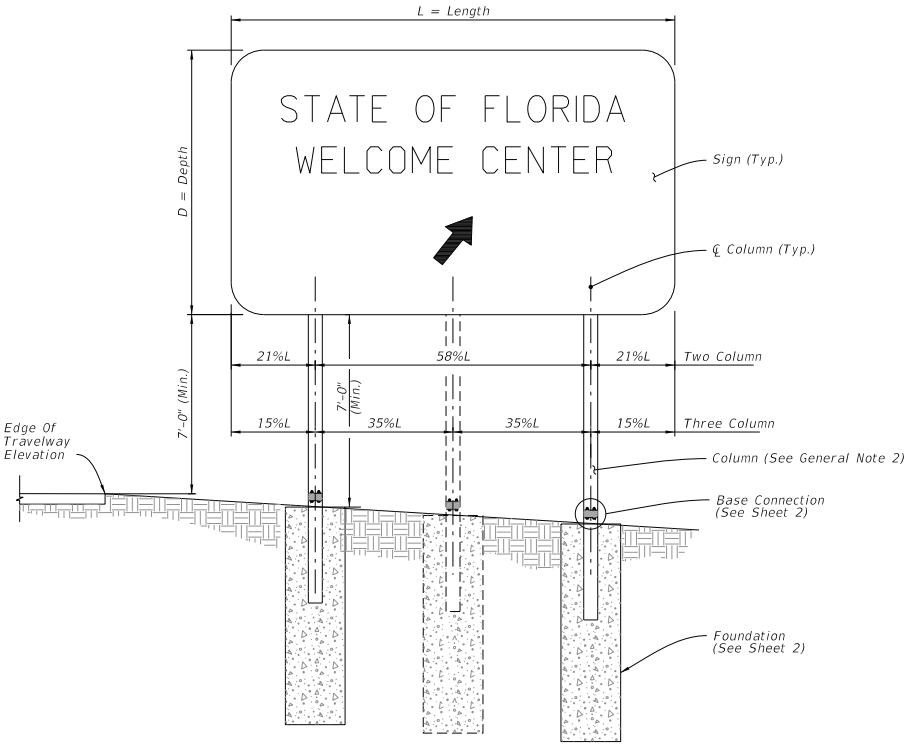
   A. Sign Support Shop drawings are not required when fabricated in accordance with this Index and support columns do not exceed the width ("W") shown in the plans by more than 2'-0".

   B. Sign Panels: Horizontal panel splices are allowed at interior wind beams for sign panels with a height ("H") greater than 10 feet. Shop drawings required for horizontal panel splice details.

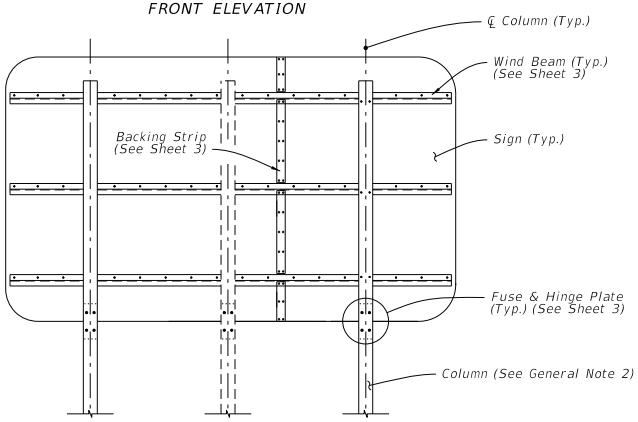
   C. When shop drawings are required, obtain approval prior to fabrication.

4. Materials:

   A. Sign Panel Mounting Materials:
      a. Aluminum Bars, and Extruded Shapes: ASTM B221, Alloy 6061-T6 or Alloy 6351-T5
      b. Aluminum Structural Shapes: ASTM B221, Alloy 6061-T6
   B. Sign Support Structure Materials:
      a. Steel Plates and Structural Shapes: ASTM A36 or ASTM A709, Grade 36
      b. Steel Weld Metal: E70XX
      c. Shims: Brass ASTM B36 or Galvanized Steel
   C. Aluminum Bolts, Nuts and Washers:
      a. Flat Head and Button Head Bolts: ASTM F 468, Alloy 2024-T4
      b. Hex Nuts: ASTM F467, 2024-T4
      c. Washers: ASTM B221, Alloy 2024-T4
   D. Stainless Steel Bolts, Nuts and Washers Alloy Group 2, Condition A, may be substituted for the Aluminum bolts as follows:
      a. Bolts: ASTM F593, CW1 or SH1
      b. Nuts: ASTM F594,
   E. High Strength (H.S.) Steel Bolts, Nuts and Washers:
      a. Galvanized Hex Head Bolts: ASTM F3125, Grade A325, Type 1
      b. Galvanized Nuts: ASTM A563 Hex, Grade DH
      c. Galvanized Washers: ASTM F436
   F. Concrete: Class II.



FRONT ELEVATION

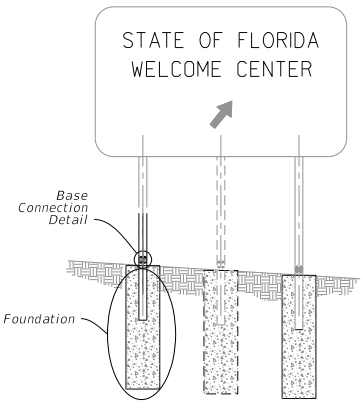


BACK ELEVATION

MULTI-COLUMN SIGN ASSEMBLY

5/13/2024 11:11:17 AM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	MULTI-COLUMN GROUND SIGN	INDEX	SHEET
11/01/22						700-020	1 of 3



MULTI-COLUMN SIGN ASSEMBLY

FOUNDATION NOTES:

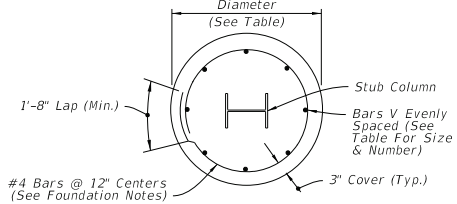
The Contractor may use Welded Wire Reinforcement (WWR) for foundation reinforcing.

At the Contractors option, the #4 tie bars at 12" o.c. may be replaced by D10 Spiral Wire @ 6" pitch, with three flat turns at the top and one flat turn at the bottom in accordance with Specification 415.

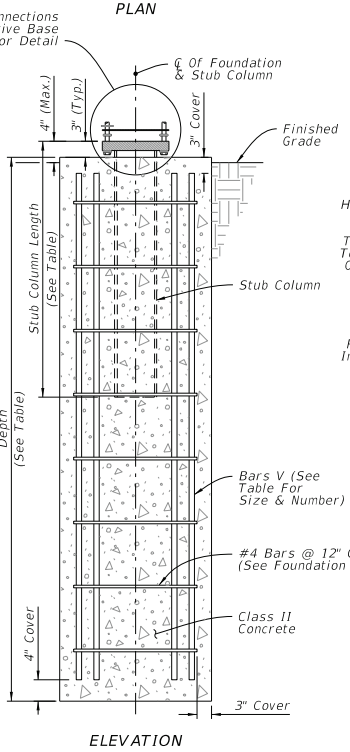
BASE CONNECTION NOTES:

1. Assembly of Base Instructions:
   - A. Place one washer on each Base Bolt between the Bottom Base Plate and the head of high strength Base Bolt; place the next washer between the Bottom Base Plate and the Bolt Keeper Plate; add the Top Base Plate section and place the third washer between the Top Base Plate and the Nut.
   - B. Shim as required to plumb column. Provide 2-0.0149" thick (28 gauge) and 2-0.0329" thick (21 gauge) shims per column.
2. H.S. Base Bolt L Tightening Instructions:
   - A. Tighten Base Bolts to the maximum possible with a 12" to 15" wrench (this will bed the washers and shims and clear the bolt threads).
   - B. Loosen each Base Bolt one turn.
   - C. Under the supervision of the Engineer, use a calibrated wrench to tighten bolts to the torque prescribed in the Table. Over tightened Base Bolts will not be permitted.
   - D. Burr threads at junction with nut to prevent nut loosening. Treat damaged galvanizing.
3. Assemble Post to Stub with Base Bolts and three flat washers per bolt (See Base Connection Details). Tighten Base Bolts in accordance with Instructions with Note 2.
4. Weld Base Plate to Post & Stub or if using the Alternate Connection Detail weld Base Plate and Stiffeners to Post and Stub.
5. Orient Stub Post according to direction of traffic.

FOUNDATION DATA				
Steel Post & Stub Section*	Dia.	Depth	Stub Column Length	Reinf. Bars V
S 3x5.7	2'-0"	4'-0"	3'-0"	10-#6
W 6x12	2'-0"	6'-0"	3'-0"	10-#6
W 8x18	2'-4"	7'-6"	4'-0"	8-#8
W 8x24	2'-4"	8'-6"	4'-0"	8-#8
W 10x33	2'-4"	10'-3"	4'-0"	8-#8
W 12x45	2'-8"	11'-3"	5'-0"	10-#8

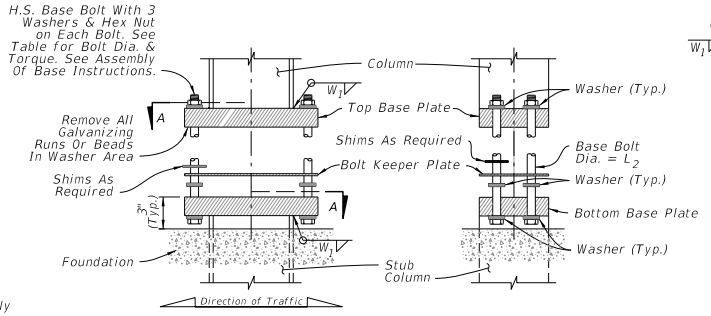


PLAN

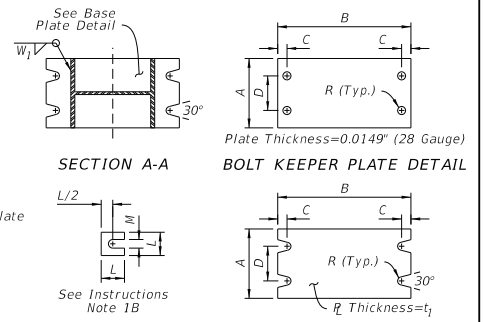


ELEVATION

FOUNDATION



SIDE ELEVATION FRONT ELEVATION

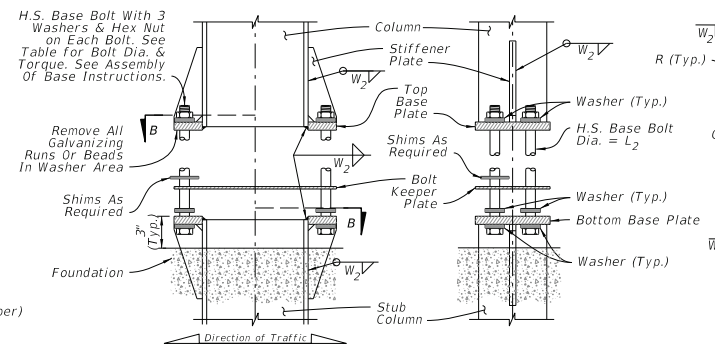


SECTION A-A SHIM DETAIL BOLT KEEPER PLATE DETAIL BASE PLATE DETAIL

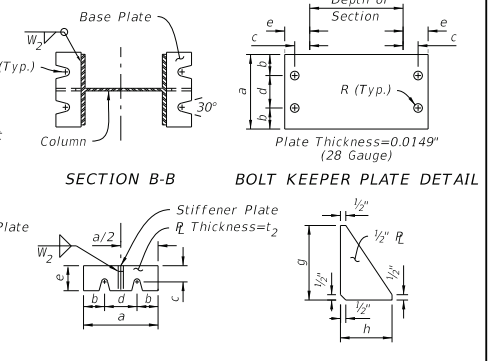
BASE CONNECTION DATA										SHIM	
Steel Post & Stub Section*	A	B	C	D	R	t_1	L_2	W_1	Torque (lbf*in)	L	M
S 3x5.7	4"	7"	3/4"	2"	5/16"	1"	1/2"	1/4"	90 ± 20	1-1/4"	9/16"
W 6x12	4"	10"	3/4"	2"	3/8"	1-5/8"	5/8"	1/4"	270 ± 45	1-3/8"	11/16"
W 8x18	5-1/4"	12-1/2"	7/8"	2-3/4"	7/16"	1-3/4"	3/4"	3/8"	445 ± 75	1-3/4"	13/16"
W 8x24	6-1/2"	12-1/2"	7/8"	3-1/4"	7/16"	1-3/4"	3/4"	3/8"	445 ± 75	2-1/8"	13/16"
W 10x33	8"	16"	1-1/4"	4-3/4"	9/16"	2"	1"	1/2"	580 ± 90	2-3/8"	1-1/16"
W 12x45	10"	18"	1-1/4"	6"	9/16"	2"	1"	1/2"	580 ± 90	2-3/4"	1-1/16"

* Designations: (Nominal Depth in inches) x (weight in pounds per linear foot).

BASE CONNECTION



SIDE ELEVATION FRONT ELEVATION



SECTION B-B BOLT KEEPER PLATE DETAIL BASE PLATE DETAIL STIFFENER PLATE DETAIL

ALTERNATIVE BASE CONNECTION DATA												
Steel Section*	a	b	c	d	e	t_2	L_2	R	Torque (lbf*in)	g	h	W_2
W 6x12	4-3/4"	1-1/8"	1-3/16"	2-1/2"	2"	1/2"	5/8"	3/8"	270±45	5-1/8"	2"	1/4"
W 8x18	5-3/4"	1-1/2"	1-3/8"	2-3/4"	2-3/16"	5/8"	3/4"	7/16"	445±75	6-1/4"	2-3/16"	1/4"
W 8x24	7"	1-3/4"	1-3/8"	3-1/2"	2-3/8"	3/4"	3/4"	7/16"	445±75	8"	2-3/8"	5/16"
W 10x33	8"	2"	1-9/16"	4"	2-3/4"	3/4"	1"	9/16"	580±90	8"	2-3/4"	5/16"
W 12x45	8"	2"	1-9/16"	4"	3"	3/4"	1"	9/16"	580±90	8"	3"	5/16"

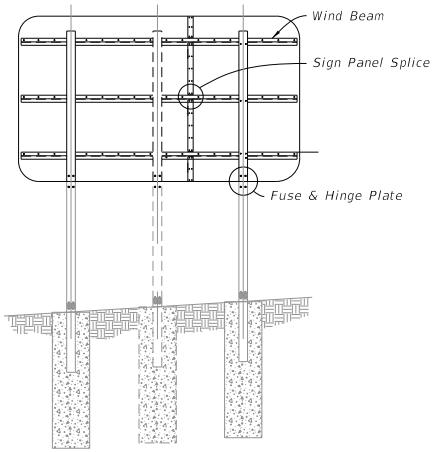
* Designations: (Nominal Depth in inches) x (weight in pounds per linear foot).

ALTERNATIVE BASE CONNECTION

FOUNDATION AND BASE CONNECTION DETAILS

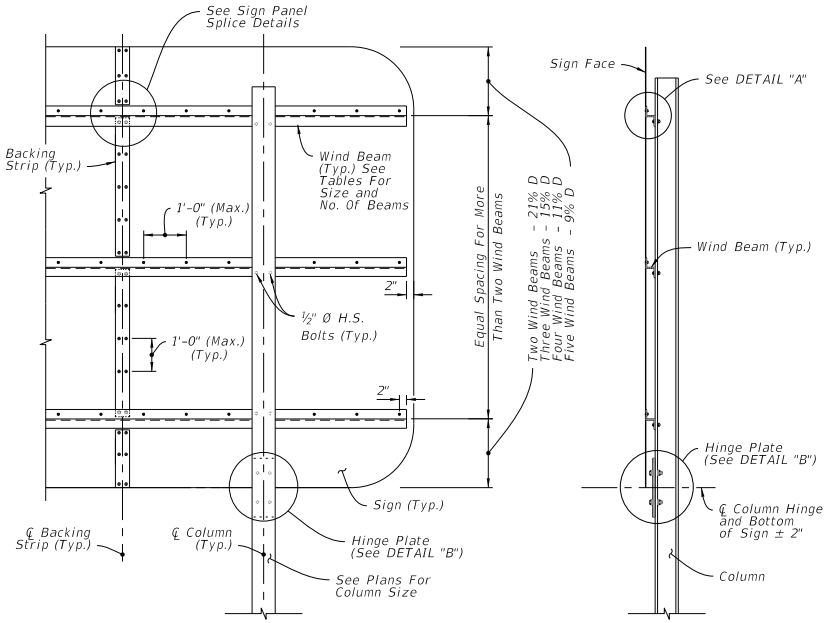
10/6/2022 2:36:28 PM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/22			FY 2023-24 STANDARD PLANS	MULTI-COLUMN GROUND SIGN	700-020	2 of 3



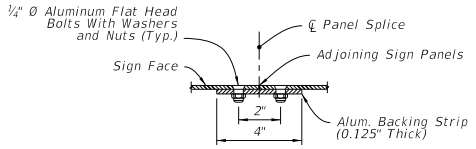
BACK ELEVATION

MULTI-COLUMN SIGN ASSEMBLY

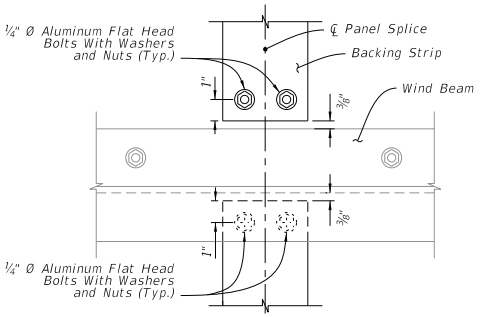


BACK ELEVATION SIDE ELEVATION

MULTI-COLUMN SIGN BACK PANEL



PLAN VIEW



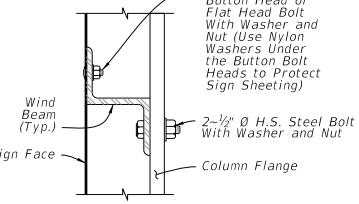
ELEVATION

SIGN PANEL SPLICE

NUMBER OF WIND BEAMS BASED ON SIGN DEPTH (D)			
2 Beams	3 Beams	4 Beams	5 Beams
D ≤ 8'	8' < D ≤ 12'	12' < D ≤ 16'	16' < D ≤ 20'

WIND BEAM SIZE BASED ON SIGN LENGTH (L)		
2 Columns	3 Columns	Aluminum Beam Size **
L ≤ 12'	L ≤ 18'	Z 1-¾ x 1-¾ x 1.09
12' < L ≤ 20'	18' < L ≤ 30'	Z 3 x 2-$^{1}/_{16}$ x 2.33
20' < L ≤ 25'	30' < L ≤ 39'	Z 4-$^{1}/_{16}$ x 3-⅛ x 3.57

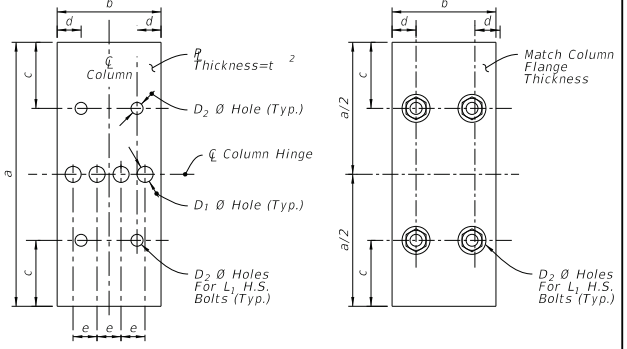
**Designation gives (Member Depth in inches) x (Flange Width in inches) x (lb/ft)



DETAIL "A"

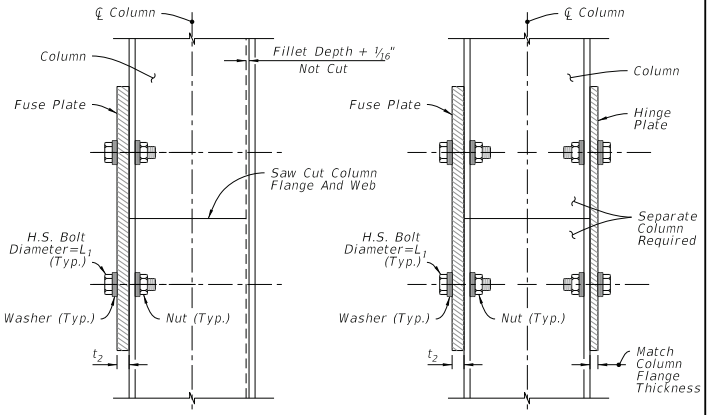
FUSE (HINGE) PLATE DATA									
Steel Section*	a	b	c	d	e	t_2	D_1	D_2	L_1
S 3x5.7	7-1/4"	2-3/8"	1-1/4"	1/2"	9/16"	3/8"	7/16"	9/16"	1/2"
W 6x12	7-1/4"	4"	1-1/4"	7/8"	15/16"	3/8"	13/16"	11/16"	5/8"
W 8x18	8-1/4"	5-1/4"	1-3/8"	1-1/8"	1-1/4"	3/8"	1"	13/16"	3/4"
W 8x24	8-1/4"	6-1/2"	1-3/8"	1-1/2"	1-1/2"	1/2"	1"	13/16"	3/4"
W 10x33	9-1/4"	8"	2"	1-3/4"	1-3/4"	5/8"	1-1/8"	1-1/16"	1"
W 12x45	11"	8"	2"	1-3/4"	1-3/4"	3/4"	1-5/16"	1-1/16"	1"

* Designations: (Nominal Depth in inches) x (Weight in Pounds Per Linear Foot)



FUSE PLATE HINGE PLATE

FUSE & HINGE PLATE



DETAIL "B"

WIND BEAM, BACKING STRIP & FUSE/HINGE PLATE DETAILS

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	MULTI-COLUMN GROUND SIGN	INDEX	SHEET
11/01/22						700-020	3 of 3

5/13/2024 11:11:26 AM

Published By: Jennifer Woods
Reviewed By: Jeff Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 1	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	G-00049 Repair & Replace Faded Roadway Signage at Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd	DATE: 4/28/26
CONTRACTOR:	Baron International, LLC, dba Baron Sign Manufacturing	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Provide all labor, material, and equipment to repair and replace roadway signage at Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $203,560.43

Item #2 – Allowance Reduction-Reduce the Allowance by ($203,560.43) From $1,800,000.00 to $1,596,439.57 to cover the costs of Item #1 above.

Deduct: ($203,560.43)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 203,560.43		
GOAA/OAR Estimate	$ 198,900.00		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 148,655.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00

CC
ITEM III-B
04/28/2026

Published By: Jennifer Woods
Reviewed By: Jeff Reine

	Errors	$
PREPARED BY: Jennifer Woods		PHONE: x4056

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

BARON SIGN MANUFACTURING

Baron International LLC
17180 Innovation Drive
Jupiter, FL 33478

estdept@baronsign.com
License: EC13009604
FEIN: 37-1904753

Samantha Coursen
Direct: 561-721-0682
Office: 561-863-7446, ext: 1007

Project Name: GOAA- Roadway Signange - Orlando - G-00049

	Product	Size	Type	Qty	Unit	Tax Exempt	Amount
	All pricing includes installation and design.						
1	**GM.BR.01, GM.BR.10, GM.BR.15, CM.CR.01, GM.CR.10, GM.TP.01,GM.TP.05, GM.TP.10, GM.TP.15, GM.TP.20, GM.TP.25, GM.TP.30, GM.TP.35, GM.TP.40, GM.TP.45, GM.TP.50, GM.TP.55, GM.TP.60, GM.TP.65, GM.TP.70 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing steel plate & pipe structure	60"x108"	A125	20	4,367.24	4,367.24	$ 87,344.80
2	**GM.CR.05, GM.CR.25, GM.CR.32, GM.CR.35, GM.CV.05 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing steel plate & pipe structure	66"x108"	A125	5	4,664.74	4,664.74	$ 23,323.70
3	**GM.CR.06, GM.CR.07 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing steel plate & pipe structure	72"X108"	A125	2	4,743.94	4,743.94	$ 9,487.88
4	**GM.CR.30 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	66"x108.375"	A125	1	4,664.74	4,664.74	$ 4,664.74
5	**GM.CR.20 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	66"X120"	A125	1	4,763.74	4,763.74	$ 4,763.74
6	**GM.CR.21, GM.CV.10, GM.CV.07 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back strcuture & installed to existing "I" beams	72"x48"	A125	3	3,383.54	3,383.54	$ 10,150.62
7	**GM.CV.15 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	72"x60"	A125	1	3,636.72	3,636.72	$ 3,636.72
8	**GM.CR.22 -** 1/8" aluminum panel with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beams	72"x60.312"	A125	1	4,011.25	4,011.25	$ 4,011.25
9	**GM.CR.P.01 -** Two 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	108"x72"	A125	2	4,743.94	4,743.94	$ 9,487.88
10	**GM.CR.P.05 -** 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	108.375"x72"	A125	1	4,761.55	4,761.55	$ 4,761.55
11	**GM.CR.15 -** 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	60"x86.875'	A125	1	3,773.12	3,773.12	$ 3,773.12
12	**GM.CR.12 -** 1/8' aluminum panels with full color black vinyl applied to first surface with diamond text overlay. Aluminum zee bar for the back structure & installed to existing "I" beam	48"x36"	A125	1	3,145.96	3,145.96	$ 3,145.96
13	**UV printing & UV over laminate cut out to size on diamond grade - LDB/VBE Requirment**			1	12,271.82	12,271.82	$ 12,271.82
14	**MOT Needed - LDB/VBE Requirment**			1	12,861.18	12,861.18	$ 12,861.18
48	**Bonding - 2% + Admin Fee**			1			$ 37,500.00
49							
	Please note: Regarding monuments, or other ground mounted signs, which go through permitting, this is a pre-engineering estimate. It may be subject to a change order after sign has been engineered for Florida wind loads.						

Site Survey - includes 1 travel to site prior to installation	$ 1,500.00			1		$ 1,500.00	$ 1,500.00
Mobilization - includes 2 travels to site for installation	$ 3,962.70			2		$ 3,962.70	$ 7,925.40
Permit Drawing	$ 450.00			1		$ 450.00	$ 450.00

Tax Exempt

Total **QUALIFIED BUDGET** **$ 241,060.37**

Price subject to change pending site survey results, material change, or sizing.

P95 - Matte acrylic (black or white)	CH - Channel letter, facelit
P99 - Non-glare clear acrylic	RCH - Reverse channel letter, halo lit
TFA - Thermoformed acrylic	NCH - Non-lit channel letter
AC125 - 1/8" acrylic	C(A, Br) - Cast (Aluminum or Bronze)
AC250 - 1/4" acrylic	V - Vinyl
A063 - 1/16" aluminum	S - Sintra PVC sheet
A125 - 1/8" aluminum	LDPE - Low density polyethylene
A25 - 1/4" aluminum	ACM - Aluminum composite material
A50 - 1/2" aluminum	AMIX - Mixture of materials

Prices supported for 30 days from date submitted.

Typical installation/delivery is 6-8 weeks after final layout approval and receipt of permit if necessary. Rush orders can be accommodated for an additional charge. Please allow sufficient production time.

Quote Date	4/8/2026
Revision Date	4/22/2026
Revision Date	
Revision Date	
Revision Date	
Revision Date	
Revision Date	

Bid as per plans:
Addendum number:
Specification section:
Changes to specification after bid date may require new price confirmation.

26125

G-00049 Project Estimate Internal OAR - Jorge Hernandez-Corradino Inc

		Sign	Qty	SF Total	SF New	SF Overlay	New Amount	Overlay Amount	Total Amount
1	Cargo Rd	**GM CR 01**	1	45	45	0	$ 4,500	$ -	$ 4,500
2	Cargo Rd	**GM CR 05**	1	50	50	0	$ 5,000	$ -	$ 5,000
3	Cargo Rd	**GM CR 06**	1	54	54	0	$ 5,400	$ -	$ 5,400
4	Cargo Rd	**GM CR 07**	1	54	54	0	$ 5,400	$ -	$ 5,400
5	Cargo Rd	**GM CR P01**	2	108	108	0	$ 10,800	$ -	$ 10,800
6	Cargo Rd	**GM CR P05**	1	54	54	0	$ 5,400	$ -	$ 5,400
7	Cargo Rd	**GM CR 10**	1	45	45	0	$ 4,500	$ -	$ 4,500
8	Cargo Rd	**GM CR 12**	1	12	12	0	$ 1,200	$ -	$ 1,200
9	Cargo Rd	**GM CR 15**	1	35	35	0	$ 3,500	$ -	$ 3,500
10	Cargo Rd	**GM CR 20**	1	55	55	0	$ 5,500	$ -	$ 5,500
11	Cargo Rd	**GM CR 21**	1	24	24	0	$ 2,400	$ -	$ 2,400
12	Cargo Rd	**GM CR 22**	1	30	30	0	$ 3,000	$ -	$ 3,000
13	Cargo Rd	**GM CR 25**	1	50	50	0	$ 5,000	$ -	$ 5,000
14	Cargo Rd	**GM CR 30**	1	50	50	0	$ 5,000	$ -	$ 5,000
15	Cargo Rd	**GM CR 32**	1	50	50	0	$ 5,000	$ -	$ 5,000
16	Cargo Rd	**GM CR 35**	1	50	50	0	$ 5,000	$ -	$ 5,000
17	Casa Verde Rd	**GM CV 05**	1	50	50	0	$ 5,000	$ -	$ 5,000
18	Casa Verde Rd	**GM CV 07**	1	24	24	0	$ 2,400	$ -	$ 2,400
19	Casa Verde Rd	**GM CV 10**	1	24	24	0	$ 2,400	$ -	$ 2,400
20	Casa Verde Rd	**GM CV 15**	1	30	30	0	$ 3,000	$ -	$ 3,000
21	Tradeport Dr	**GM TP 01**	1	45	45	0	$ 4,500	$ -	$ 4,500
22	Tradeport Dr	**GM TP 05**	1	45	45	0	$ 4,500	$ -	$ 4,500
23	Tradeport Dr	**GM TP 10**	1	45	45	0	$ 4,500	$ -	$ 4,500
24	Tradeport Dr	**GM TP 15**	1	45	45	0	$ 4,500	$ -	$ 4,500
25	Tradeport Dr	**GM TP 20**	1	45	45	0	$ 4,500	$ -	$ 4,500
26	Tradeport Dr	**GM TP 25**	1	45	45	0	$ 4,500	$ -	$ 4,500
27	Tradeport Dr	**GM TP 30**	1	45	45	0	$ 4,500	$ -	$ 4,500
28	Tradeport Dr	**GM TP 35**	1	45	45	0	$ 4,500	$ -	$ 4,500
29	Tradeport Dr	**GM TP 40**	1	45	45	0	$ 4,500	$ -	$ 4,500
30	Tradeport Dr	**GM TP 45**	1	45	45	0	$ 4,500	$ -	$ 4,500
31	Tradeport Dr	**GM TP 50**	1	45	45	0	$ 4,500	$ -	$ 4,500
32	Tradeport Dr	**GM TP 55**	1	45	45	0	$ 4,500	$ -	$ 4,500
33	Tradeport Dr	**GM TP 60**	1	45	45	0	$ 4,500	$ -	$ 4,500
34	Tradeport Dr	**GM TP 65**	1	45	45	0	$ 4,500	$ -	$ 4,500
35	Tradeport Dr	**GM TP 70**	1	45	45	0	$ 4,500	$ -	$ 4,500
36	Bear Rd	**GM BR 01**	1	45	45	0	$ 4,500	$ -	$ 4,500
37	Bear Rd	**GM BR 05**	1	45	45	0	$ 4,500	$ -	$ 4,500
38	Bear Rd	**GM BR 10**	1	45	45	0	$ 4,500	$ -	$ 4,500
39	Bear Rd	**GM BR 15**	1	45	45	0	$ 4,500	$ -	$ 4,500
SIGNAGE			**40**	**1749**	**1749**	**0**	**$ 174,900**	**$ -**	**$ 174,900**
REMOVAL			**40**						**$ 20,000**
MOT			**40**						**$ 4,000**
TOTAL									**$ 198,900**

100	**(New $/SF)**
75	**(Overlay $/SF)**
500	**Removal Location / EA**
100	**MOT Location / EA**

BULLETIN

PROJECT NO. & NAME:	G-00049, Repair and Replace Faded Roadway Signage – Tradeport Dr Bear Rd, Casa Verde Rd, & Cargo Rd (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:	4/28/26	
CONTRACTOR:	Baron International, LLC, dba, Baron Sign Manufacturing	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	The Corradino Group, Inc.	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative.** The Scope of work is to replace the ground mounted signs with new aluminum panels and associated vinyl and zee bar. Locations are as noted in attached scope definition documents on Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. 95% and 100% Design Submittals required for the roadway signage with respect to text and colors as noted in the scope definition documents attached. Note that is this project is split into two packages and design submittals should be structured accordingly. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.

	☐ Design E&O	Click or tap here to enter text.
	☐ Other	Click or tap here to enter text.

☒ **ATTACHMENTS INCLUDED:**

Discipline	Drawing No.	Revision Date	Revision Narrative
Wayfinding	Part 1	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Part 2	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Location Map-V2	03/06/2026	Location Map

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

G-00049

Ground Mounted Roadway Sign Updates PART 1 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	*DAN GIORDANO*
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

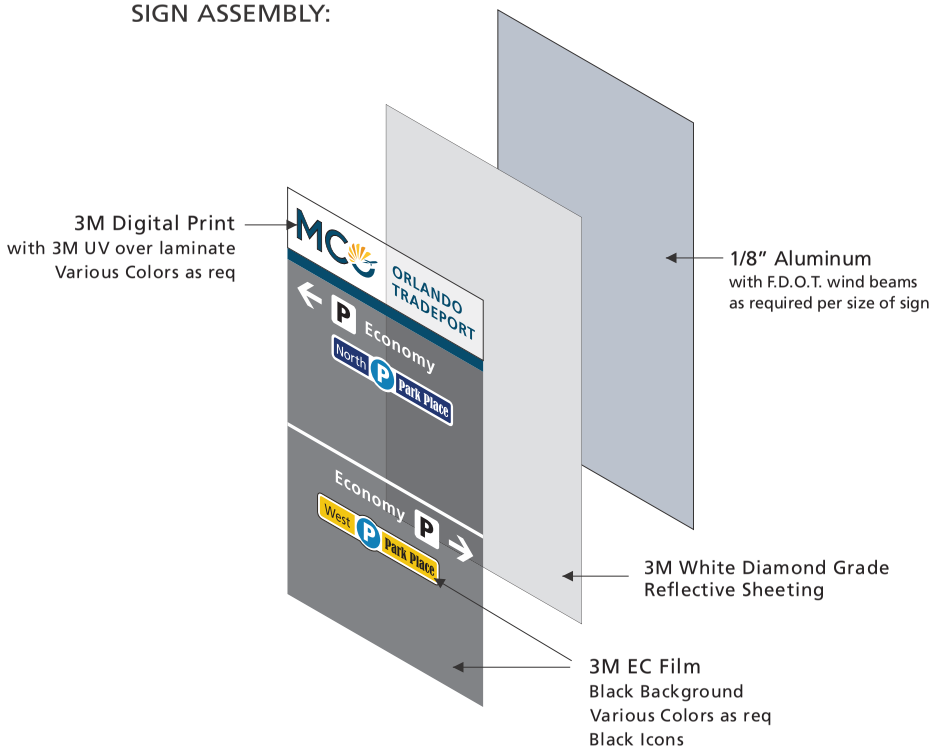
G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

01.01 - Cover
01.02 - Index & Sign Assembly
01.03 - Project Details
01.04 - Graphic Details
01.05 thru 01.42 - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

SIGN ASSEMBLY:



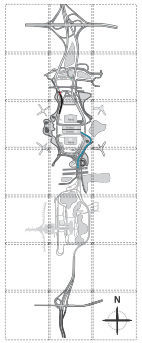
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.02

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

General Notes:
The awarded contractor shall be responsible for construction, including but not limited to, survey, design, and preparation of all documentation related to the acquisition of all permits. They shall coordinate all utility relocations, be responsible for construction, and maintenance of traffic during construction, requirements relative to project management, scheduling, and coordination with other agencies and entities such as state and local government, utilities and the public.

The contractor shall demonstrate good project management practices while working on this project. These include written communication with GOAA's OAR team and others as necessary, management of time and resources, and documentation.

The contractor shall secure and submit for conformance sign panel and sign shop drawings and calculations for each location. The shop drawings shall include the design of all related components and fasteners. The shop drawings shall be signed and sealed by a structural engineer licensed in the state of Florida.

The contractor shall provide this basis of design:
Aluminum sign panels and support beams per current FDOT index 11300.
Signs and sign structures are to have a wind load of 150 mph.

New sign panels that replace existing ones or new sign panels added to an existing structure shall use the vertical hanger supports.

All signs shall receive a panel designation and date decal on the back of panel in lower right corner of the sign using a highly reflective 3M material with UV over laminate. All structures shall receive their structure number designation 6 to 8 feet above grade on the back side of structure using a highly reflective 3M material with UV over laminate. The letters shall be 3.75" high black on a yellow background and shall be highly reflective.

Recycle all removed aluminum and provide credit back to GOAA.

Landscape and Finish work:
Awarded contractor shall return the surrounding area to pre-construction condition including grading, positive drainage away from structure, irrigation, utilities, and landscape.

Quality Control:
A GOAA representative shall review all panels for final approval at an on site staging area prior to installation.

Reference Publications:
1. State of Florida Department of Transportation Design Standards for Design, Construction, maintenance and utility operations, latest edition.
2. Manual on Uniform Traffic Control Devices, latest edition.
3. Standard Highway Sign Manual, latest edition.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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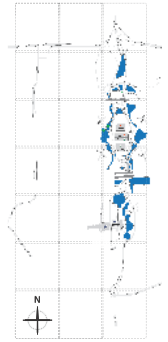
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Project Details

Drawing No.

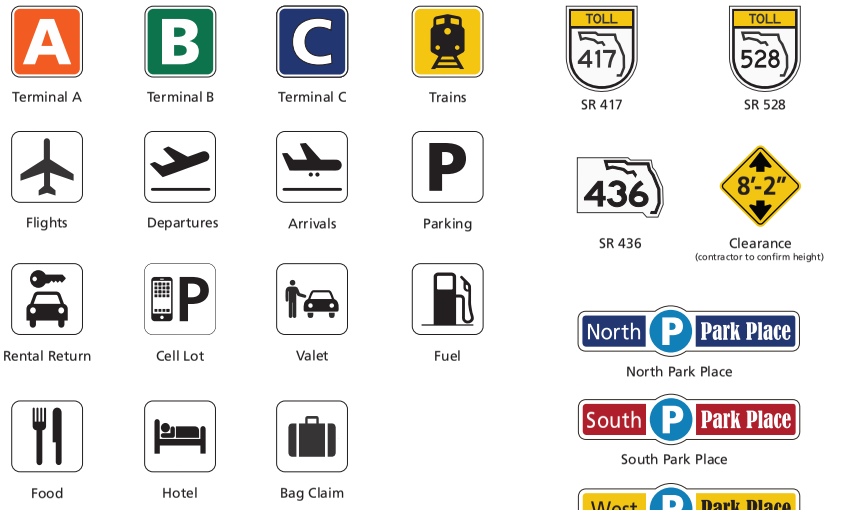
01.03

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

COLORS:

- 3M 4090 Diamond Grade
- 3M 1179 EC Transparent Brown
- 3M 1178 EC Black
- 3M 1177 EC Transparent Green
- 3M 1175 EC Transparent Blue
- 3M 1174 EC Transparent Orange
- 3M 1172 EC Transparent Red
- 3M 1171 EC Transparent Yellow
- 3M 7690 Translucent Digital Print Euro Blue with UV Over Laminate

SYMBOLOGY:

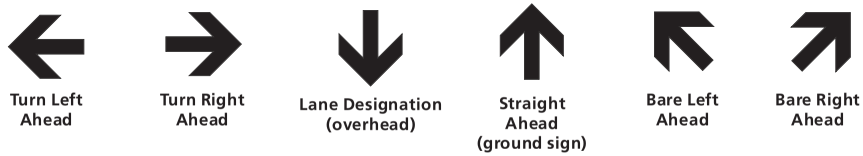


TYPOGRAPHY:

Frutiger 65 Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
;:'",.<>/?!@#$%^&*()-=+\|
1234567890

DIRECTIONAL ARROWS:



ORLANDO INTERNATIONAL AIRPORT LOGO (MCO):

3M Digital Print with 3M UV Overlam

Graphic Materials:
Materials placed on the panels shall be per above color chart using 3M DG 4090 series reflective sheeting and 3M electronic cuttable film 1170 series. Signs of like background color on the same structure are to use same roll of that color to insure a consistent shade of that color for that set of signs. Graphic materials to be applied to the aluminum panels, preferably by a certified 3M facility. Paint all exposed face of sign screw heads the color of the sign area where they land.

Provide physical mock up of a GM sign for GOAA approval prior to fabrication (scaled down to 2' tall).

Provide physical mock ups of each color on 4" x 4" x .125" aluminum for GOAA approval.

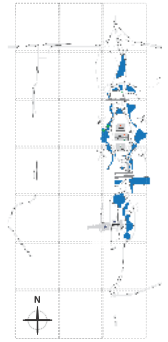
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Graphic Details

Drawing No.

01.04

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

1 Existing Elevation View (GM.TP.01)
Not to Scale

1 Concept Elevation View (GM.TP.01)
Not to Scale

1 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
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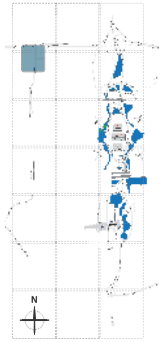
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

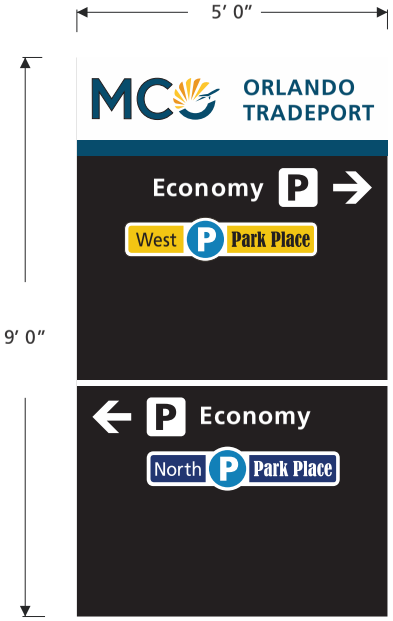
Drawing Title:

GM-TP-01

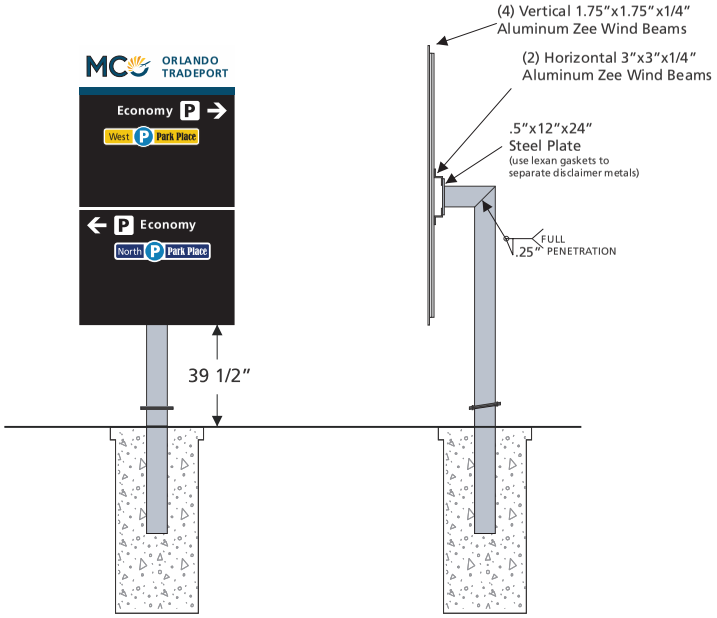
Drawing No.

01.05

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



1 New Layout View
Scale is 1/2″ = 1′



1 Front Elevation View
Scale is 1/4″ = 1′

1 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

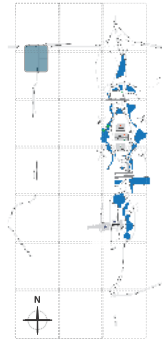
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-01

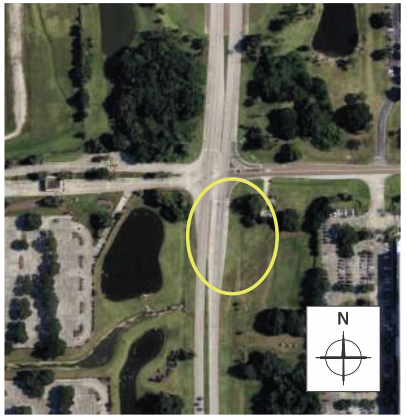
Drawing No.

01.06

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

2 Existing Elevation View (GM.TP.05)
Not to Scale

2 Concept Elevation View (GM.TP.05)
Not to Scale



2 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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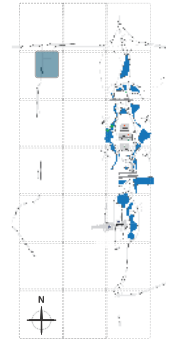
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

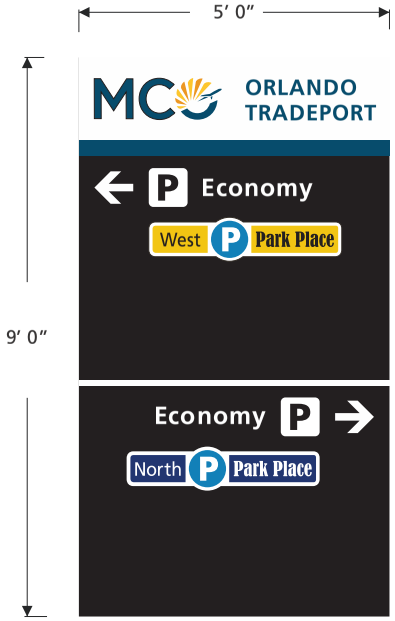
Drawing Title:

GM-TP-05

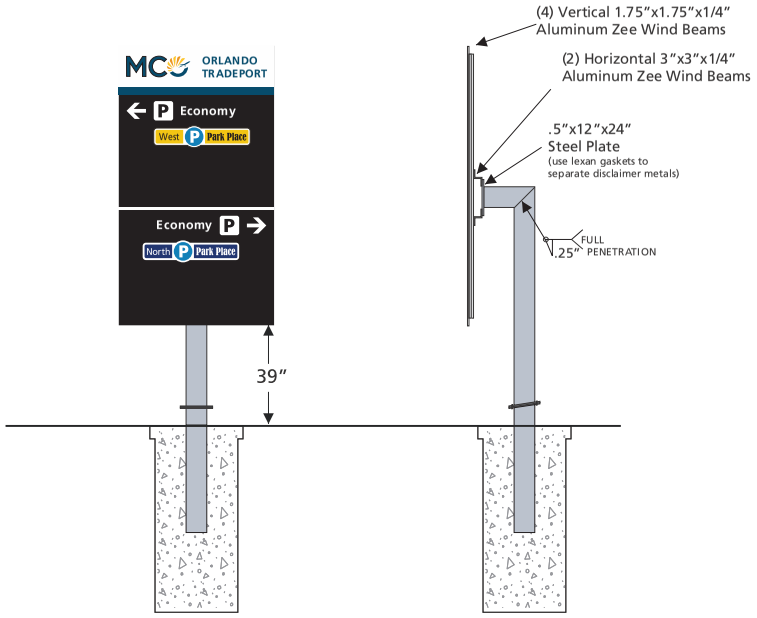
Drawing No.

01.07

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



2 New Layout View
Scale is 1/2″ = 1′



2 Front Elevation View
Scale is 1/4″ = 1′

2 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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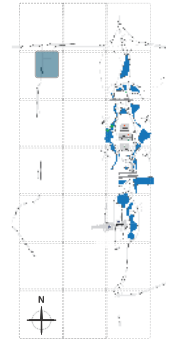


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-05

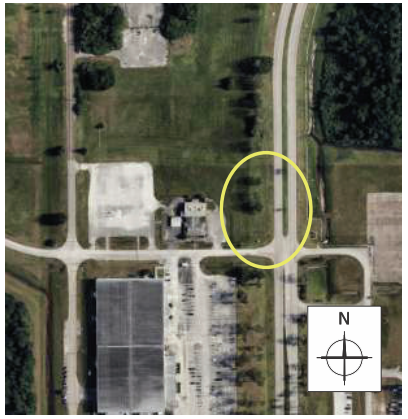
Drawing No.

01.08

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

3 Existing Elevation View (GM.TP.10)
Not to Scale

3 Concept Elevation View (GM.TP.10)
Not to Scale



3 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
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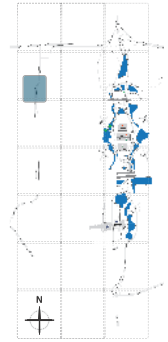
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

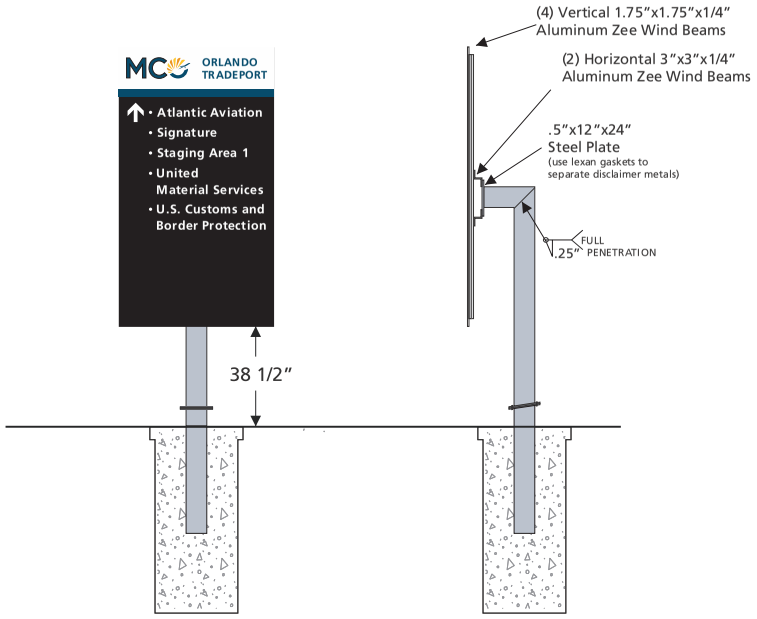
GM-TP-10

Drawing No.

01.09

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

3 New Layout View
Scale is 1/2″ = 1′



3 Front Elevation View
Scale is 1/4″ = 1′

3 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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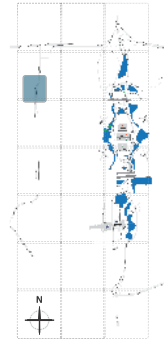


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

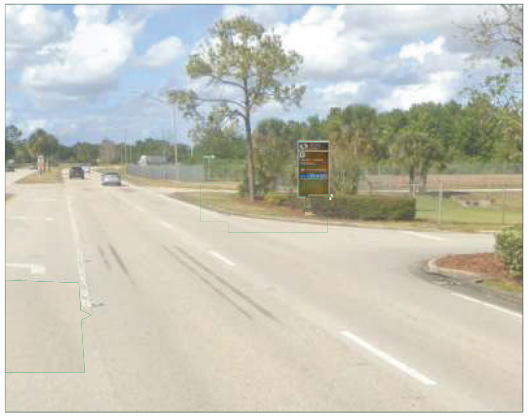
Drawing Title:

GM-TP-10

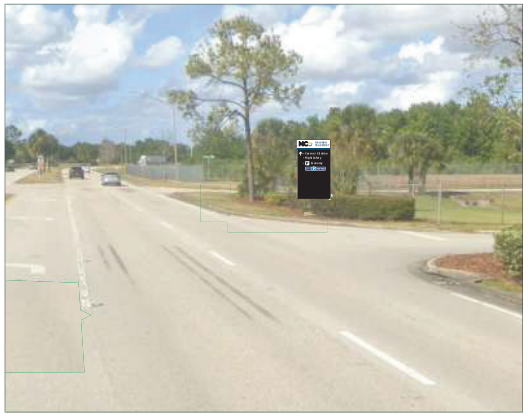
Drawing No.

01.10

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



4 Existing Elevation View (GM.TP.15)
Not to Scale



4 Concept Elevation View (GM.TP.15)
Not to Scale

4 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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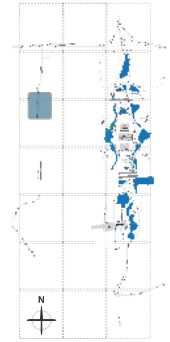
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

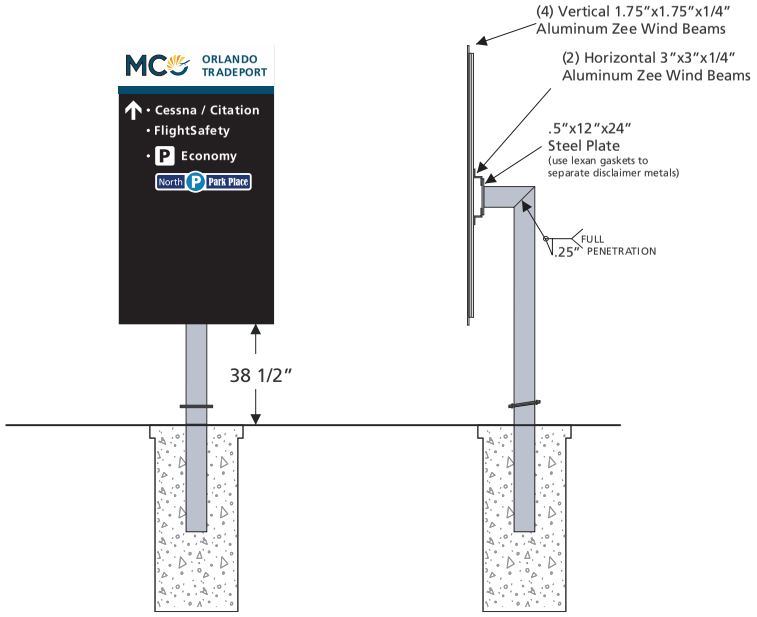
GM-TP-15

Drawing No.

01.11

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

4 New Layout View
Scale is 1/2″ = 1′



4 Front Elevation View
Scale is 1/4″ = 1′

4 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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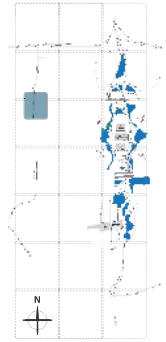
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-15

Drawing No.

01.12

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

5 Existing Elevation View (GM.TP.20)
Not to Scale

5 Concept Elevation View (GM.TP.20)
Not to Scale

5 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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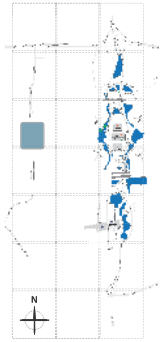
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

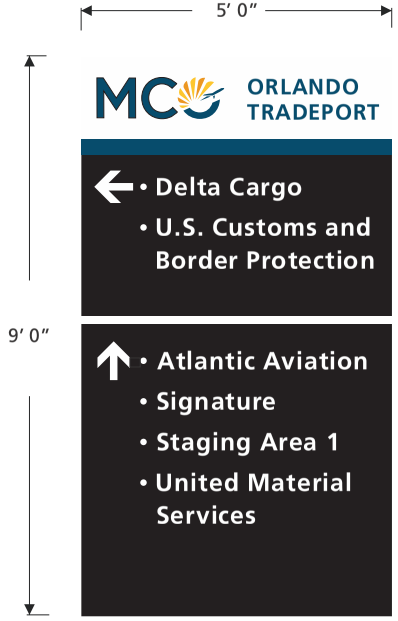
Drawing Title:

GM-TP-20

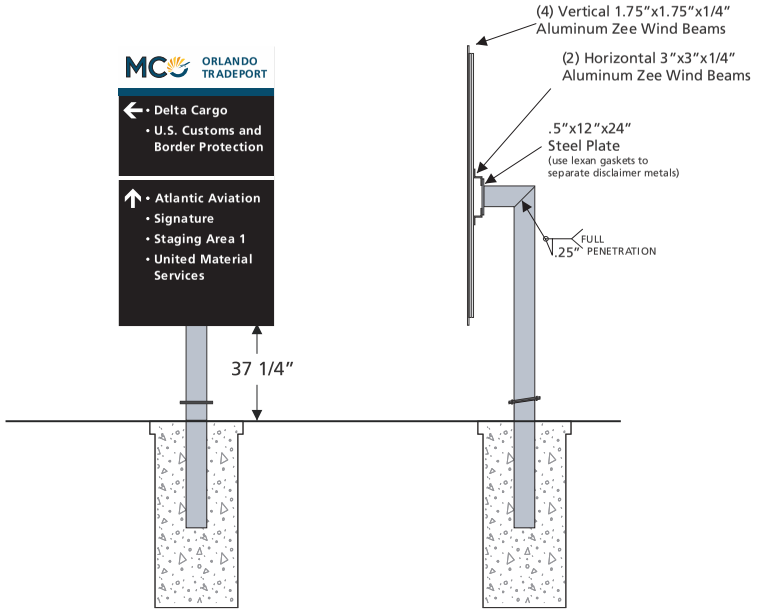
Drawing No.

01.13

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



5 New Layout View
Scale is 1/2″ = 1′



5 Front Elevation View
Scale is 1/4″ = 1′

5 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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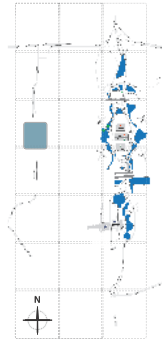
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

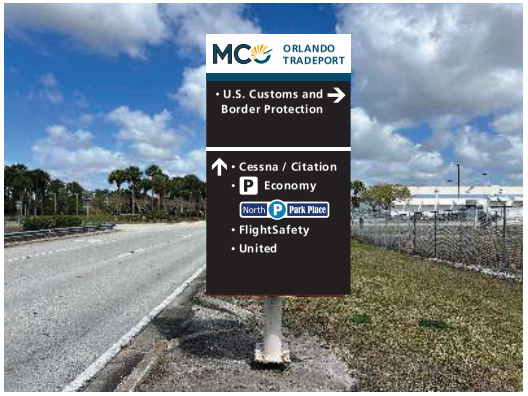
GM-TP-20

Drawing No.

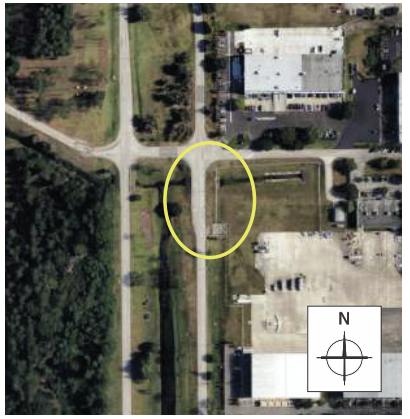
01.14

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

6 Existing Elevation View (GM.TP.25)
Not to Scale



6 Concept Elevation View (GM.TP.25)
Not to Scale



6 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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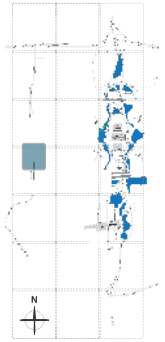
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

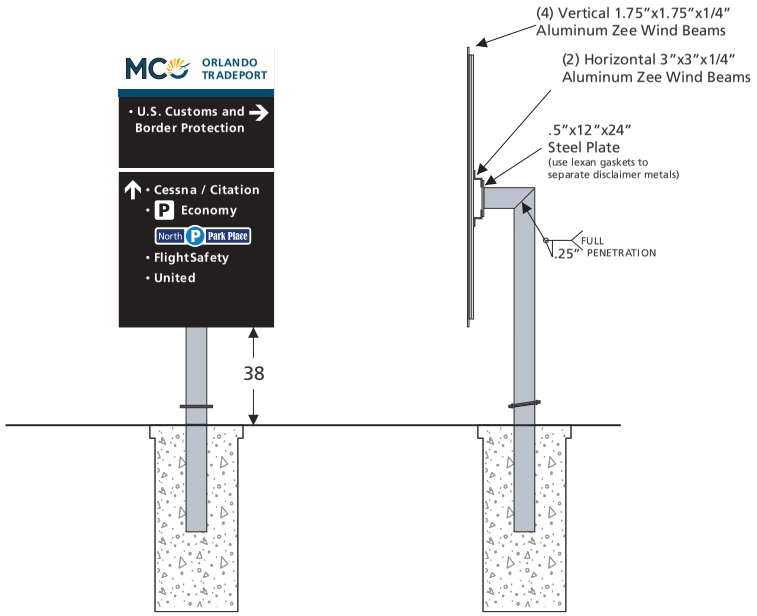
GM-TP-25

Drawing No.

01.15

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

6 New Layout View
Scale is 1/2″ = 1′



6 Front Elevation View
Scale is 1/4″ = 1′

6 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

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G-0049
Ground Mounted Roadway Signage Updates

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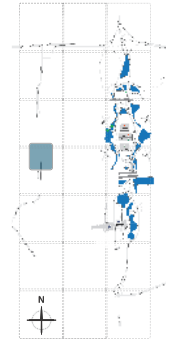

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-25

Drawing No.

01.16

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

7 Existing Elevation View (GM.TP.30)
Not to Scale

7 Concept Elevation View (GM.TP.30)
Not to Scale

7 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

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Ground Mounted Roadway Signage Updates

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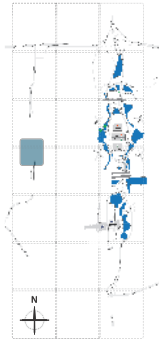
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

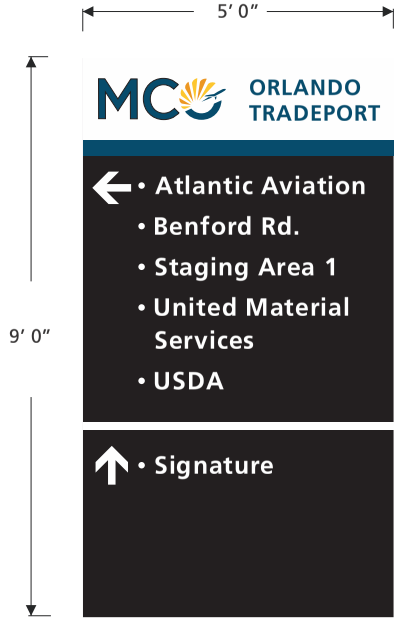
Drawing Title:

GM-TP-30

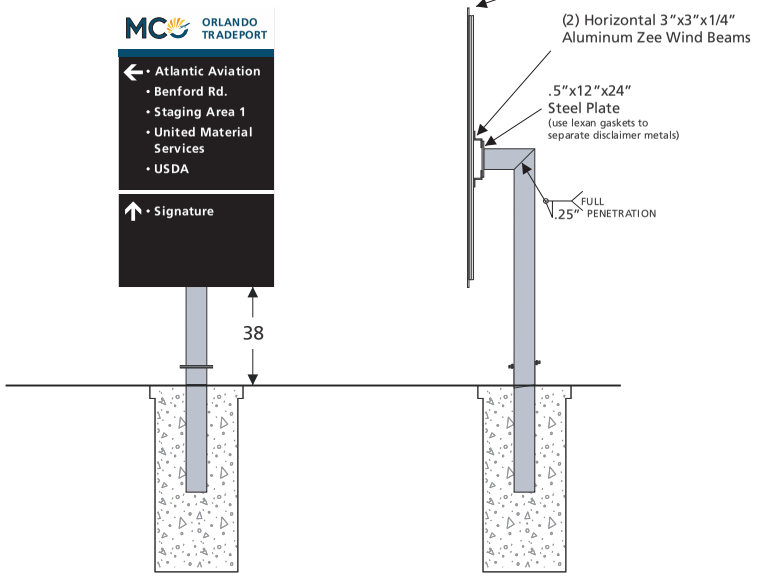
Drawing No.

01.17

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



7 New Layout View
Scale is 1/2″ = 1′



7 Front Elevation View
Scale is 1/4″ = 1′

7 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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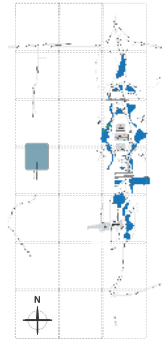
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-30

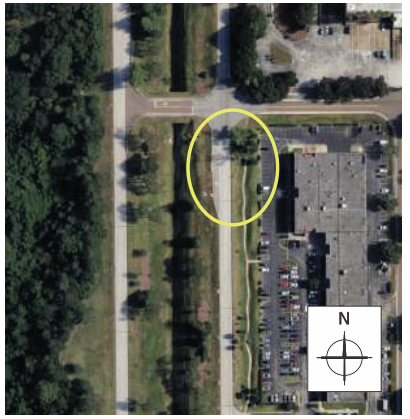
Drawing No.

01.18

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

8 Existing Elevation View (GM.TP.35)
Not to Scale

8 Concept Elevation View (GM.TP.35)
Not to Scale



8 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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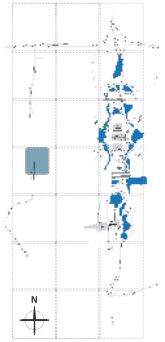
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

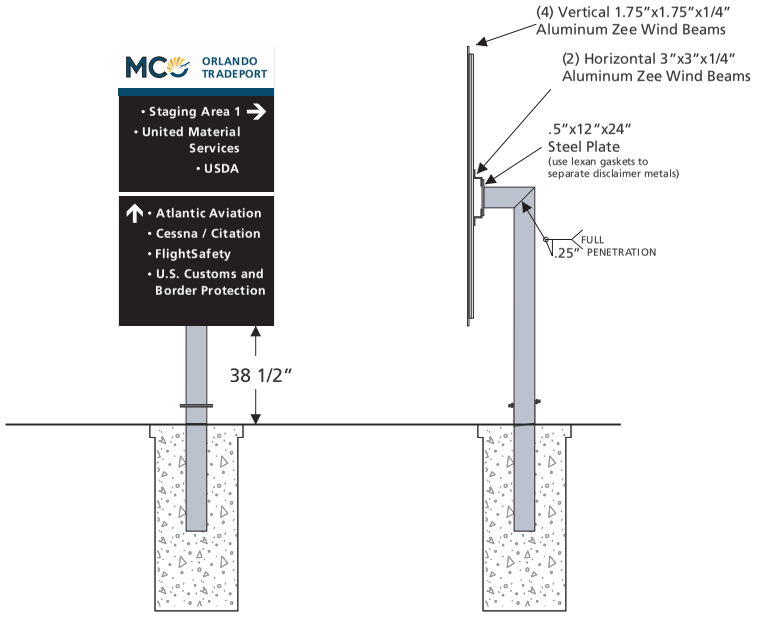
GM-TP-35

Drawing No.

01.19

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

8 New Layout View
Scale is 1/2″ = 1′



8 Front Elevation View
Scale is 1/4″ = 1′

8 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

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G-0049
Ground Mounted Roadway Signage Updates

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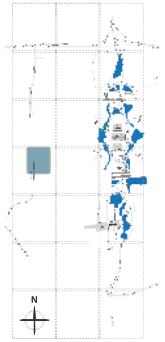
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-35

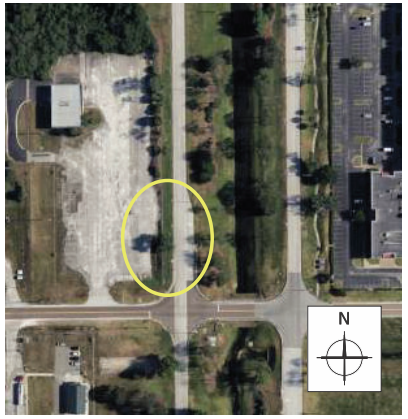
Drawing No.

01.20

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

9 Existing Elevation View (GM.TP.40)
Not to Scale

9 Concept Elevation View (GM.TP.40)
Not to Scale



9 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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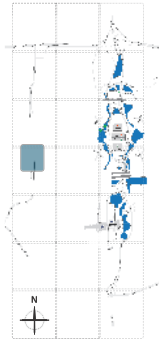
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

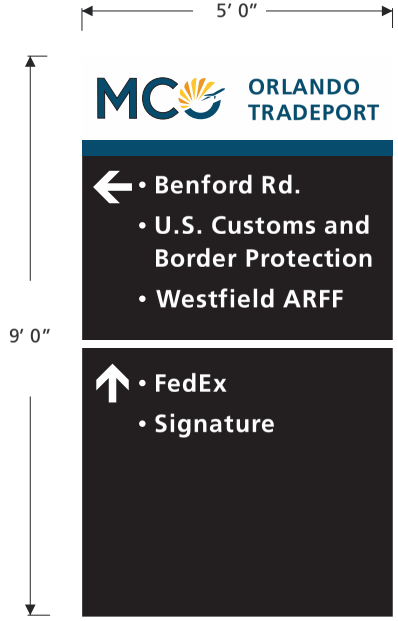
Drawing Title:

GM-TP-40

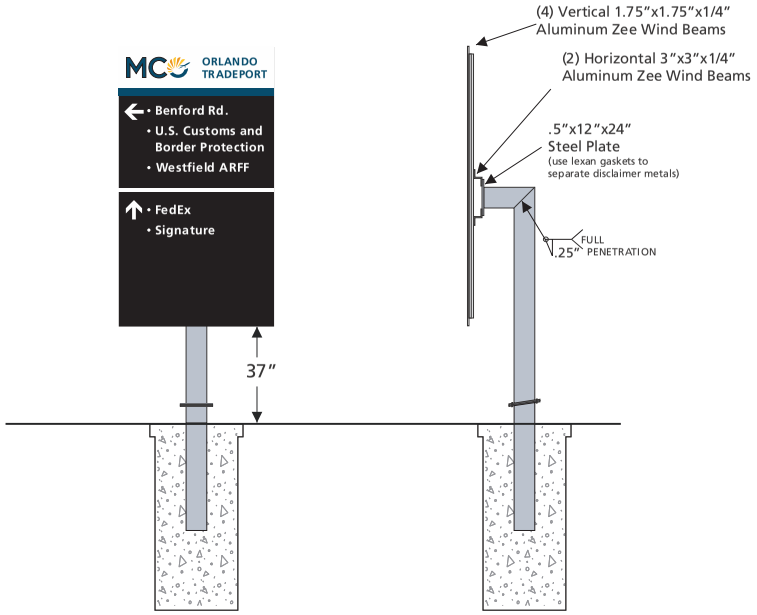
Drawing No.

01.21

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



9 New Layout View
Scale is 1/2″ = 1′



9 Front Elevation View
Scale is 1/4″ = 1′

9 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

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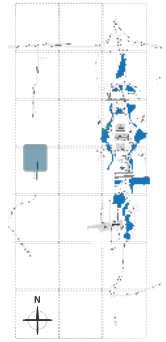


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-40

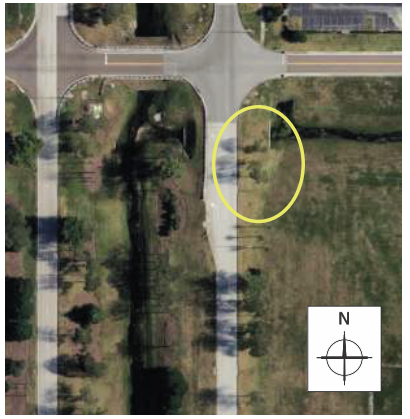
Drawing No.

01.22

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

10 Existing Elevation View (GM.TP.45)
Not to Scale

10 Concept Elevation View (GM.TP.45)
Not to Scale



10 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

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Ground Mounted Roadway Signage Updates

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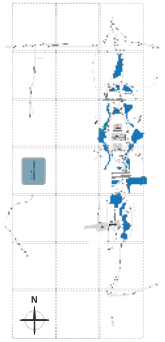
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

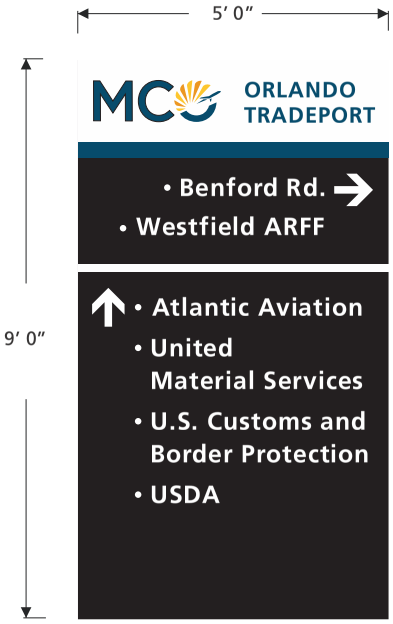
Drawing Title:

GM-TP-45

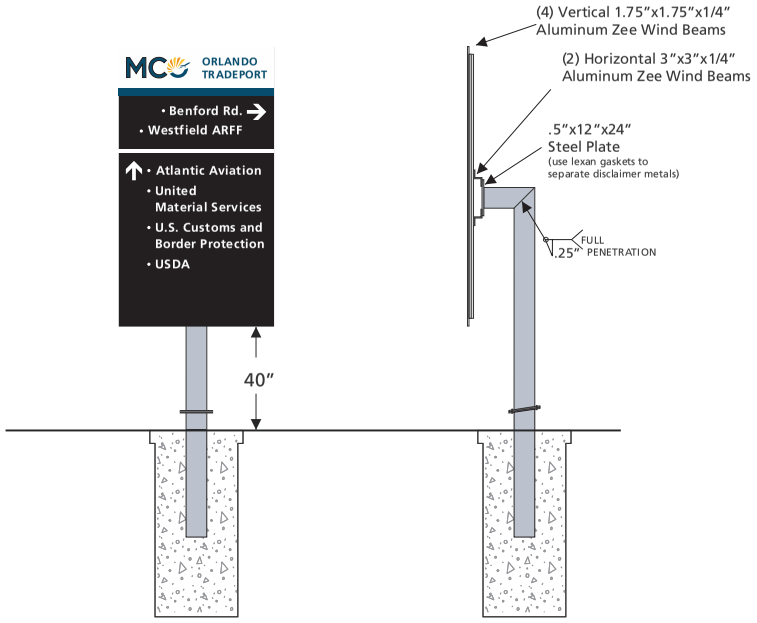
Drawing No.

01.23

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



10 New Layout View
Scale is 1/2″ = 1′



10 Front Elevation View
Scale is 1/4″ = 1′

10 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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Ground Mounted Roadway Signage Updates

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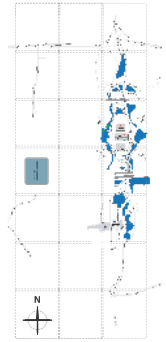
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-45

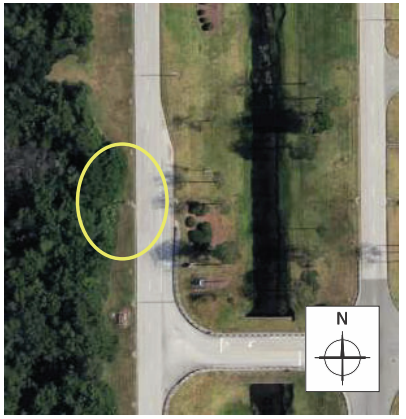
Drawing No.

01.24

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

11 Existing Elevation View (GM.TP.50)
Not to Scale

11 Concept Elevation View (GM.TP.50)
Not to Scale



11 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

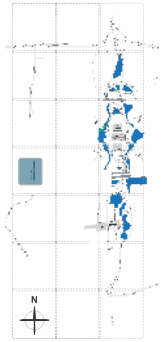
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

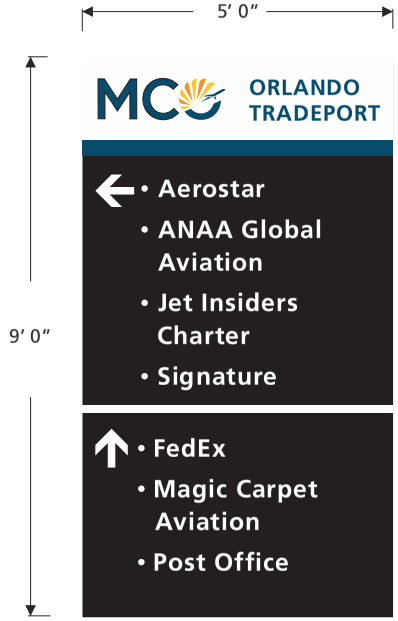
Drawing Title:

GM-TP-50

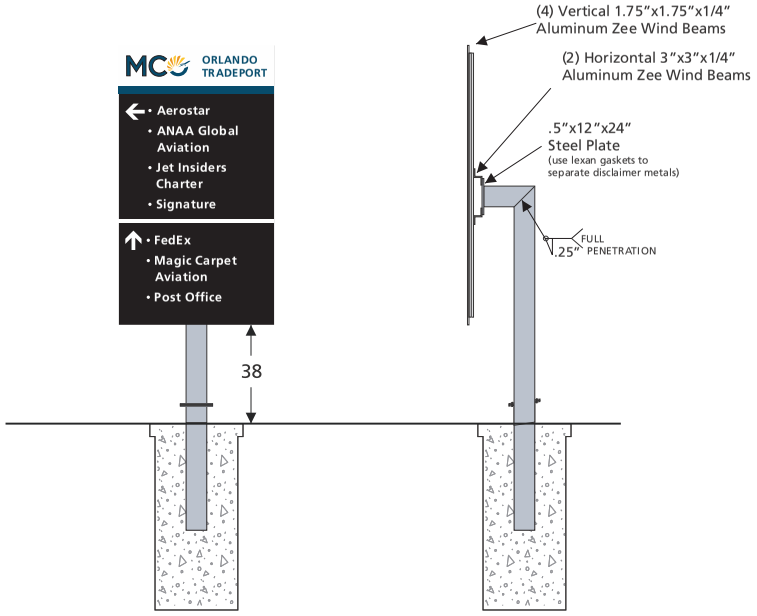
Drawing No.

01.25

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



11 New Layout View
Scale is 1/2" = 1'



11 Front Elevation View
Scale is 1/4" = 1'

11 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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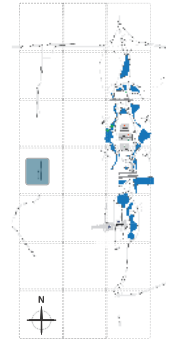
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-50

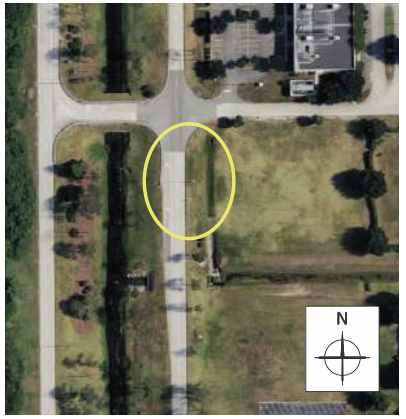
Drawing No.

01.26

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

12 Existing Elevation View (GM.TP.55)
Not to Scale

12 Concept Elevation View (GM.TP.55)
Not to Scale



12 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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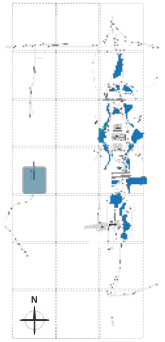
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

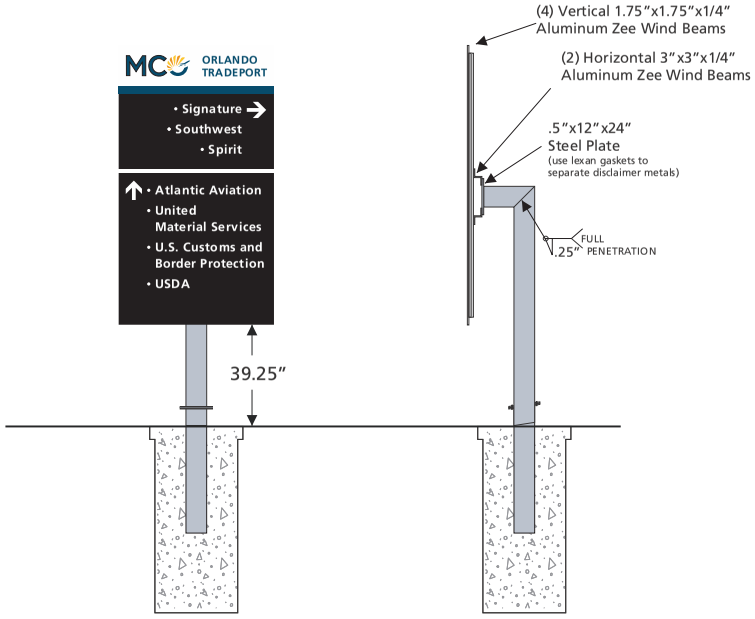
GM-TP-55

Drawing No.

01.27

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

12 New Layout View
Scale is 1/2″ = 1′



12 Front Elevation View
Scale is 1/4″ = 1′

12 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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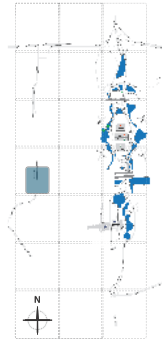


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

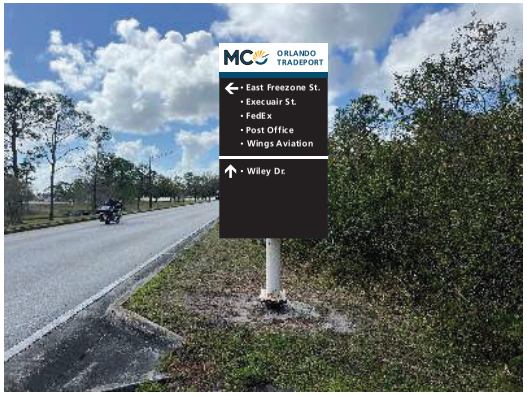
GM-TP-55

Drawing No.

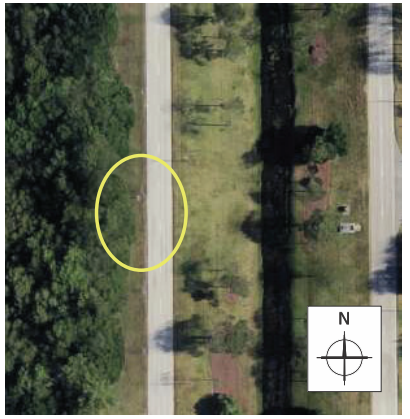
01.28

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

13 Existing Elevation View (GM.TP.60)
Not to Scale



13 Concept Elevation View (GM.TP.60)
Not to Scale



13 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

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G-0049
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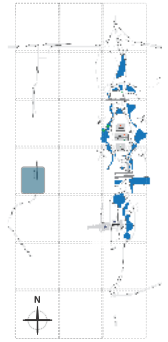


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

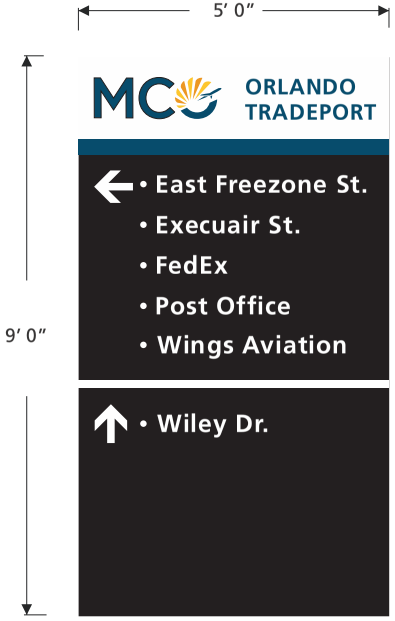
Drawing Title:

GM-TP-60

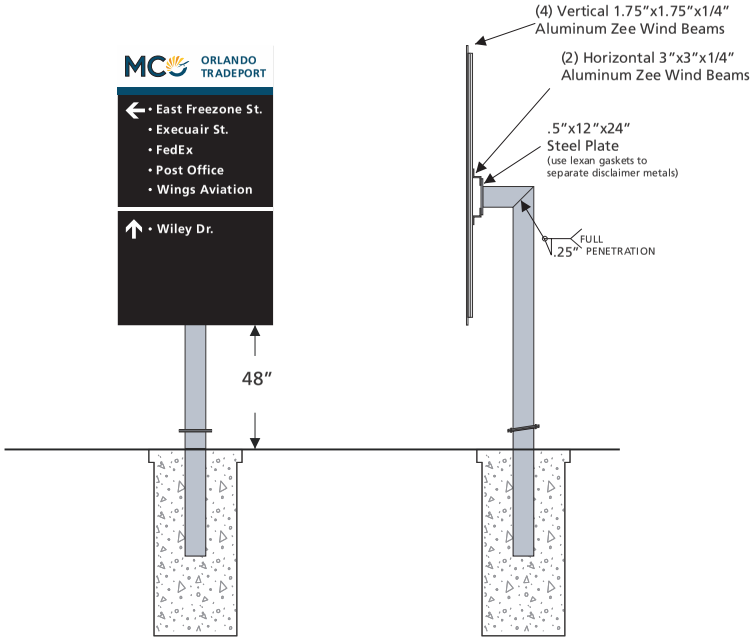
Drawing No.

01.29

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



13 New Layout View
Scale is 1/2″ = 1′



13 Front Elevation View
Scale is 1/4″ = 1′

13 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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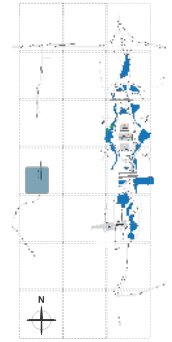
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-60

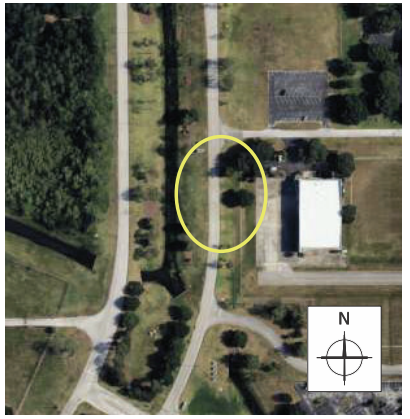
Drawing No.

01.30

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

14 Existing Elevation View (GM.TP.65)
Not to Scale

14 Concept Elevation View (GM.TP.65)
Not to Scale



14 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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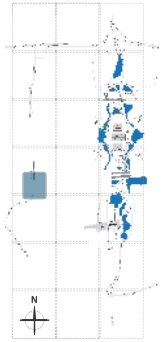


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

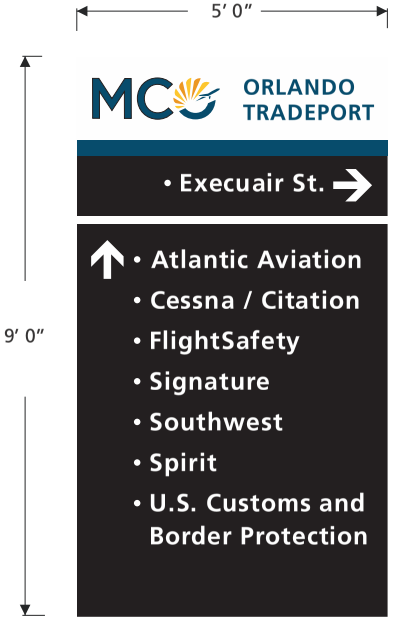
Drawing Title:

GM-TP-65

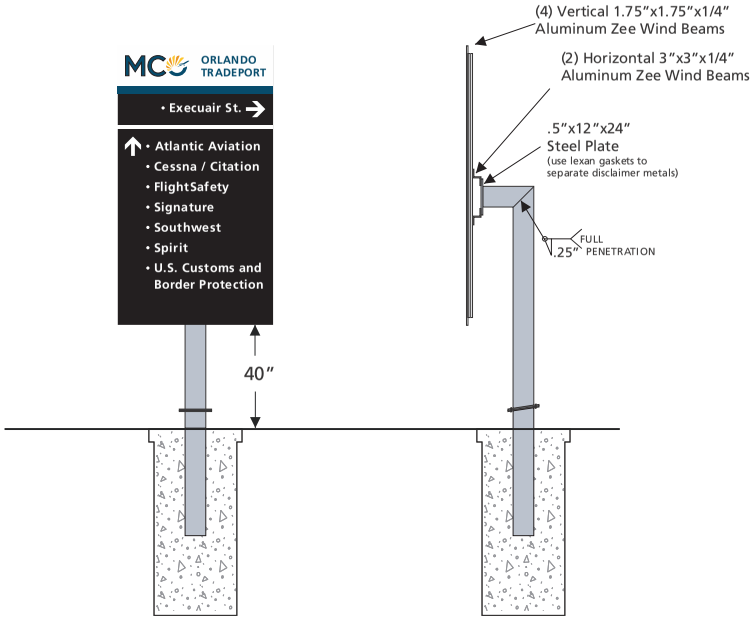
Drawing No.

01.31

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



14 New Layout View
Scale is 1/2″ = 1′



14 Front Elevation View
Scale is 1/4″ = 1′

14 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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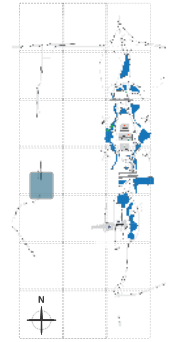
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-65

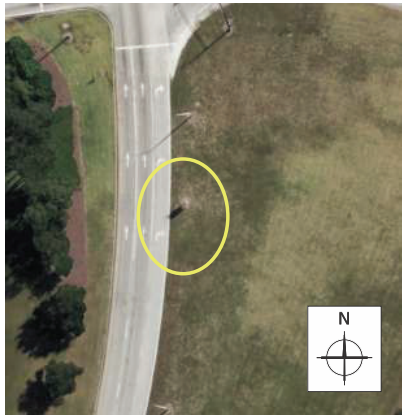
Drawing No.

01.32

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

15 Existing Elevation View (GM.TP.70)
Not to Scale

15 Concept Elevation View (GM.TP.70)
Not to Scale



15 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

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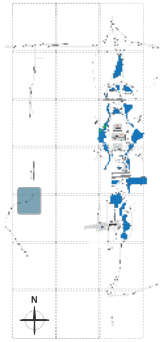
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

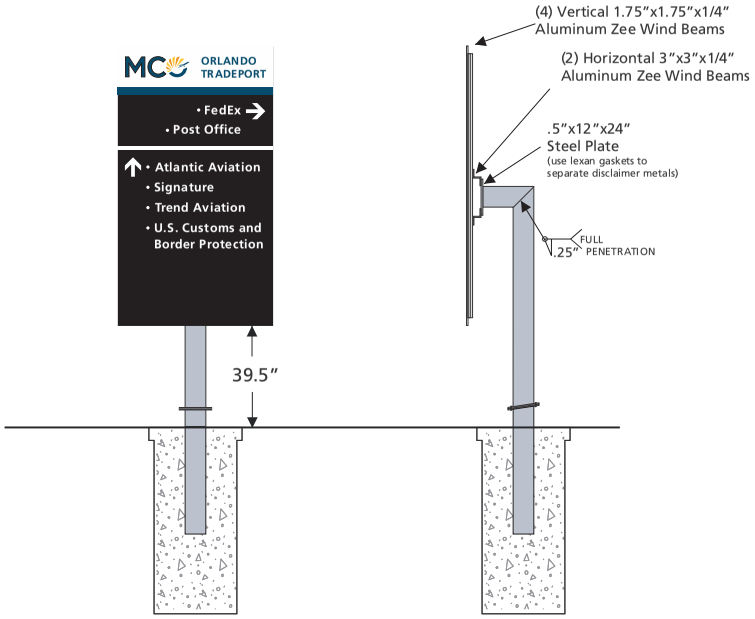
GM-TP-70

Drawing No.

01.33

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

15 New Layout View
Scale is 1/2″ = 1′



15 Front Elevation View
Scale is 1/4″ = 1′

15 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
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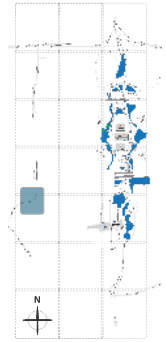


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-70

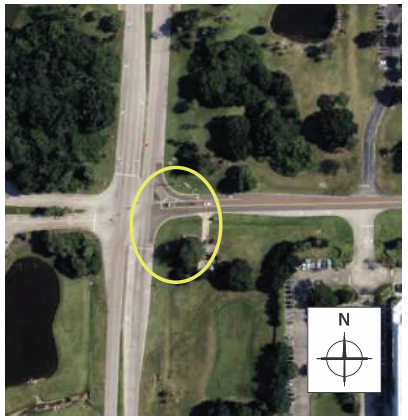
Drawing No.

01.34

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

16 Existing Elevation View (GM.BR.01)
Not to Scale

16 Concept Elevation View (GM.BR.01)
Not to Scale



16 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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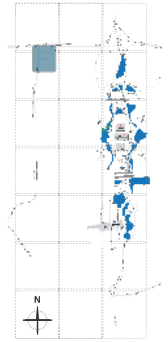


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

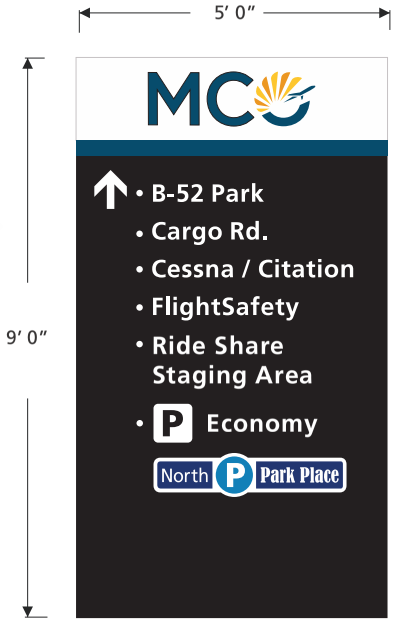
Drawing Title:

GM-BR-01

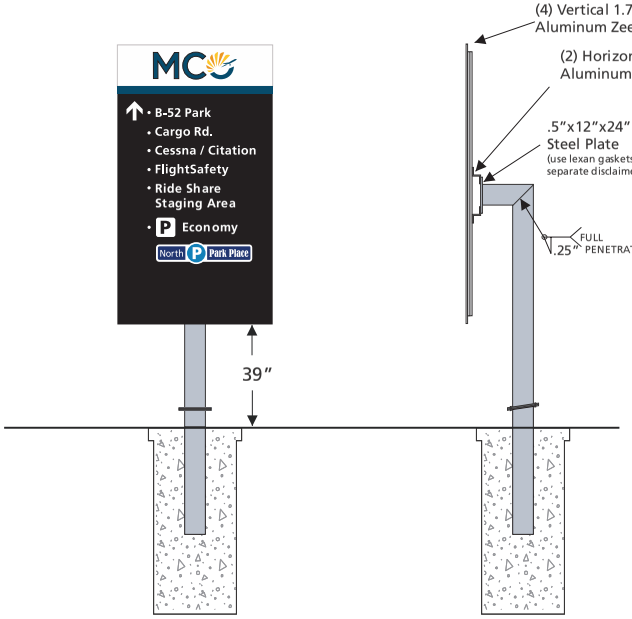
Drawing No.

01.35

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



16 New Layout View
Scale is 1/2″ = 1′



16 Front Elevation View
Scale is 1/4″ = 1′

16 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
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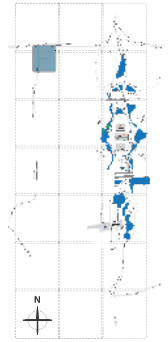


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

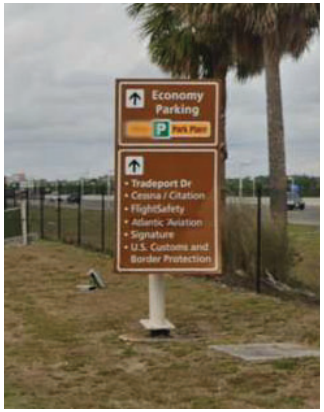
Drawing Title:

GM-BR-01

Drawing No.

01.36

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



17 Existing Elevation View (GM.BR.05)
Not to Scale

17 Concept Elevation View (GM.BR.05)
Not to Scale

17 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

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Ground Mounted Roadway Signage Updates

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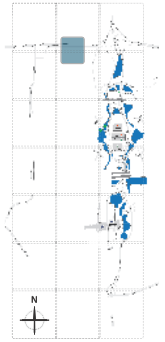


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

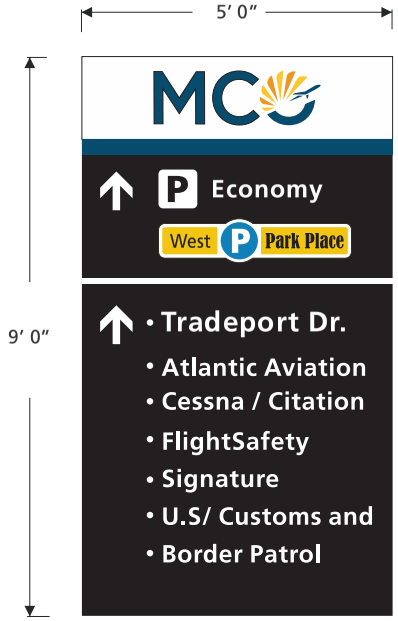
Drawing Title:

GM-BR-05

Drawing No.

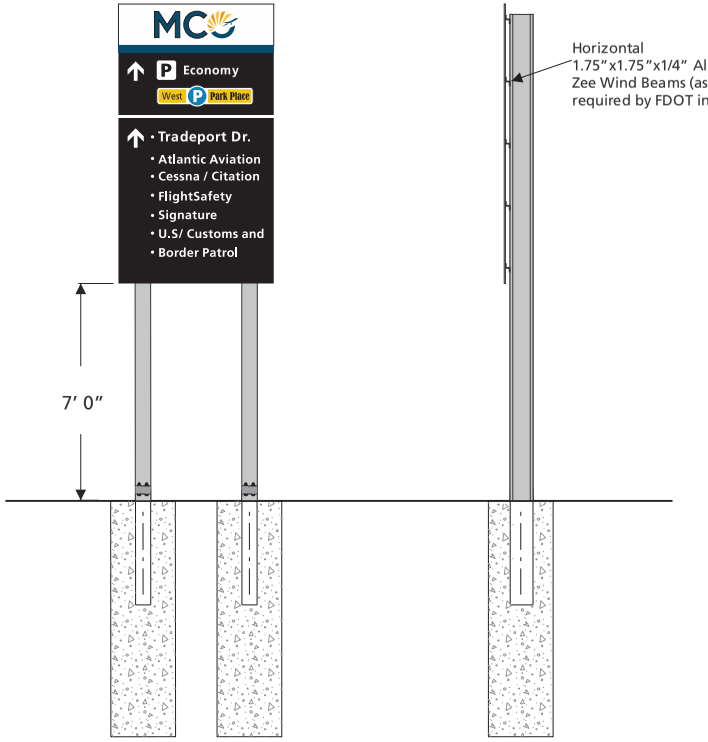
01.37

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



17 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



17 Front Elevation View
Scale is 1/4″ = 1′

17 Side Elevation View
Scale is 1/4″ = 1′

Orlando International Airport

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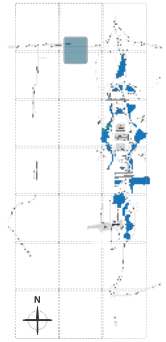
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-05

Drawing No.

01.38

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

18 Existing Elevation View (GM.BR.10)
Not to Scale

18 Concept Elevation View (GM.BR.10)
Not to Scale

18 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
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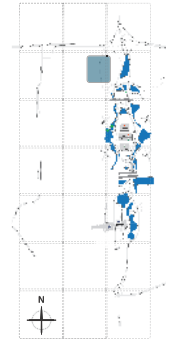
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

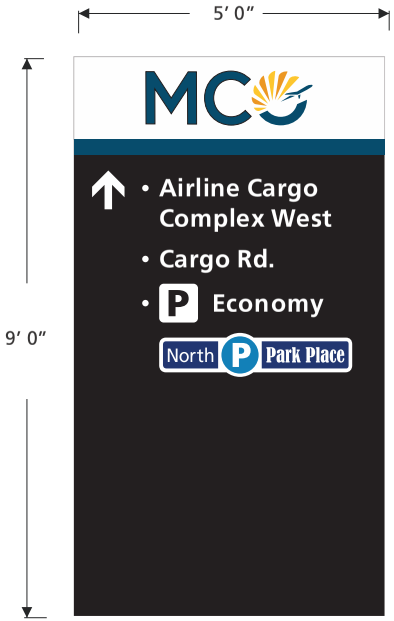
Drawing Title:

GM-BR-10

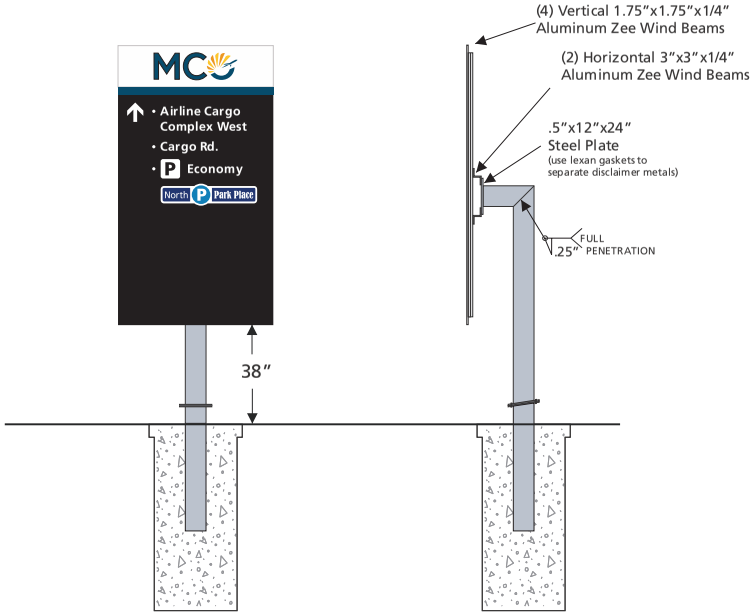
Drawing No.

01.39

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



18 New Layout View
Scale is 1/2″ = 1′



18 Front Elevation View
Scale is 1/4″ = 1′

18 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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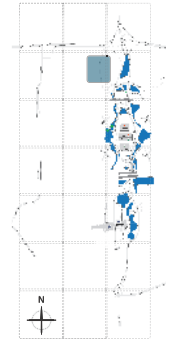
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

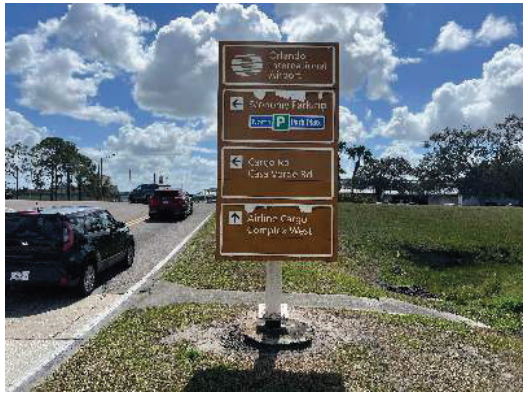
Drawing Title:

GM-BR-10

Drawing No.

01.40

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1



19 Existing Elevation View (GM.BR.15)
Not to Scale

19 Concept Elevation View (GM.BR.15)
Not to Scale

19 Concept Site View
Not to Scale

Scope

Remove existing sign (per FDOT recommendations).
Provide and Install (1) new sign.

All locations are approximate.
Final sign construction details by the EOR.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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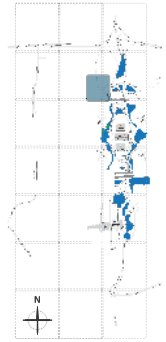


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

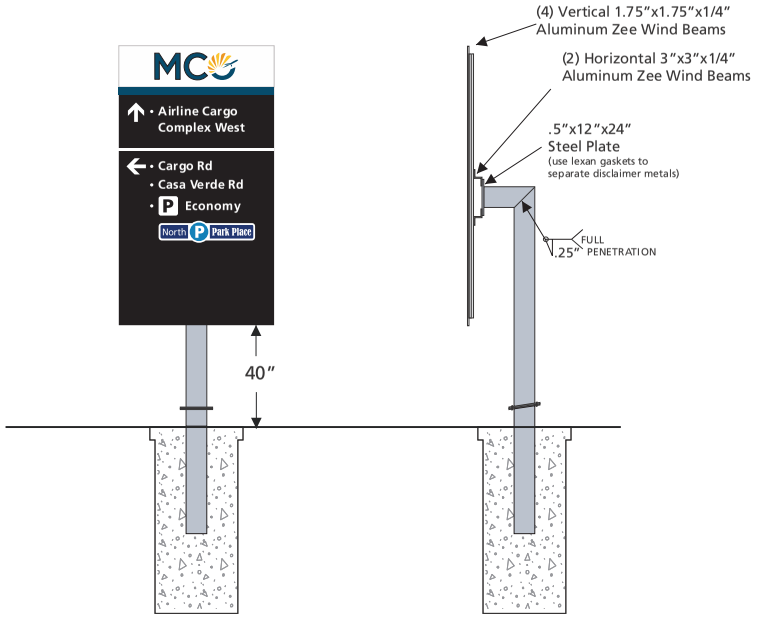
GM-BR-15

Drawing No.

01.41

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 1

19 New Layout View
Scale is 1/2″ = 1′



19 Front Elevation View
Scale is 1/4″ = 1′

19 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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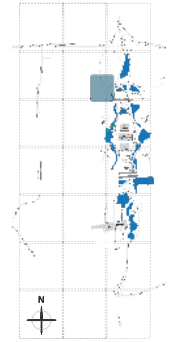
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-15

Drawing No.

01.42

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

G-00049

Ground Mounted Roadway Sign Updates PART 2 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

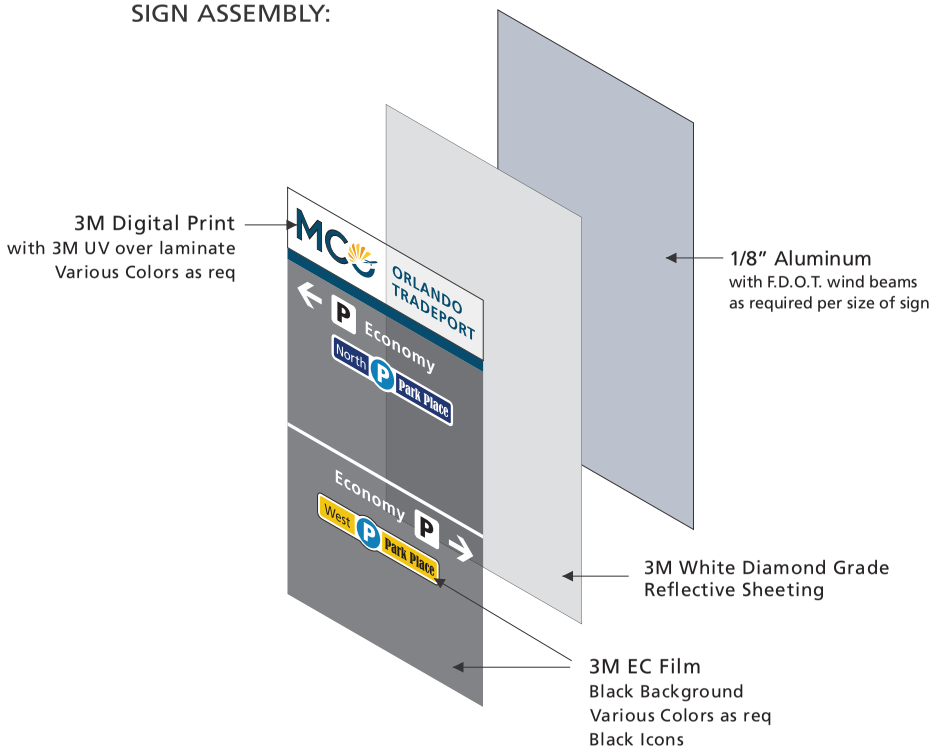
G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

01.43 - Cover
01.44 - Index & Sign Assembly
01.45 - Project Details
01.46 - Graphic Details
01.47 thru 01.XX - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

SIGN ASSEMBLY:



Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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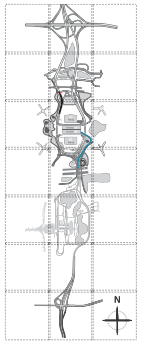
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.44

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

General Notes:
The awarded contractor shall be responsible for construction, including but not limited to, survey, design, and preparation of all documentation related to the acquisition of all permits. They shall coordinate all utility relocations, be responsible for construction, and maintenance of traffic during construction, requirements relative to project management, scheduling, and coordination with other agencies and entities such as state and local government, utilities and the public.

The contractor shall demonstrate good project management practices while working on this project. These include written communication with GOAA's OAR team and others as necessary, management of time and resources, and documentation.

The contractor shall secure and submit for conformance sign panel and sign shop drawings and calculations for each location. The shop drawings shall include the design of all related components and fasteners. The shop drawings shall be signed and sealed by a structural engineer licensed in the state of Florida.

The contractor shall provide this basis of design:
Aluminum sign panels and support beams per current FDOT index 11300.
Signs and sign structures are to have a wind load of 150 mph.

New sign panels that replace existing ones or new sign panels added to an existing structure shall use the vertical hanger supports.

All signs shall receive a panel designation and date decal on the back of panel in lower right corner of the sign using a highly reflective 3M material with UV over laminate. All structures shall receive their structure number designation 6 to 8 feet above grade on the back side of structure using a highly reflective 3M material with UV over laminate. The letters shall be 3.75" high black on a yellow background and shall be highly reflective.

Recycle all removed aluminum and provide credit back to GOAA.

Landscape and Finish work:
Awarded contractor shall return the surrounding area to pre-construction condition including grading, positive drainage away from structure, irrigation, utilities, and landscape.

Quality Control:
A GOAA representative shall review all panels for final approval at an on site staging area prior to installation.

Reference Publications:
1. State of Florida Department of Transportation Design Standards for Design, Construction, maintenance and utility operations, latest edition.
2. Manual on Uniform Traffic Control Devices, latest edition.
3. Standard Highway Sign Manual, latest edition.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

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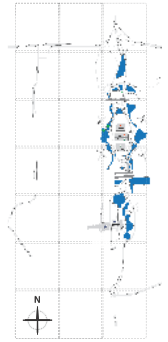
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Project Details

Drawing No.

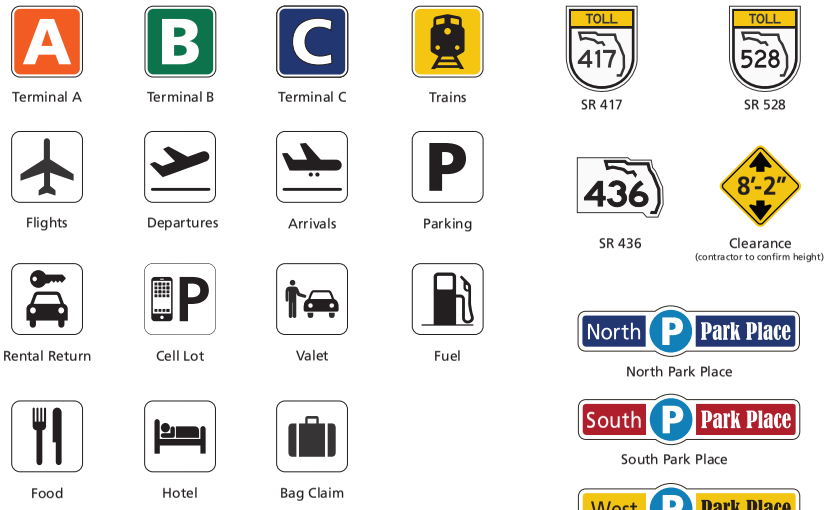
01.45

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

COLORS:

- 3M 4090 Diamond Grade
- 3M 1179 EC Transparent Brown
- 3M 1178 EC Black
- 3M 1177 EC Transparent Green
- 3M 1175 EC Transparent Blue
- 3M 1174 EC Transparent Orange
- 3M 1172 EC Transparent Red
- 3M 1171 EC Transparent Yellow
- 3M 7690 Translucent Digital Print Euro Blue with UV Over Laminate

SYMBOLOGY:

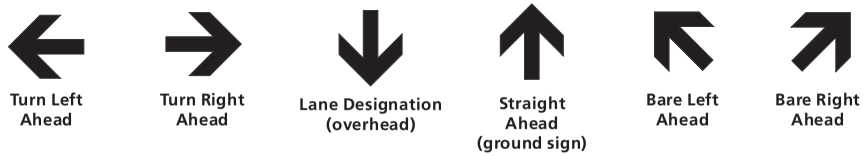


TYPOGRAPHY:

Frutiger 65 Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
;:'",.<>/?!@#$%^&*()-=+\|
1234567890

DIRECTIONAL ARROWS:



ORLANDO INTERNATIONAL AIRPORT LOGO (MCO):

3M Digital Print with 3M UV Overlam

Graphic Materials:
Materials placed on the panels shall be per above color chart using 3M DG 4090 series reflective sheeting and 3M electronic cuttable film 1170 series. Signs of like background color on the same structure are to use same roll of that color to insure a consistent shade of that color for that set of signs. Graphic materials to be applied to the aluminum panels, preferably by a certified 3M facility. Paint all exposed face of sign screw heads the color of the sign area where they land.

Provide physical mock up of a GM sign for GOAA approval prior to fabrication (scaled down to 2' tall).

Provide physical mock ups of each color on 4" x 4" x .125" aluminum for GOAA approval.

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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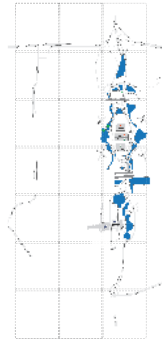
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Graphic Details

Drawing No.

01.46

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

20 Existing Elevation View (GM.CR.01)
Not to Scale

20 Concept Elevation View (GM.CR.01)
Not to Scale

20 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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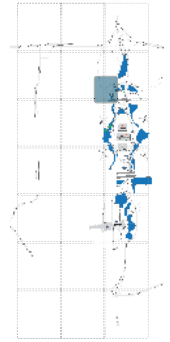
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

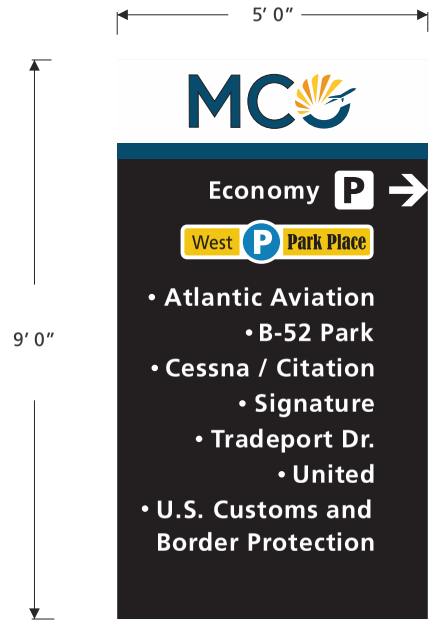
Drawing Title:

GM-CR-01

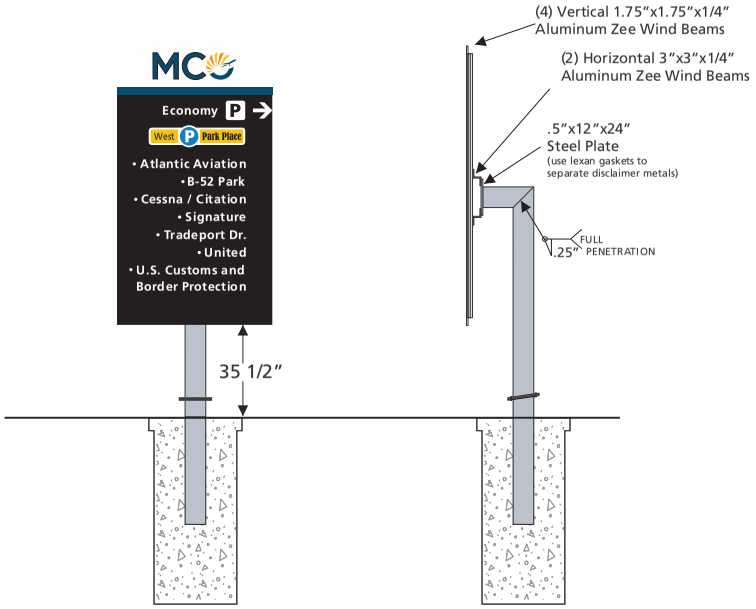
Drawing No.

01.47

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



20 New Layout View
Scale is 1/2″ = 1′



20 Install View
Scale is 1/4″ = 1′

20 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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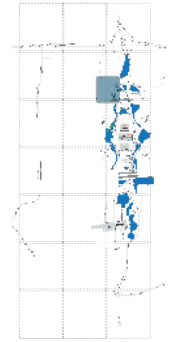
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-01

Drawing No.

01.48

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

21 Existing Elevation View (GM.CR.05)
Not to Scale

21 Concept Elevation View (GM.CR.05)
Not to Scale

21 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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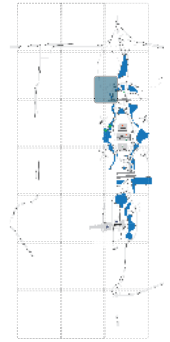


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

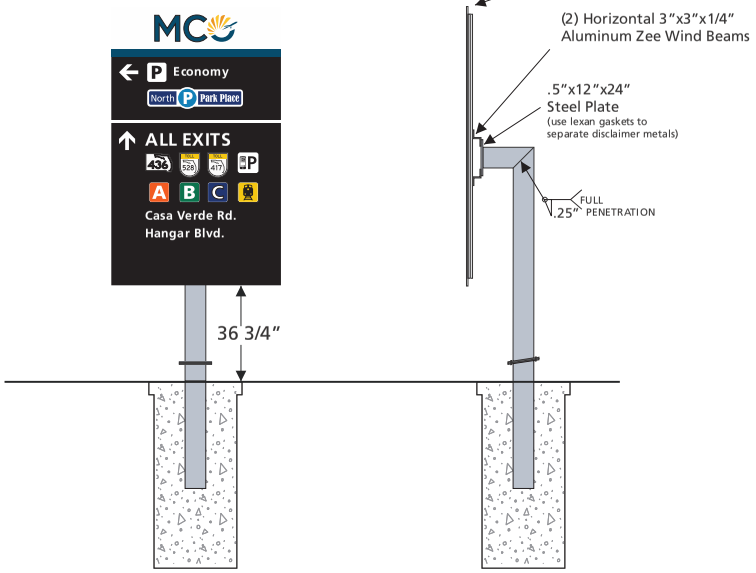
GM-CR-05

Drawing No.

01.49

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

21 New Layout View
Scale is 1/2" = 1'



21 Install View
Scale is 1/4" = 1'

21 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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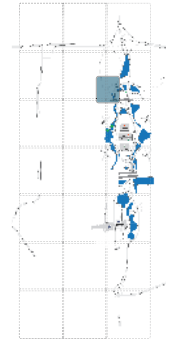


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-05

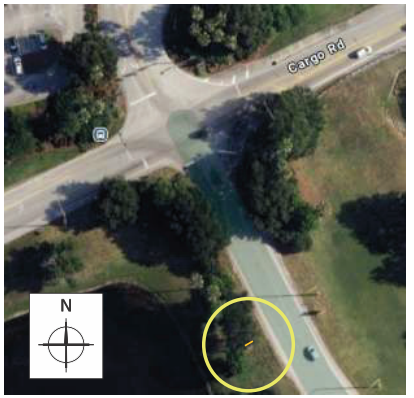
Drawing No.

01.50

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

22 Existing Elevation View (GM.CR.06)
Not to Scale

22 Concept Elevation View (GM.CR.06)
Not to Scale



22 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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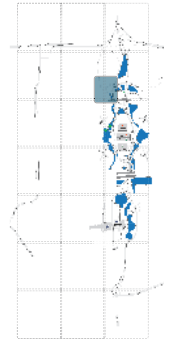


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

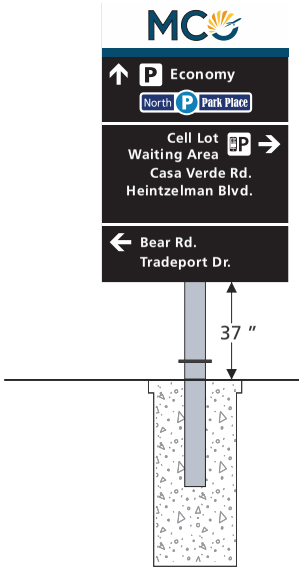
GM-CR-06

Drawing No.

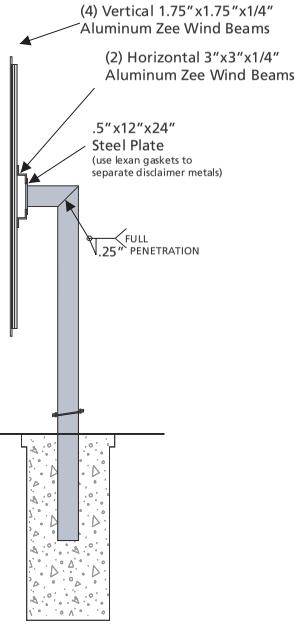
01.51

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

22 New Layout View
Scale is 1/2″ = 1′



22 Install View
Scale is 1/4″ = 1′



22 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
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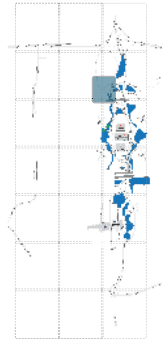
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

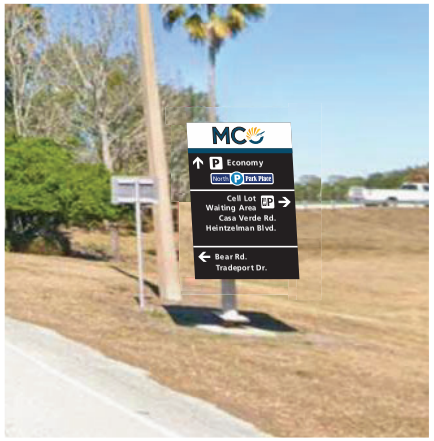
GM-CR-06

Drawing No.

01.52

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

23 Existing Elevation View (GM.CR.07)
Not to Scale



23 Concept Elevation View (GM.CR.07)
Not to Scale

23 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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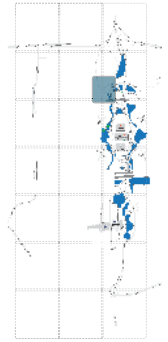
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

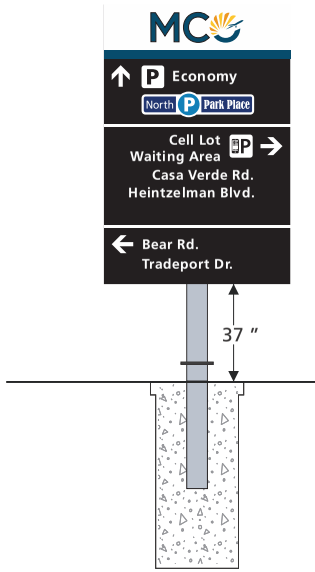
GM-CR-07

Drawing No.

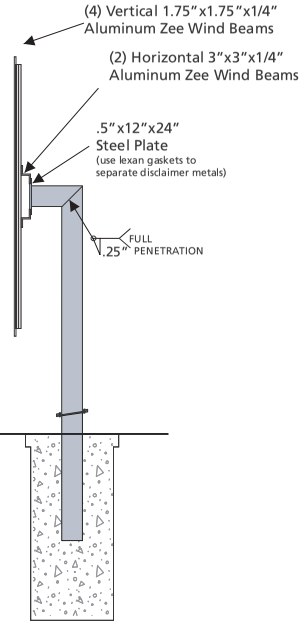
01.53

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

23 New Layout View
Scale is 1/2″ = 1′



23 Install View
Scale is 1/4″ = 1′



23 Side View
Scale is 1/4″ = 1′

Need pics

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G-0049
Ground Mounted Roadway Signage Upgrades

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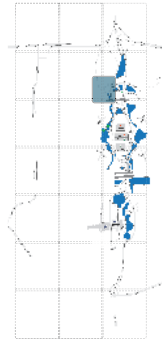
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-07

Drawing No.

01.54

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

24 Existing Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (2) new signS.

Provide M.O.T. as required per latest F.D.O.T. Index
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Final sign construction and attachment details by contractor

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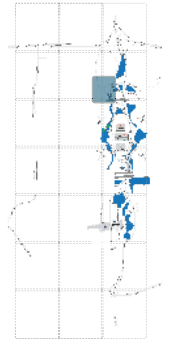
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-01

Drawing No.

01.55

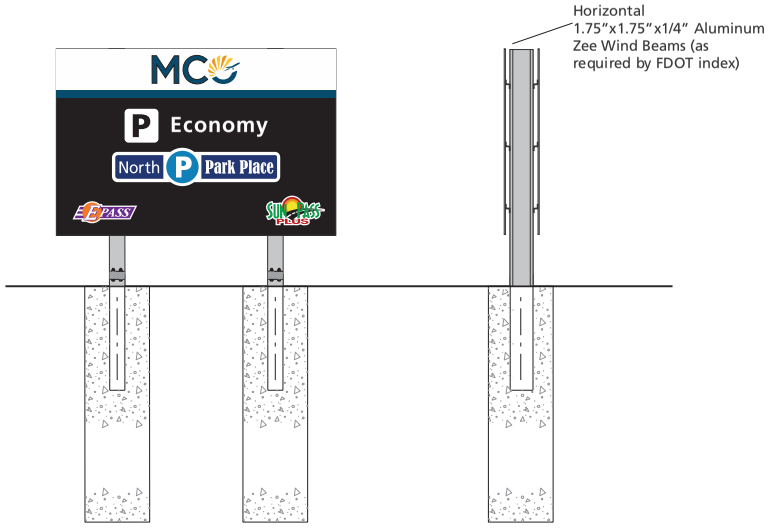
G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

SIDE A

23 New Layout View
Scale is 1/2″ = 1′

SIDE B

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



24 Front Elevation View
Scale is 1/4″ = 1′

24 Side Elevation View
Scale is 1/4″ = 1′

Side Base View

Structure Attachment View

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Ground Mounted Roadway Signage Upgrades

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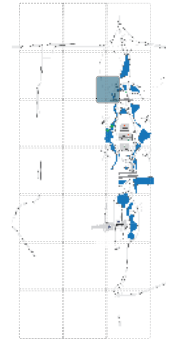
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

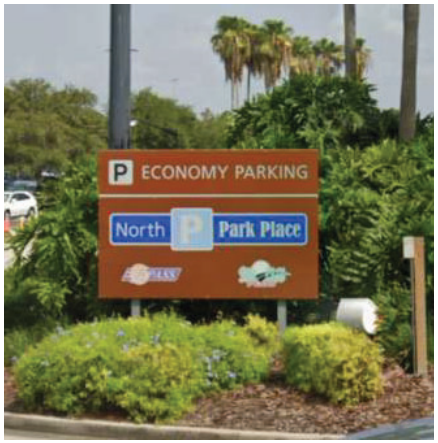
Drawing Title:

GM-CR-P-01

Drawing No.

01.56

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



25 Existing Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
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Final sign construction and attachment details by contractor

Side Base View

Structure Attachment View

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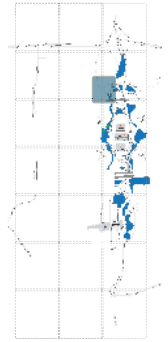
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-05

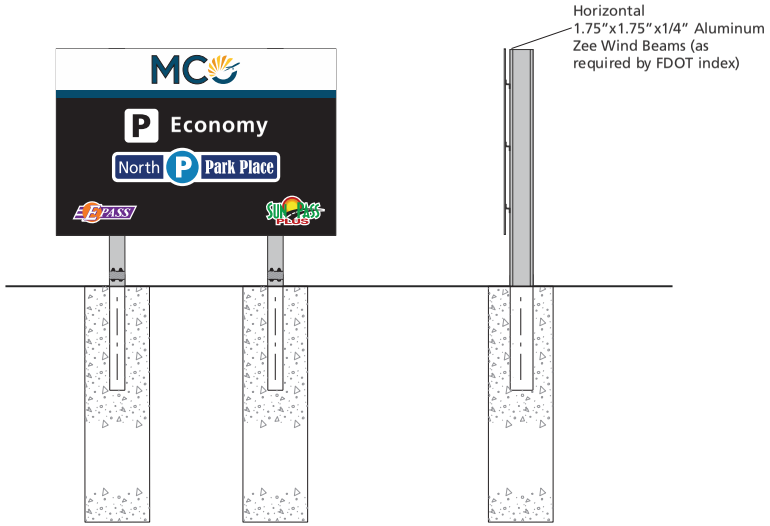
Drawing No.

01.57

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

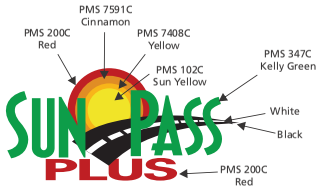
25 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



25 Front Elevation View
Scale is 1/4″ = 1′

25 Side Elevation View
Scale is 1/4″ = 1′



25 Logo Color Details
Not to Scale

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Ground Mounted Roadway Signage Upgrades

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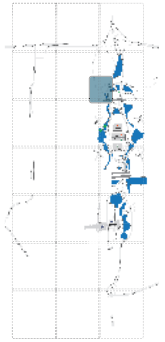


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-05

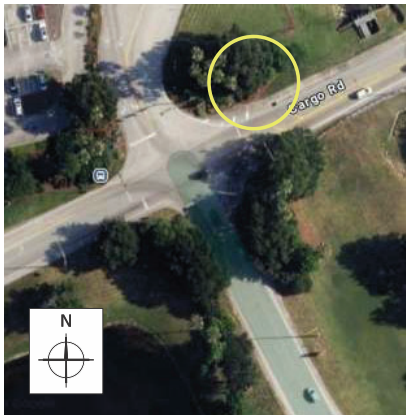
Drawing No.

01.58

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

26 Existing Elevation View (GM.CR.10)
Not to Scale

26 Concept Elevation View (GM.CR.10)
Not to Scale



26 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
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Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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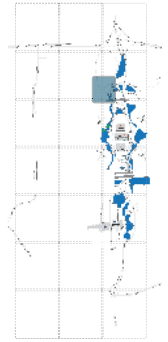
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

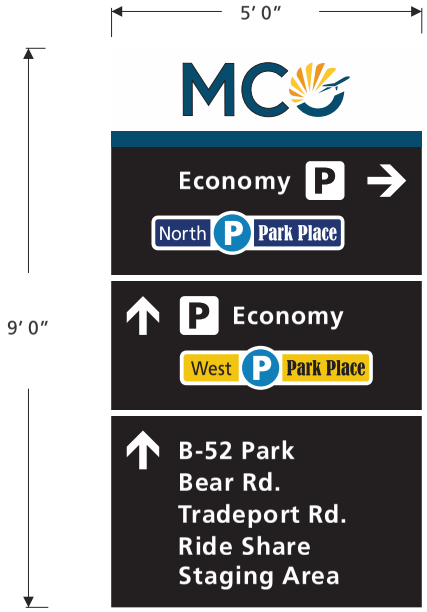
Drawing Title:

GM-CR-10

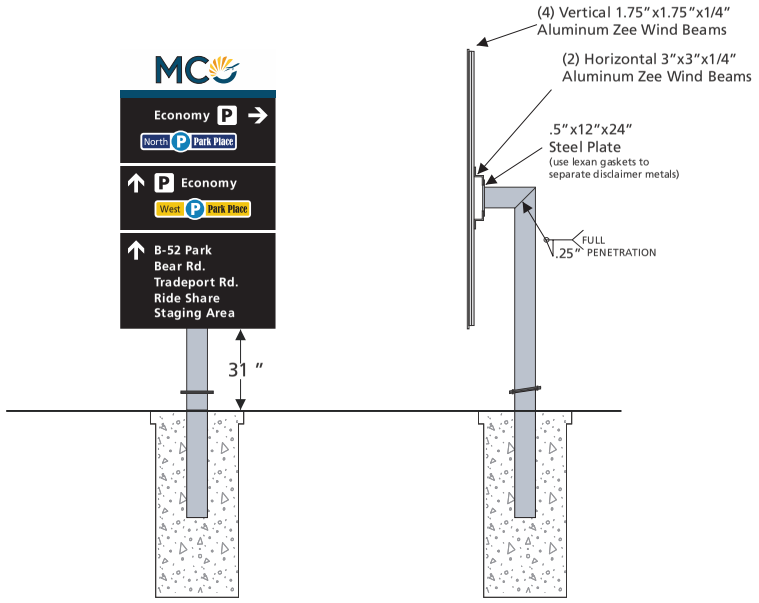
Drawing No.

01.59

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



26 New Layout View
Scale is 1/2" = 1'



26 Install View
Scale is 1/4" = 1'

26 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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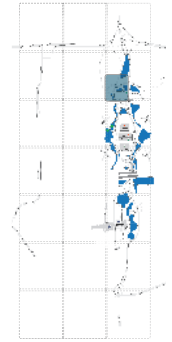
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

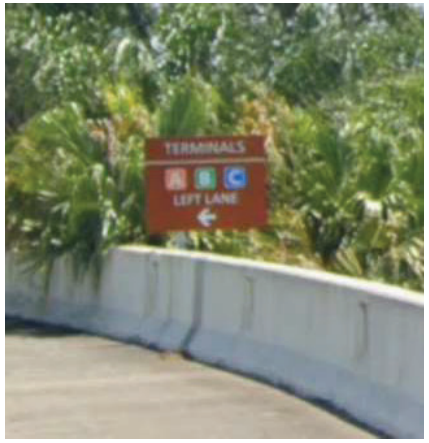
Drawing Title:

GM-CR-10

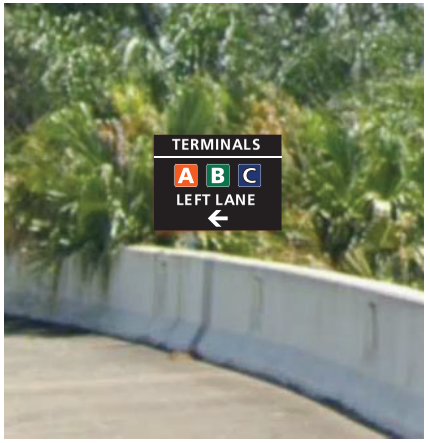
Drawing No.

01.60

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

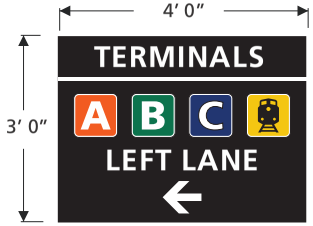


27 Existing Elevation View (GM.CR.12)
Not to Scale



27 Concept Elevation View (GM.CR.12)
Not to Scale

27 Concept Site View
Not to Scale



27 New Layout View
Scale is 1/2" = 1'

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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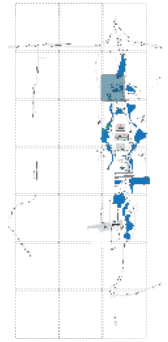
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-12

Drawing No.

01.61

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

28 Existing Elevation View (GM.CR.15)
Not to Scale

28 Concept Elevation View (GM.CR.15)
Not to Scale

28 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

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Ground Mounted Roadway Signage Upgrades

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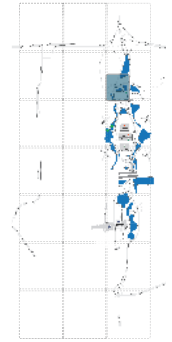
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

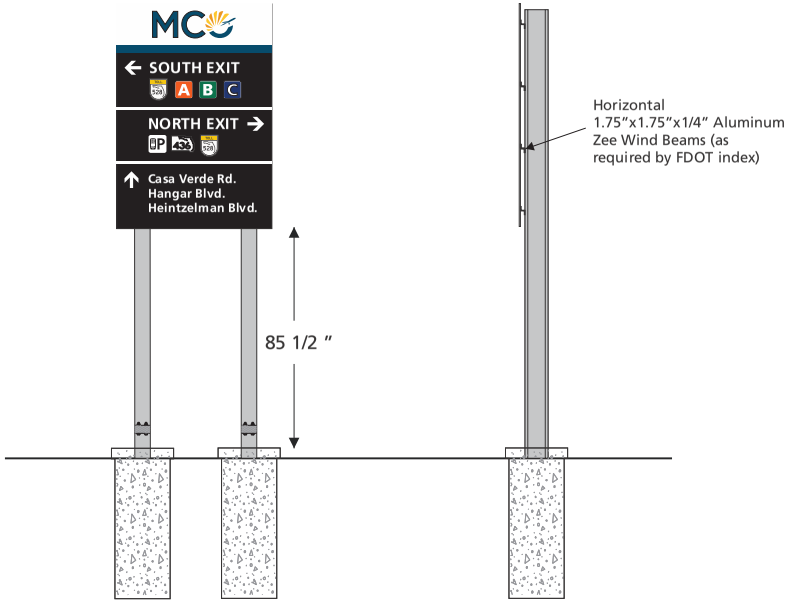
GM-CR-15

Drawing No.

01.62

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

28 New Layout View
Scale is 1/2″ = 1′



28 Front Elevation View
Scale is 1/4″ = 1′

28 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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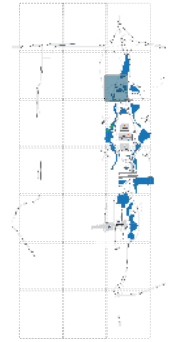

Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-15

Drawing No.

01.63

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

29 Existing Elevation View (GM.CR.20)
Not to Scale

29 Concept Elevation View (GM.CR.20)
Not to Scale

29 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
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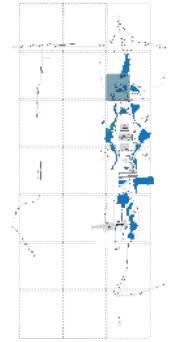


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

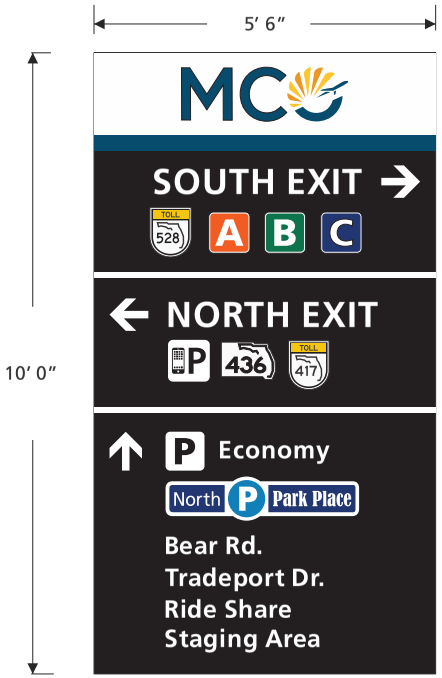
Drawing Title:

GM-CR-20

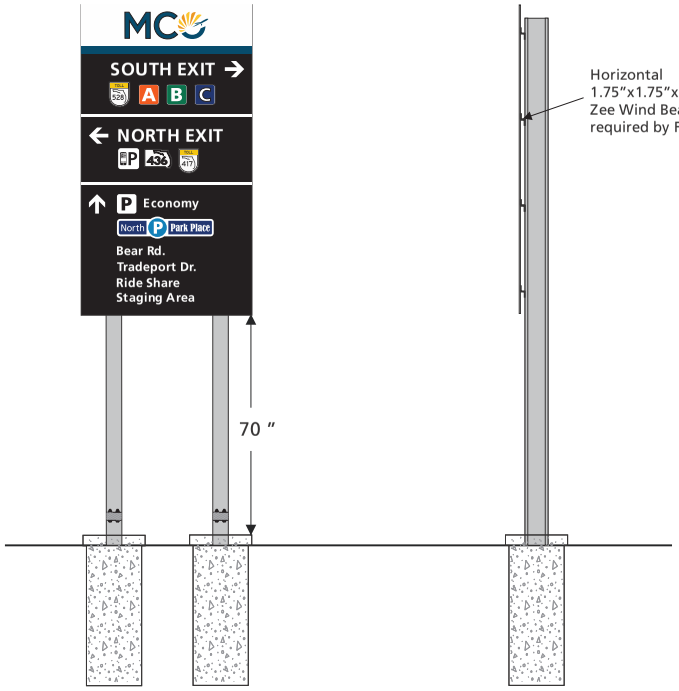
Drawing No.

01.64

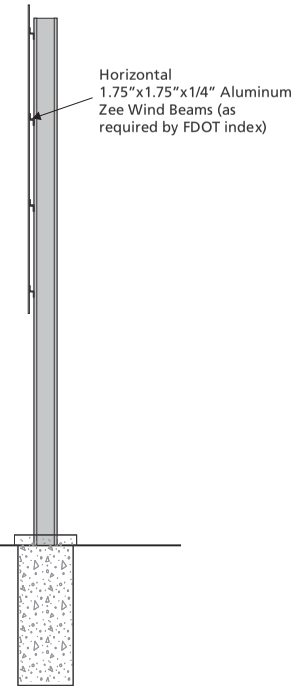
G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



29 New Layout View
Scale is 1/2" = 1'



29 Front Elevation View
Scale is 1/4" = 1'



29 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
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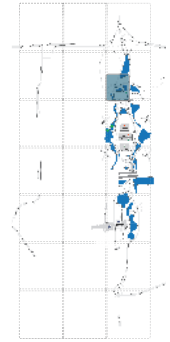
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-20

Drawing No.

01.65

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

30 Existing Elevation View (GM.CR.21)
Not to Scale

30 Concept Elevation View (GM.CR.21)
Not to Scale

30 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

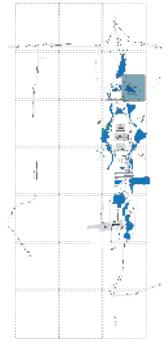
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

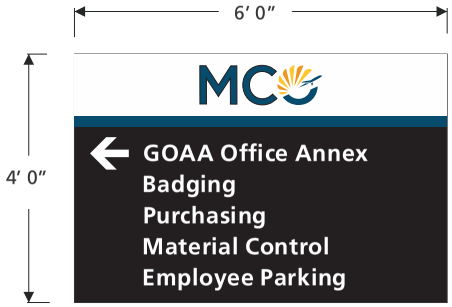
Drawing Title:

GM-CR-21

Drawing No.

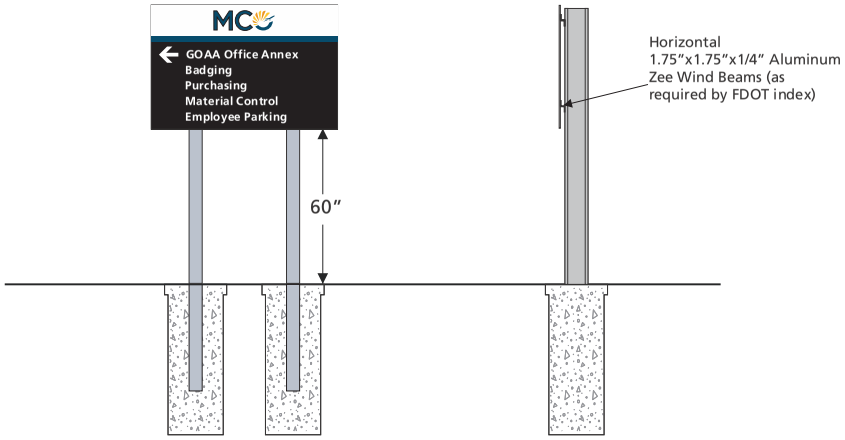
01.66

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



30 New Layout View
Scale is 1/2" = 1'

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



30 Front Elevation View
Scale is 1/4" = 1'

30 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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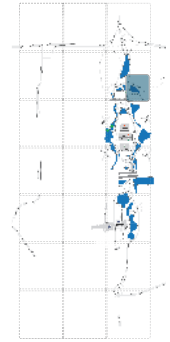
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-21

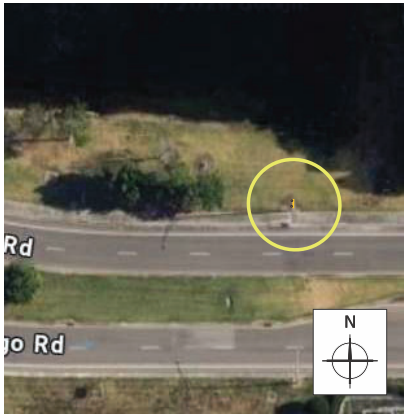
Drawing No.

01.67

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

31 Existing Elevation View (GM.CR.22)
Not to Scale

31 Concept Elevation View (GM.22)
Not to Scale



31 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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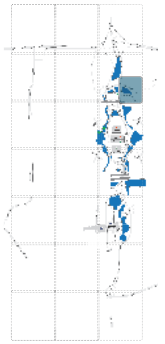
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

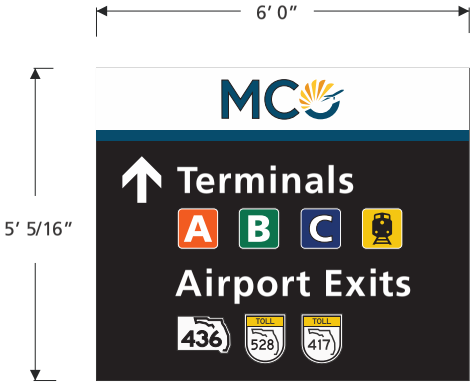
Drawing Title:

GM-CR-22

Drawing No.

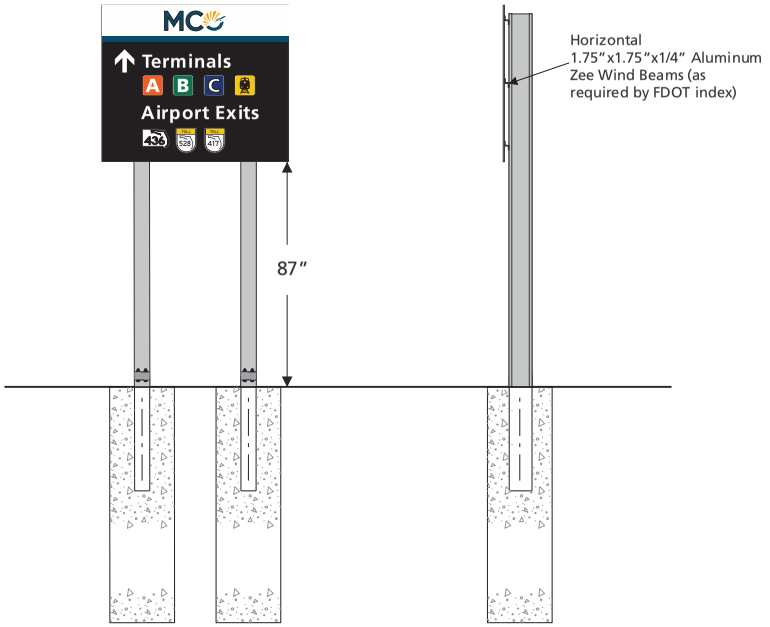
01.68

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



31 New Layout View
Scale is 1/2" = 1'

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



31 Front Elevation View
Scale is 1/4" = 1'

31 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
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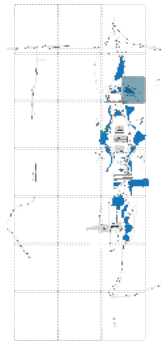
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-22

Drawing No.

01.69

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

32 Existing Elevation View (GM.CR.25)
Not to Scale

32 Concept Elevation View (GM.CR.25)
Not to Scale

32 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

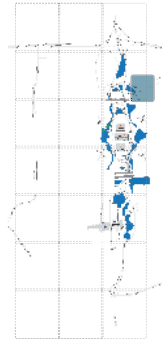
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

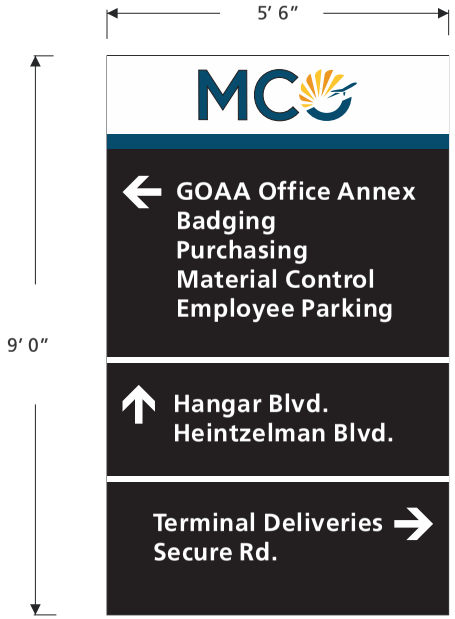
Drawing Title:

GM-CR-25

Drawing No.

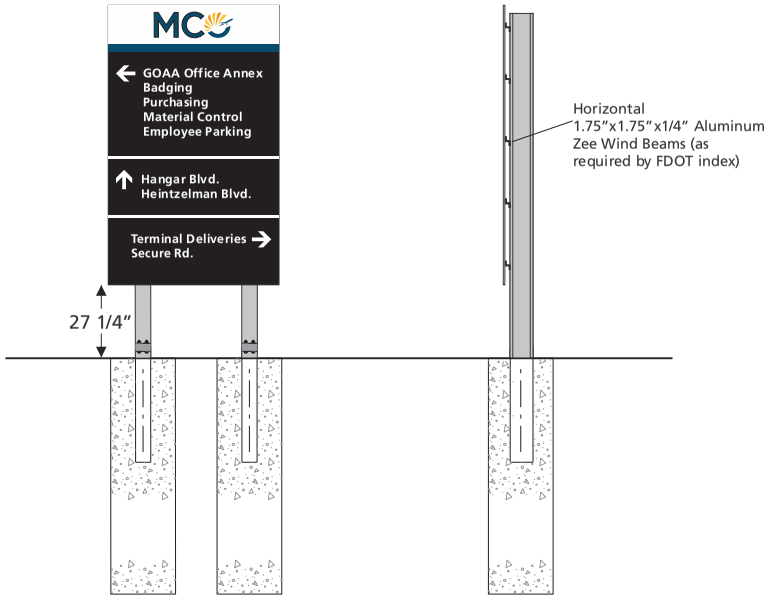
01.70

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



32 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



32 Front Elevation View
Scale is 1/4″ = 1′

32 Side Elevation View
Scale is 1/4″ = 1′

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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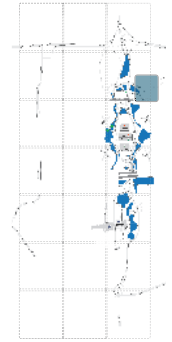
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

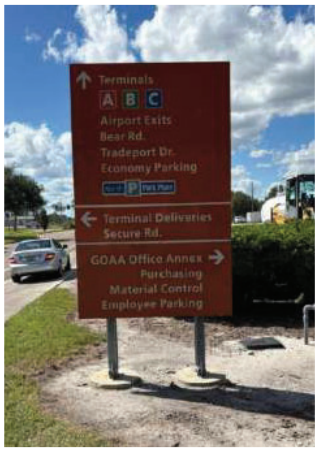
Drawing Title:

GM-CR-25

Drawing No.

01.71

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



33 Existing Elevation View (GM.CR.30)
Not to Scale

33 Concept Elevation View (GM.CR.30)
Not to Scale

33 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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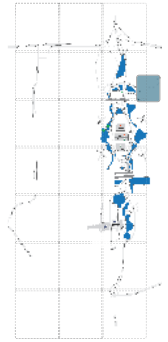
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

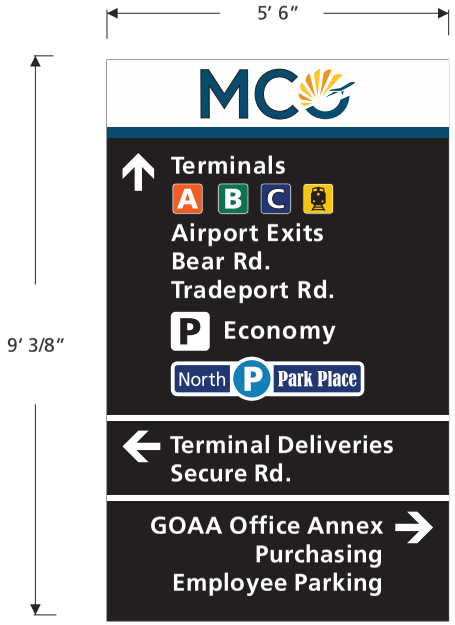
Drawing Title:

GM-CR-30

Drawing No.

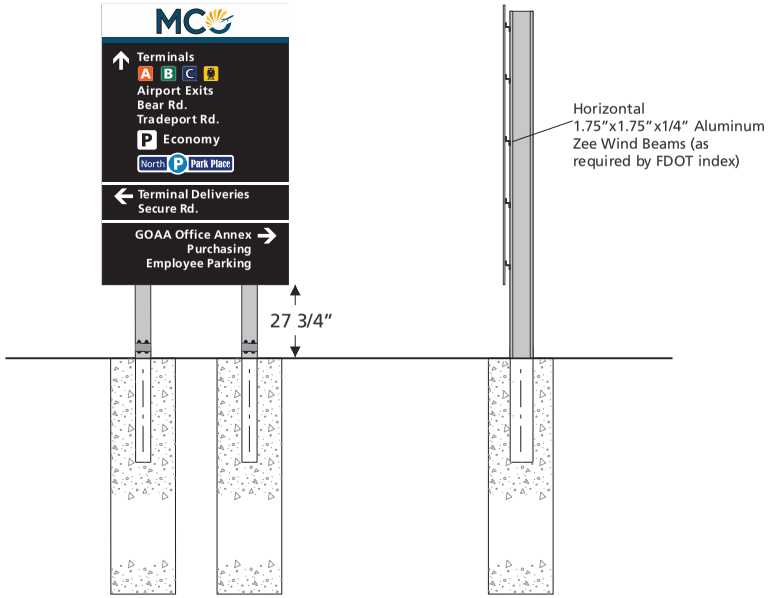
01.72

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



33 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



33 Front Elevation View
Scale is 1/4″ = 1′

33 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

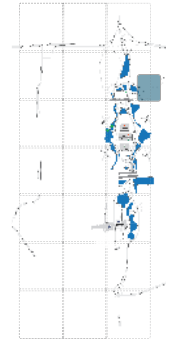
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-30

Drawing No.

01.73

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

34 Existing Elevation View (GM.CR.32)
Not to Scale

34 Concept Elevation View (GM.CR.32)
Not to Scale

34 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

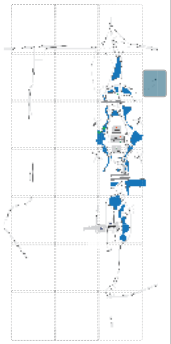
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-32

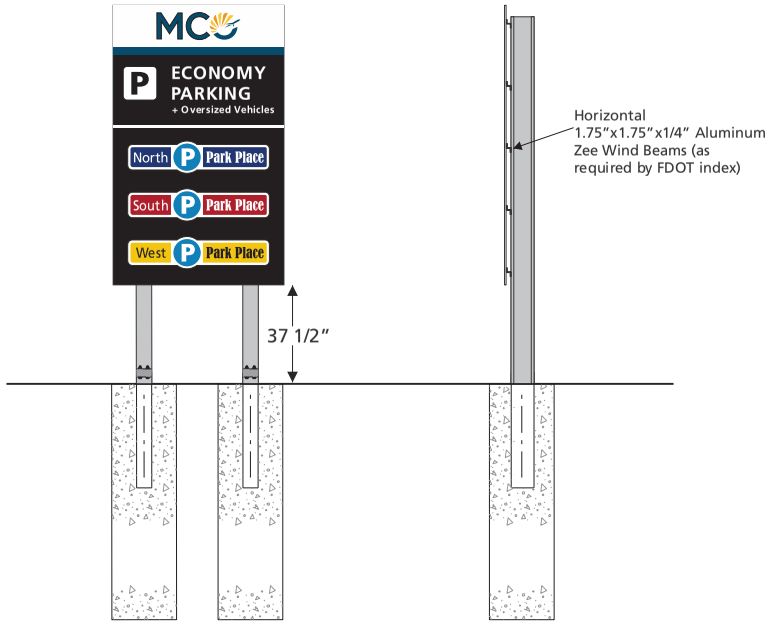
Drawing No.

01.74

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

34 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



34 Front Elevation View
Scale is 1/4″ = 1′

34 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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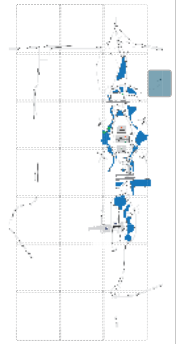
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-32

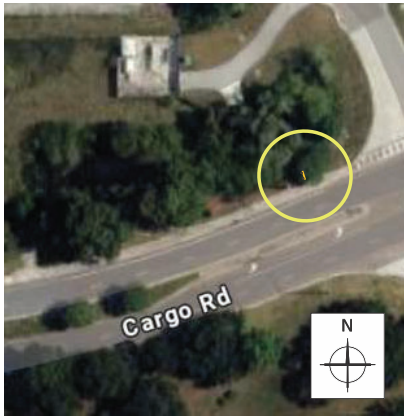
Drawing No.

01.75

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

35 Existing Elevation View (GM.CR.35)
Not to Scale

35 Concept Elevation View (GM.CR.35)
Not to Scale



35 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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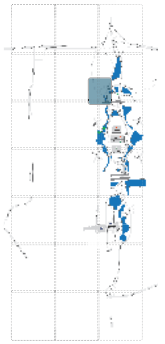
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

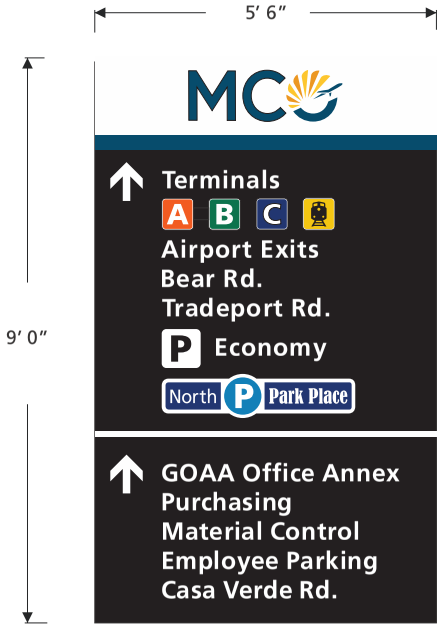
Drawing Title:

GM-CR-35

Drawing No.

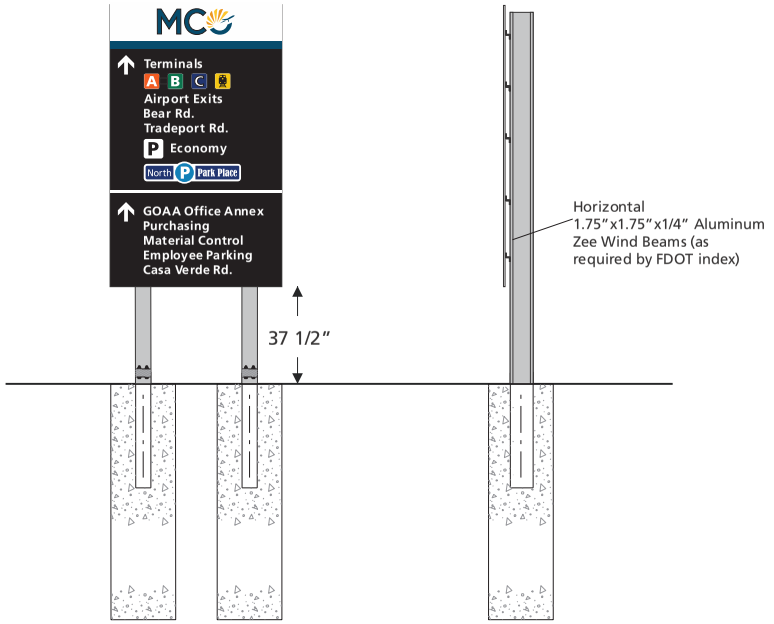
01.76

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



35 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



35 Front Elevation View
Scale is 1/4″ = 1′

35 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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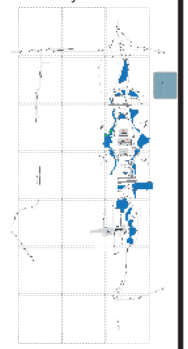
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

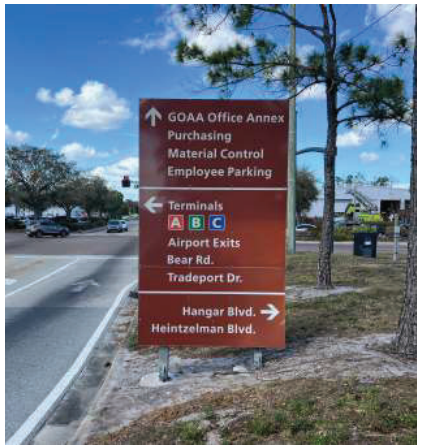
Drawing Title:

GM-CR-35

Drawing No.

01.77

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



36 Existing Elevation View (GM.CV.05)
Not to Scale

36 Concept Elevation View (GM.CV.05)
Not to Scale

36 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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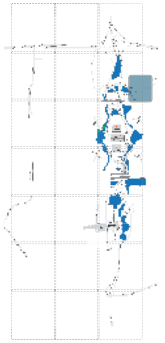
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

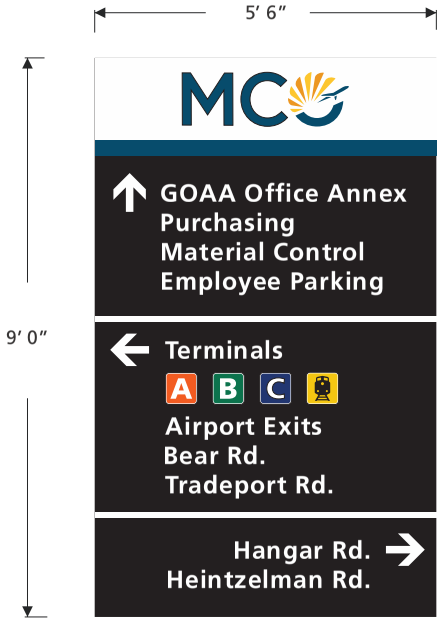
Drawing Title:

GM-CV-05

Drawing No.

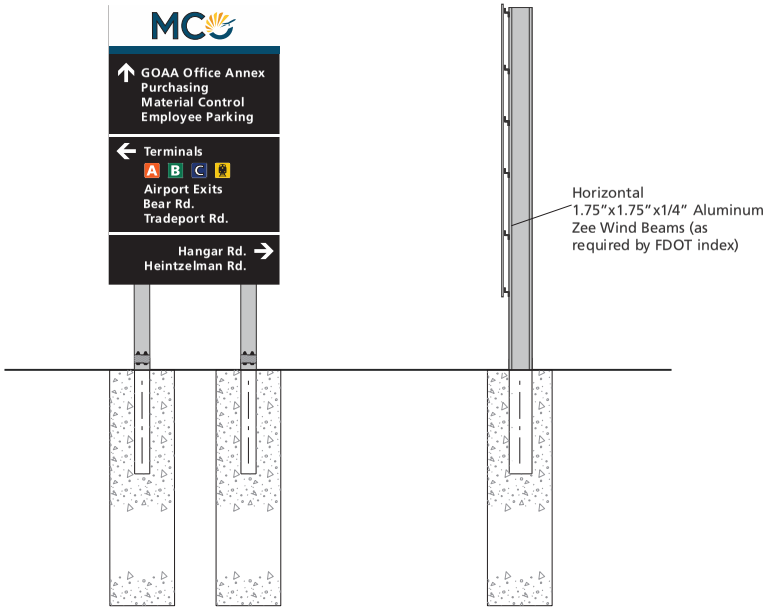
01.78

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2



36 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



36 Front Elevation View
Scale is 1/4″ = 1′

36 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

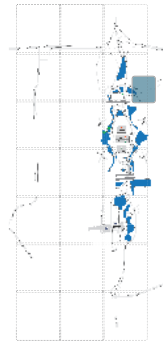
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-05

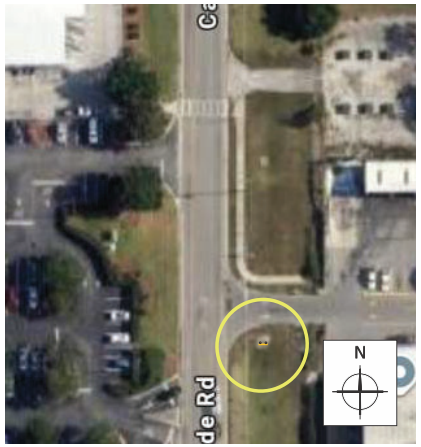
Drawing No.

01.79

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

36.5 Existing Elevation View (GM.CV.07)
Not to Scale

36.5 Concept Elevation View (GM.CV.07)
Not to Scale



36.5 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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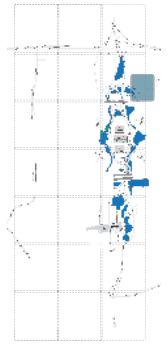
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

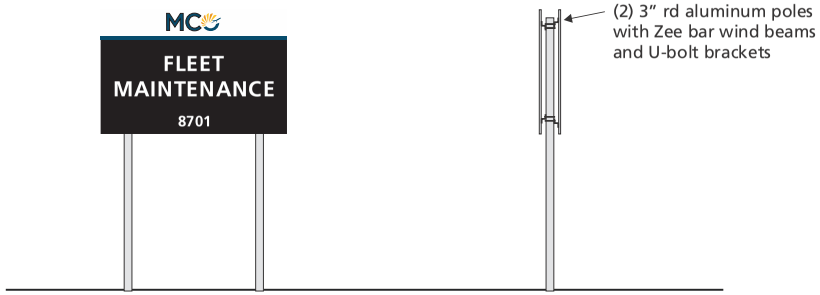
GM-CV-07

Drawing No.

01.80

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

36.5 New Layout View
Scale is 1/2″ = 1′



36.5 Front Elevation View
Scale is 1/4″ = 1′

36.5 Side Elevation View
Scale is 1/4″ = 1′

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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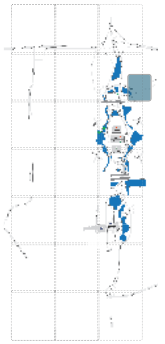
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-07

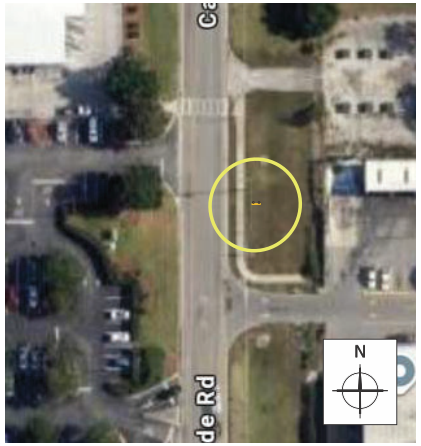
Drawing No.

01.81

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

37 Existing Elevation View (GM.CV.10)
Not to Scale

37 Concept Elevation View (GM.CV.10)
Not to Scale



37 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

ORLANDO INTERNATIONAL AIRPORT

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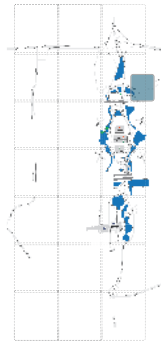
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-10

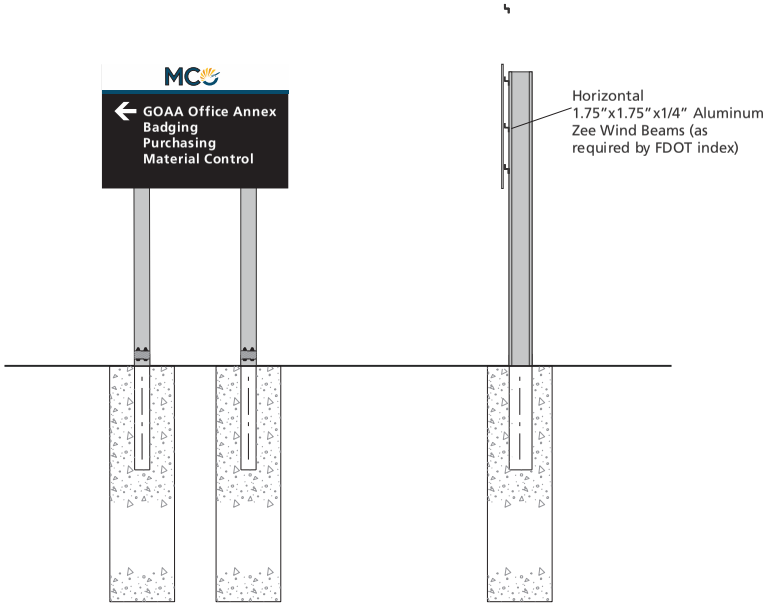
Drawing No.

01.82

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

37 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



37 Front Elevation View
Scale is 1/4″ = 1′

37 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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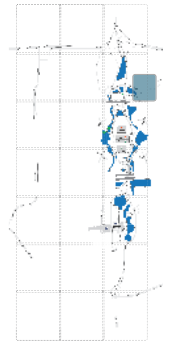
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-10

Drawing No.

01.83

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

38 Existing Elevation View (GM.CV.15)
Not to Scale

38 Concept Elevation View (GM.CV.15)
Not to Scale

38 Concept Site View
Not to Scale

Scope

Remove existing sign
Provide and Install (1) new sign.

Provide M.O.T. as required per latest F.D.O.T. Index
All locations are approximate.
Final sign construction and attachment details by contractor

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Upgrades

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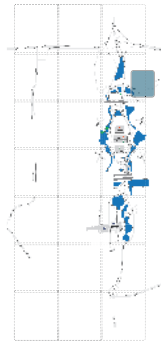
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-15

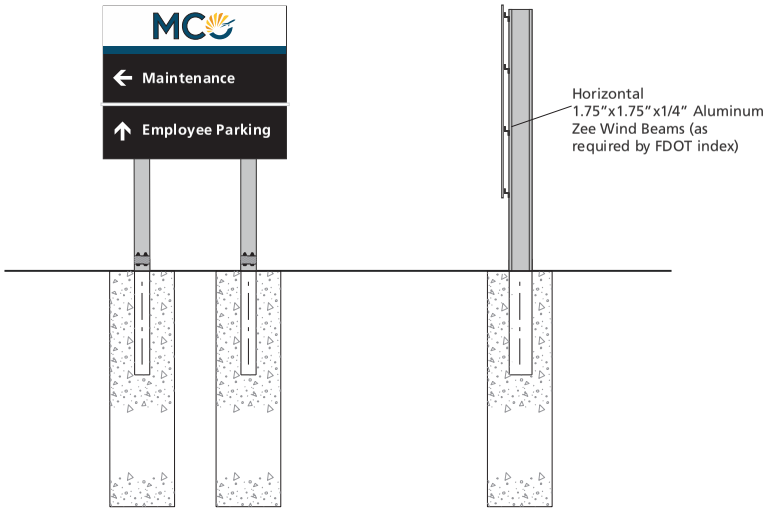
Drawing No.

01.84

G-00049 - Ground Mounted Roadway Sign Updates D/B
Scope Definition Documents - part 2

38 New Layout View
Scale is 1/2″ = 1′

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



38 Front Elevation View
Scale is 1/4″ = 1′

38 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

G-0049
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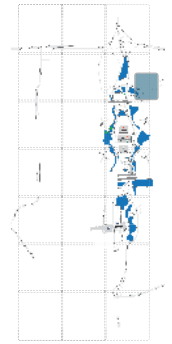
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

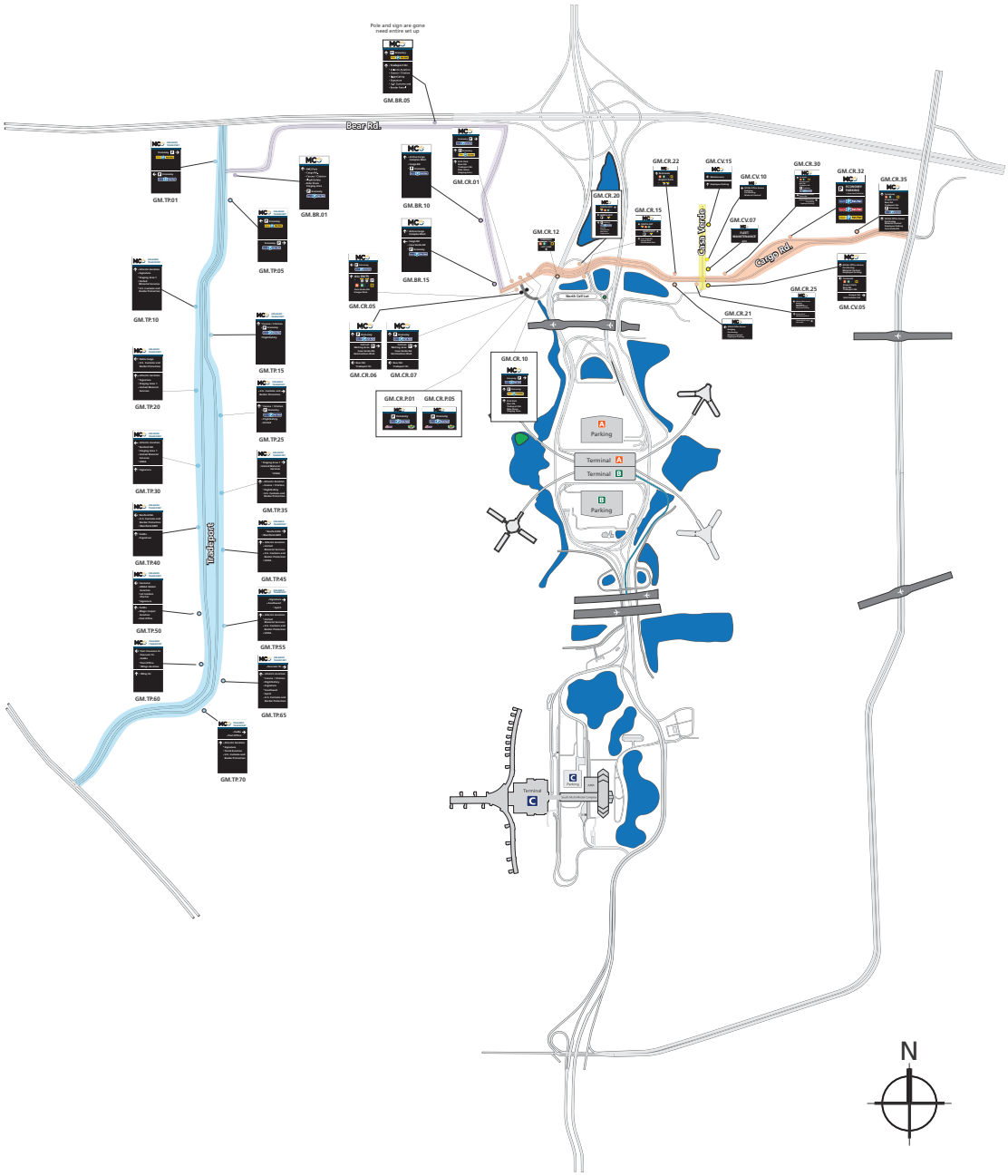
GM-CV-15

Drawing No.

01.85

38 - Ground Mtd Structures
1 - Bridge Mtd Structure

= Tradeport
= Bear Rd
= Cargo Rd
= Cargo Rd Exit Ramp
= Casa Verde



All locations are approximate.
Final locations to be coordinated in field with GOAA OAR Team.

Greater Orlando Aviation Authority

Published By: Jennifer Woods
Reviewed By: Jeff Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	G-00050 Repair & Replace Faded Roadway Signage at Jeff Fuqua Blvd (D/B)	DATE: 4/28/26
CONTRACTOR:	AC Signs, LLC, dba Decamil	
A/E: N/A		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO1). Provide all labor, material, and equipment to repair and replace roadway signage at Jeff Fuqua Blvd. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $1,792,190.00

Item #2 – Allowance Reduction-Reduce the Allowance by ($1,792,190.00) from $2,700,000.00 to $907,810.00 to cover the costs of Item #1 above.

Deduct: ($1,792,190.00)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,792,190.00	
GOAA/OAR Estimate	$ 1,912,650.00	
(a) Change Contract Amount By		**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 101,465.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$ 0.00**

Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$

Published By: Jennifer Woods
Reviewed By: Jeff Reine

PREPARED BY: Jennifer Woods				PHONE: x4056
*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed: 4/22/26	Initials of Reviewer: DM	Verification of Funding by Finance: Melvin Martinez

AC SIGNS
11100 Astronaut Blvd.
Orlando, Fl 32837
407-857-5564
407-857-5565

Cristian Parra
407-456-4877

RCO 001

4/6/26

* lines in Red are based on latest drawing changes

Part 1			
Sign #	Size	Description	Unit Price
SA-10	11.6'X30'	OVERLAY	$20,872.5
MOT-SA-10			$4,015.0
SA-15	11'6"X11'	OVERLAY	$7,653.0
MOT-SA-15			$990.0
SA-20.1	11.6'X30'	OVERLAY	$20,872.5
MOT- SA-20			$4,015.0
SA-25.1	11.6'X30'	NEW	$28,462.0
SA-25.2	10'X11'	NEW	$8,470.0
REMOVAL			$3,080.0
MOT- SA-25			$4,070.0
SA-30	11'6"x30'	NEW	$28,462.0
REMOVAL			$3,080.0
MOT-SA-30			$4,070.0
SA-35.1	11'6"x30'	NEW	$28,462.0
SA-35.2	11'6"x30'	NEW	$28,462.0
SA-35.3	10'X11'	NEW	$8,470.0
REMOVAL			$5,060.0
MOT-SA-35			$5,510.0
SA-40	10'x11'	OVERLAY	$6,655.0
MOT-SA-40			$1,980.0
SA-45.1	11'6"x30'	NEW	$28,462.0
SA-45.2	11'6"x30'	NEW	$28,462.0
REMOVAL			$3,960.0
MOT-SA-45			$5,180.0
LA-00	10'X11'	NEW	$8,470.0
REMOVAL			$1,500.0
MOT-LA-00			$1,980.0
LA-01.1	10'X11'	NEW	$8,470.0
LA-01.2	10'X11'	NEW	$8,470.0
LA-01.3	10'X11'	NEW	$8,470.0
REMOVAL			$3,080.0
MOT-LA-01			$4,300.0
LA-02	10'X12'	NEW	$9,240.0
REMOVAL			$1,500.0
MOT-LA-02			$1,980.0
LA-03.1	10'X15'	NEW	$11,550.0

LA-03.2	10'X15'	NEW	$11,550.0
LA-03.3	10'X09'	NEW	$6,930.0
REMOVAL-LA-03			$3,520.0
MOT-LA-03			$4,300.0
LA-04.1	10'X18'	NEW	$13,860.0
LA-04.2	10'X11'	NEW	$8,470.0
REMOVAL			$2,640.0
MOT-LA-04			$3,480.0
SA-57	10'x11'	Delete does not fit with H394 design	$0.0
MOT- SA-57			$0.0
SB-60	11.6'X30'	NEW	$28,472.0
REMOVAL			$1,980.0
MOT- SB-60			$5,082.0
SB-65.1	10'x9'	NEW	$6,930.0
SB-65.2	10'x13'	NEW	$10,010.0
SB-65.3	10'x10'	NEW	$7,700.0
REMOVAL			$3,410.0
MOT-SA-65			$4,180.0
SB-66.1	10'x10'	NEW	$7,700.0
SB-66.2	10'x11'	NEW	$8,470.0
SB-66.2	10'x11'	NEW	$8,470.0
REMOVAL			$2,640.0
MOT-SA-66			$4,300.0
SB-70.1	10'x12'	NEW	$9,240.0
SB-70.2	10'x12'	NEW	$9,240.0
REMOVAL			$1,760.0
MOT-SA-70			$3,080.0
SB-75.1	10'x12'	NEW	$9,240.0
SB-75.2	10'x12'	NEW	$9,240.0
REMOVAL			$1,760.0
MOT-SB-75			$3,080.0
Part 2			
SB-80.1	10'X12'	NEW	$9,240.0
SB-80.2	10'x12'	NEW	$9,240.0
REMOVAL			$1,760.0
MOT-SB-80			$3,800.0
SC-120.1	10'x22.5'	OVERLAY	$13,612.5
SC-120.2	10'x22.5'	OVERLAY	$13,612.5
MOT-SC-120			$3,960.0
SC-125.1	10'x22.5'	OVERLAY	$13,612.5
SC-125.2	10'x22.5'	OVERLAY	$13,612.5
MOT-SB-125			$3,960.0
SCT-45	10'x22.5'	OVERLAY	$13,612.5
MOT-SCT-45			$1,980.0
SCT-50	10'x22.5'	OVERLAY	$13,612.5

MOT-SCT-50			$1,980.0
SCT-25.1	10'x22.5'	OVERLAY	$13,612.5
MOT-SCT-25			$3,960.0
SCT-55.1	10'X11'	OVERLAY	$6,655.0
SCT-55.2	10'X11'	OVERLAY	$6,655.0
MOT-SCT-55			$3,058.0
SCT-35.1	10'x22.5'	OVERLAY	$13,612.5
MOT-SCT-35			$2,640.0
SCT-40.1	10'x20.5'	NEW	$17,325.0
SCT-40.2	10'X11'	NEW	$8,470.0
REMOVAL			$2,400.0
MOT-SCT-40			$3,800.0
SCT-45.1	10'x20.5'	NEW	$17,325.0
SCT-45.2	10'X11'	NEW	$8,470.0
REMOVAL			$2,400.0
MOT-SCT-45			$3,800.0
SC-130.1	10'X11'	OVERLAY	$6,655.0
SC-130.2	10'X11'	OVERLAY	$6,655.0
MOT-SC-130			$3,740.0
SC-135.1	10'x11'	OVERLAY	$6,655.0
SC-135.2	10'X12'	OVERLAY	$7,260.0
SC-135.3	10'x11'	OVERLAY	$6,655.0
MOT-SC-135			$3,080.0
SC-140	10'X11'	NEW	$8,470.0
REMOVAL			$1,200.0
MOT-SC-140			$1,980.0
NC-25	10'X11'	OVERLAY	$6,655.0
MOT-NC-25			$1,980.0
NC-45	10'X11'	OVERLAY	$6,655.0
MOT-45			$1,980.0
NC-50	12'X34'	NEW	$28,472.0
REMOVAL			$4,180.0
MOT-NC-50			$6,050.0
NC-60.1	10'X11'	OVERLAY	$6,655.0
NC-60.2	10'X11'	OVERLAY	$6,655.0
NC-60.3	10'X11'	OVERLAY	$6,655.0
NC-60.4	10'X11'	OVERLAY	$6,655.0
MOT-NC-60			$4,300.0
NC-65.1	10'X11'	OVERLAY	$6,655.0
NC-65.2	10'X11'	OVERLAY	$6,655.0
NC-65.3	10'X11'	OVERLAY	$6,655.0
NC-65.4	10'X11'	OVERLAY	$6,655.0
NC-65.5	10'X11'	OVERLAY	$6,655.0
MOT-NC-65			$4,300.0
SCT-50	10'x11'	OVERLAY	$6,655.0

SCT-50	10'X12'	OVERLAY	$7,260.0
SCT-50	10'x6'	OVERLAY	$3,630.0
SCT-50	10'X12'	NEW	$9,240.0
SCT-50	10'X10'	NEW	$7,700.0
REMOVAL			$1,800.0
MOT-SCT-50			$1,980.0
SCT-55.1	10'X11'	OVERLAY	$6,655.0
SCT-55.2	10'X11'	OVERLAY	$6,655.0
SCT-55.3	10'X11'	OVERLAY	$6,655.0
MOT-SCT-55			$3,058.0
NC-70	11'6x30'	NEW	$28,462.0
REMOVAL			$3,080.0
MOT-NC-70			$3,960.0
NC-75	11'6x30'	NEW	$28,462.0
REMOVAL			$3,080.0
MOT			$5,082.0
Part 3			
NC-80.1	10'X11'	OVERLAY	$6,655.0
NC-80.2	10'X11'	OVERLAY	$6,655.0
NC-80.3	10'X11'	OVERLAY	$6,655.0
MOT-NC-80			$3,080.0
NC-85	10'X21	OVERLAY	$12,705.0
MOT-NC-85			$2,640.0
NC-90	10'X17.5'	OVERLAY	$10,587.0
MOT-NC-90			$2,640.0
NC-95.1	10'X11'	NEW	$8,470.0
NC-95.2	10'X11'	NEW	$8,470.0
REMOVAL			$1,980.0
MOT-NC-95			$4,180.0
NC-97.1	10'X8'	NEW	$6,160.0
NC-97.2	10'X8'	NEW	$6,160.0
REMOVAL			$1,540.0
MOT-NC-97			$3,520.0
LB-01	10'X11'	NEW	$4,620.0
REMOVAL			$880.0
MOT-LB-01		MOT not possible due to barriers	$0.0
LB-02.1	10'X11'	NEW	$8,470.0
LB-02.2	10'X11'	NEW	$8,470.0
LB-02.3	10'X11'	NEW	$8,470.0
REMOVAL			$2,310.0
MOT-LB-02			$4,300.0
LB-03.1	10'X9'	NEW	$6,930.0
LB-03.2	10'X11'	NEW	$8,470.0
LB-03.3	10'X19'	NEW	$14,630.0
LB-03.4	10'X12'	NEW	$9,240.0

REMOVAL			$3,410.0
MOT-LB-03			$4,510.0
LB-04.1	10'X11'	OVERLAY	$6,655.0
LB-04.2	10'X11'	NEW	$8,470.0
LB-04.3	10'X10'	OVERLAY	$6,500.0
LB-04.4	10'X10'	OVERLAY	$6,500.0
LB-04.5	10'X10'	OVERLAY	$6,500.0
LB-04.6	10'X18'	OVERLAY	$10,890.0
REMOVAL			$1,500.0
MOT-LB-04			$6,380.0
LB-06.1	10'X15'	NEW	$11,550.0
LB-06.2	10'X15'	NEW	$11,550.0
LB-06.3	10'X9'	NEW	$6,930.0
REMOVAL			$3,800.0
MOT-LB-06			$3,740.0
LB-07.1	10'X17'5"	NEW	$13,475.0
LB-07.2	10'X11'	NEW	$8,470.0
REMOVAL			$2,100.0
MOT-LB-07			$3,740.0
NB-85	10'X11'	NEW	$8,470.0
REMOVAL			$880.0
MOT-NB-85			$1,540.0
NA-87.1	10'X22.5'	NEW	$17,325.0
NA-87.2	10'X11'	NEW	$8,470.0
REMOVAL			$2,100.0
MOT-NA-87			$4,300.0
NA-90.1	10'X12'	NEW	$9,240.0
NA-90.2	10'X12'	NEW	$9,240.0
NA-90.3	10'X12'	NEW	$9,240.0
NA-90.4	10'X12'	NEW	$9,240.0
REMOVAL			$3,080.0
MOT-NA-90			$4,730.0
NA-95.1	10'X12'	NEW	$9,240.0
NA-95.2	10'X12'	NEW	$9,240.0
REMOVAL			$1,760.0
MOT-NA-95			$3,080.0
LA-05	10'X12'	NEW	$9,240.0
REMOVAL			$880.0
MOT-LA-05			$1,980.0
LA-06.1	10'X11'	NEW	$8,470.0
LA-06.2	10'X11'	NEW	$8,470.0
REMOVAL			$1,980.0
MOT-LA-06			$3,740.0
NA-100	10'X11'	NEW	$8,470.0
REMOVAL			$880.0

MOT-NA-100			$1,870.0
NA-105	10'X11'	NEW	$8,470.0
REMOVAL			$880.0
MOT-NA-105			$1,870.0
LA-07.1	10'X11'	NEW	$8,470.0
LA-07.2	10'X11'	NEW	$8,470.0
REMOVAL			$1,800.0
MOT-LA-07			$3,740.0
NA-105	10'X11'	NEW	$8,470.0
REMOVAL			$880.0
MOT-NA-105			$1,870.0
NA-110	10'X11'	NEW	$8,470.0
REMOVAL			$880.0
MOT-NA-110			$1,870.0
NA-120.1	10'X11'	OVERLAY	$6,655.0
NA-120.2	10'X11'	OVERLAY	$6,655.0
MOT-NA-20			$3,740.0
LA-09.1	10'X12'	NEW	$9,240.0
LA-09.2	10'X12'	NEW	$9,240.0
REMOVAL			$1,540.0
MOT-LA-09			$3,740.0
Survey		All Locations using 2 crash trucks. Nightime	$28,000
Vertical beam supports	Qty 30	Estimated adjusted after survey	$54,000
		Fabrication & Install Total	$1,732,190.0
		Bond (2 Million @ 3%)	**$60,000**
		Project Grand Total	**$1,792,190**

ALL NEW PANELS AND GRAPHICS PER STATED DIMENSIONS. IF WE DETERMINE SIGN TAGGED NEW CAN ACCEPT AN OVERLAY OF .080 ALUMINUM THAN WE CAN CREDIT

AC Signs: Orlando International Airport - G-00050 - Roadway Sign Updates

	Updated 04/16/26					
Task Description	April	MAY	JUNE	JULY	AUG	SEPT
Pre-Construction Meeting	April 29th					
Shop Drawings		3 Weeks				
Shop Drawings Review & Approval		1 Week				
Samples & Approvals (Samples to be submitted along Shop Drawings)		2 Weeks				
Fabrication (All signs to be fabricated together as part of one production run)			12 Weeks			
Installation (All signs to be installed together as part of one mobilization run)					6 Weeks	
Substantial Completion						TBD
Final Inspections & Punchlist						1 Week
Closeouts						1 Week
Final Completion						TBD

Schedule Notes:
Signs to be fabricated together as part of one production run.
Six-week installation window; all work to be completed under mobilization including Electrical.

*Schedule is subject to change based on material availability at the time of order due to current market conditions

G-00050
OAR Estimate

Sign #	Fabr NEW	Fab OVERLAY	Installation	MOT	Removal	Miss	Total
SA-10		$18,000	$4,000	$5,000		$1,000	$28,000
SA-15		$6,000	$2,000	$2,000		$500	$10,500
SA-20		$18,000	$4,000	$5,000		$1,000	$28,000
SA-25	$32,000		$6,000	$5,000	$2,500	$1,000	$46,500
SA-30	$25,000		$4,000	$5,000	$2,500	$1,000	$37,500
SA-35	$57,000		$10,000	$7,000	$5,000	$2,000	$81,000
SA-40		$5,000	$2,000	$2,000		$500	$9,500
SA-45	$50,000		$8,000	$6,000	$4,000	$2,000	$70,000
LA-00	$7,000		$2,000	$2,000	$2,000	$500	$13,500
LA-01	$21,000		$6,000	$6,000	$4,000	$1,000	$38,000
LA-02	$7,000		$2,000	$2,000	$2,000	$500	$13,500
LA-03	$24,000		$7,000	$5,000	$4,000	$1,000	$41,000
LA-04	$19,000		$5,000	$4,000	$2,500	$1,000	$31,500
SB-60	$25,000		$4,000	$5,000	$2,500	$1,000	$37,500
SB-65	$21,000		$6,000	$5,000	$4,000	$1,000	$37,000
SB-66	$19,000		$6,000	$5,000	$4,000	$1,000	$35,000
SB-70	$16,000		$4,000	$4,000	$2,000	$1,000	$27,000
SB-75	$16,000		$4,000	$4,000	$2,000	$1,000	$27,000
SB-80	$16,000		$4,000	$4,000	$2,000	$1,000	$27,000
SC-120		$24,000	$4,000	$4,000		$1,000	$33,000
SC-125		$24,000	$4,000	$4,000		$1,000	$33,000
SC-130		$10,000	$4,000	$4,000		$500	$18,500
SC-135		$16,000	$6,000	$4,000		$500	$26,500
SC-140	$7,000		$2,000	$2,000	$2,000	$500	$13,500
SCT-10		$11,000	$3,000	$2,000		$500	$16,500
SCT-20		$11,000	$3,000	$2,000		$500	$16,500
SCT-25		$11,000	$3,000	$3,000		$500	$17,500
SCT-30		$11,000	$3,000	$3,000		$500	$17,500
SCT-35		$11,000	$3,000	$2,000		$500	$16,500
SCT-40	$21,000		$6,000	$4,000	$2,000	$1,000	$34,000
SCT-45	$21,000		$6,000	$4,000	$2,000	$1,000	$34,000
SCT-50	$14,000	$14,000	$9,000	$3,000	$3,000	$1,000	$44,000
SCT-55		$15,000	$6,000	$3,000		$1,000	$25,000
NC-25		$5,000	$2,000	$2,000		$500	$9,500
NC-45		$5,000	$2,000	$2,000		$500	$9,500
NC-50	$25,000		$4,000	$5,000	$2,500	$1,000	$37,500
NC-60		$20,000	$8,000	$5,000		$1,000	$34,000
NC-65		$25,000	$10,000	$5,000		$1,000	$41,000
NC-70	$25,000		$4,000	$5,000	$2,500	$1,000	$37,500
NC-75	$25,000		$4,000	$5,000	$2,500	$1,000	$37,500
NC-80		$15,000	$6,000	$4,000		$1,000	$26,000

NC-85		$10,000	$3,000	$3,000		$500	$16,500
NC-90		$9,000	$2,000	$3,000		$500	$14,500
NC-95	$14,000		$4,000	$4,000	$2,000	$1,000	$25,000
NC-97	$11,000		$3,000	$4,000	$2,000	$500	$20,500
LB-01	$3,500		$1,500	$2,000		$500	$7,500
LB-02	$21,000		$6,000	$5,000	$3,000	$1,000	$36,000
LB-03	$33,000		$8,000	$5,000	$4,000	$1,000	$51,000
LB-04	$7,000	$31,000	$10,000	$7,000	$2,000	$1,000	$58,000
LB-06	$25,000		$6,000	$4,000	$4,000	$1,000	$40,000
LB-07	$19,000		$4,000	$4,000	$2,000	$1,000	$30,000
NB-85	$7,000		$2,000	$2,000	$1,000	$500	$12,500
NA-87	$23,000		$4,000	$5,000	$2,500	$1,000	$35,500
NA-90	$32,000		$8,000	$5,000	$4,000	$1,000	$50,000
NA-95	$16,000		$4,000	$4,000	$2,000	$1,000	$27,000
NA-100	$7,000		$2,000	$2,000	$1,000	$500	$12,500
NA-105	$7,000		$2,000	$2,000	$1,000	$500	$12,500
NA-110	$7,000		$2,000	$2,000	$1,000	$500	$12,500
NA-120		$10,000	$4,000	$4,000		$500	$18,500
LA-05	$8,000		$2,000	$2,000	$1,000	$500	$13,500
LA-06	$15,000		$4,000	$4,000	$2,000	$1,000	$26,000
LA-07	$15,000		$4,000	$4,000	$2,000	$1,000	$26,000
LA-09	$13,000		$4,000	$4,000	$1,500	$500	$23,000
							$1,786,000

Survey	$30,000
Miss Material	$50,000
Adjusted Total	$1,866,000
Bond at 2.5%	$46,650.00
Con ROM Total	$1,912,650

BULLETIN

PROJECT NO. & NAME:	G-00050, Repair and Replace Faded Roadway Signage – Jeff Fuqua Blvd (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:	4/28/26	
CONTRACTOR:	AC Signs, LLC, dba, Decamil	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	The Corradino Group, Inc.	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative.** The Scope of work is to replace the ground mounted signs with new aluminum panels and associated vinyl and zee bar. Locations are as noted in attached scope definition documents on Jeff Fuqua Blvd. 95% and 100% Design Submittals required for the roadway signs with respect to text and colors as noted in the scope definition documents attached. Note that this project is split into three packages. Design submittals can be structured differently to meet project schedule. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.

	☐ Other	Click or tap here to enter text.

☒ **ATTACHMENTS INCLUDED:**

Discipline	Drawing No.	Revision Date	Revision Narrative
Wayfinding	Part 1	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Part 2	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Part 3	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Location Map	03/06/2026	Location Map

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

G-0050

Overhead Roadway Sign Updates D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

REFERENCE DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

01.01 - Cover
01.02 - Index
01.03 - Project Details
01.04 - Graphic Details
01.05 - Luminaire Details
01.06 - Airline Panel Details
01.07 - 01.49 - Individual Sign Details

02.00 - Location Map (in separate document)

OT = Overhead Truss Structure
OC = Overhead Cantilever Structure
OB = Overhead Bridge Structure

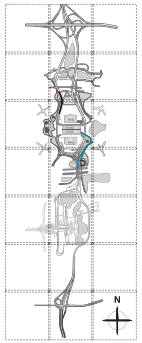
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index

Drawing No.

01.02

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

General Notes:

1. The awarded contractor shall coordinate all utility relocations, be responsible for construction, and maintenance of traffic during construction, requirements relative to project management, scheduling, and coordination with other agencies and entities such as state and local government, utilities and the public.

2. The contractor shall demonstrate good project management practices while working on this project. These include written communication with GOAA's OAR team and others as necessary, management of time and resources, and documentation.

3. The contractor shall secure and submit for conformance sign panel and sign structure shop drawings and calculations for each location. The shop drawings and calculations shall include the design of all related components and fasteners. This includes maximum hanger support spacing, number and spacing of required fasteners required per design. The shop drawings shall be signed and sealed by a structural engineer licensed in the state of Florida.

4. The contractor shall provide this:
   Tri-chord structures and foundations per current FDOT index 700-041.
   Aluminum sign panels and support beams per current FDOT index 700-030.
   Add guard rails as required per current FDOT index 536-001.
   Exposed steel on all sign structures shall be hot dipped galvanized.
   Signs and sign structures are to have a wind load of 150 mph.
   Sign structures to have ample capacity for more weight for future digital signage

5. New sign panels that replace existing ones or new sign panels added to an existing structure shall use the vertical hanger supports. The contractor shall survey the existing hanger locations and submit erection drawings for review.

6. All overhead signs shall be placed with a minimum clearance of 19' 6" from the highest point of the roadway surface.

7. Load tests will be required by the design-build firm's engineer of record.

8. All signs shall receive a panel designation and date decal on the back of panel in lower right corner of the sign using a highly reflective 3M material with UV over laminate. All structures shall receive their structure number designation 6 to 8 feet above grade on the back side of structure using a highly reflective 3M material with UV over laminate. The letters shall be 3.75" high black on a yellow background and shall be highly reflective.

9. The contractor is responsible for verifying existing utilities by a "soft hand dig" prior to commencing work.

10. Recycle all removed aluminum and provide credit back to GOAA.

Drill Shaft Foundations:
The contractor shall be responsible for the following:
1. Preparing and submitting drilled shaft installation plan for third party inspector acceptance.
2. Constructing all drilled shafts to the required tip elevation and socket requirement in accordance with the design.
3. Inspecting and documenting the construction of all drilled shafts in accordance with the design.
4. Performing Cross-Hole Sonic Logging (CSL) tests on drilled shafts, when required by FDOT specification.
5. Repairing all detected defects and conducting post repair integrity testing using 3D topographic imaging and/or gamma-gamma density logging.
6. Submitting foundation certification packages in accordance with the design.

Electrical:
Electrical per current FDOT index 700-031.
Provide metered power to each new sign structure location.
Provide a 30"x 24" NEMA 4x sign power enclosure or approved equivalent on the back side at the base of sign structure. Provide photo cell on top of enclosure.
Power to each structure to be coordinated with GOAA OAR team & OUC.

Landscape and Finish work:
Awarded contractor shall return the surrounding area to pre-construction condition including grading, positive drainage away from structure, irrigation, utilities, and landscape.

Quality Control:
A GOAA representative shall review all panels for final approval at an on site staging area prior to installation.

Reference Publications:
1. State of Florida Department of Transportation (FDOT) Design Standards for Design, Construction, maintenance and utility operations, latest edition.
2. Manual on Uniform Traffic Control Devices (MUTCD), latest edition.
3. Standard Highway Sign (SHS) Manual, latest edition.

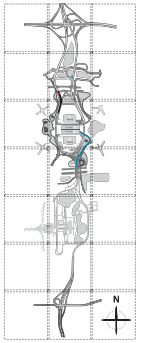
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

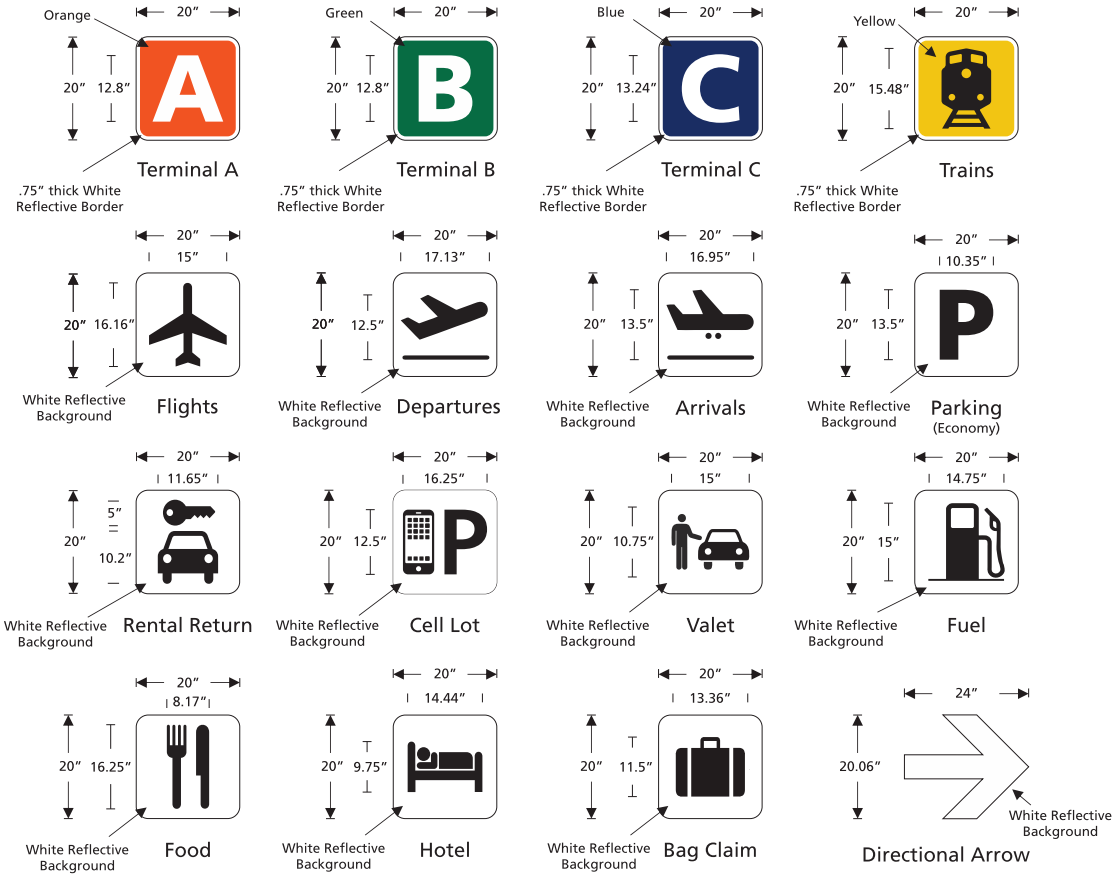
Drawing Title:

Project Details

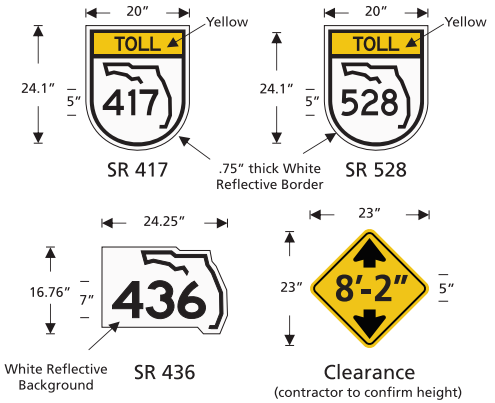
Drawing No.

01.03

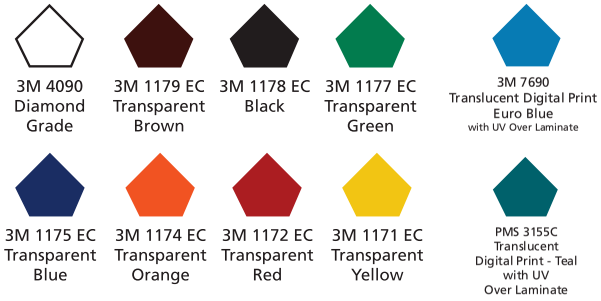
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



A Various Symbols
Scale is 1/2″ = 1′



B Various Symbols
Scale is 1/2″ = 1′



C GOAA Standard Roadway Colors

Notes:
Terminal symbol font = Frutiger 75 Black
Symbol sizes vary - scale accordingly

Graphic Materials:
Materials placed on the panels shall be per above color chart using 3M DG 4090 series reflective sheeting and 3M electronic cuttable film 1170 series.. Signs of like background color on the same structure are to use same roll of that color to insure a consistent shade of that color for that set of signs.
Graphic materials to be applied to the aluminum panels, preferably by a certified 3M facility.
Provide physical mock up of a airline sign for GOAA approval prior to fabrication (scaled down to 2′ tall).
Provide physical mock ups of each color on 4″ x 4″ x .125″ aluminum for GOAA approval.

Economy Parking Symbols

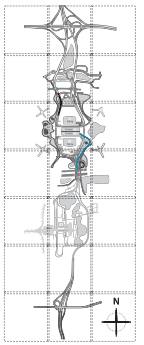
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Graphic Details

Drawing No.

01.04

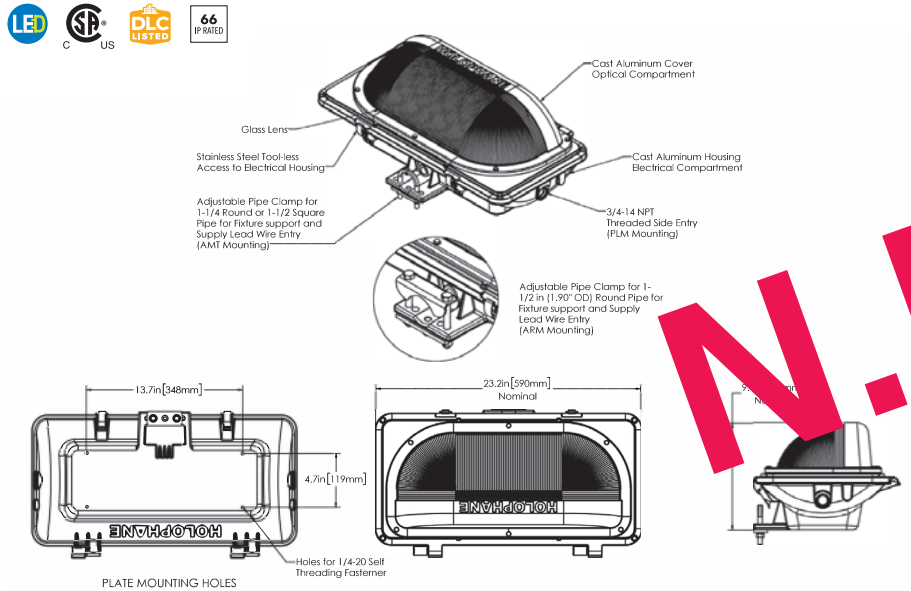
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

SVLED3

Sign-Vue® LED 3

DIMENSIONAL DATA

Max Weight: 27.1 lbs (12.3 Kg)
Max EPA: 0.67 ft² (0.06 m²)
CSA Certified to U.S. and Canadian Standards
Ambient Rating: 40°C
Wet Location



N.I.S.

SPECIFICATIONS

General Construction
Rugged cast aluminum alloy door and housing, allows for corrosion resistance and long life. U-bolt arm mount with+0/-5 degree vertical adjustment provides easy, secure installation and adjustability for arms 1.25 in. round (1.66 in. O.D.) or 1.5 in. square pipe (AMT mount), 1.50 in. round pipe (1.90" O.D.) (ARM mount), top or bottom mount. Also available with plate style mount (PLM) with two 3/4-14 NPT threaded side entries. Stainless steel tool-less latch disengages top optical door for easy access to terminal block, surge protection module, and LED driver. Removable optical door for ease of installation. Quick disconnect connectors for ease of installation and maintenance.

Environ
- Lumi[illegible]esigned and tested to comply with ANSI C136:31 2001 [illegible]0,000 cycles at 3.0G acceleration for bridges and overpa[illegible]
- The range o[illegible]ation is -40°C to +40°C.
- Luminaire assembly m[illegible]ust an[illegible]ure rating of IP-66 per IEC 60529, ensurin[illegible] component life and protection from the envi[illegible]
- Th[illegible]minair[illegible]nished with polyester paint applied after a[illegible]eatment process to ensure maximum durability. The finish shall pass the 5000 hour salt fog test per ASTM B117 and D1654standards, with a scribe rating ≥7.

Regulatory
- Cycling and Condensing Humidity testing per Acuity Brands validation Test Specification 902-00007-001
- The luminaire is safety listed to CSA-C22.2 number 25, wet location, 40°C ambient.
- The luminaire is ROHS compliant. Luminaire meets EMI compliance per FCC Title 47 CFR Part 15, Class A.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Electrical
- Standard surge protection is 20kV/10kA "Extreme Level" per ANSI C136.2, with indicator light.
- The luminaire is designed to conform to ANSI C82.77:2002 for Maximum Total Harmonic Distortion (iTHD) <20%. Inrush current complies with NEMA410:2004 table B-2 and line Fluctuations and Ramp input voltage per UL 991:2004.
- The luminaire conforms to Electromagnetic compatibility tests for Electrostatic Discharge (ESD) per IEC 61000-4-2:2001, Level 4.
- All drivers have (0-10 volt) dimming capability.
- LED light engines are rated >100,000 hours at 25°C ambient
- Electronic driver has an expected life of >100,000 hours at 25°C ambient

Optical
- Highly engineered silicone optics, paired with borosilicate glass refractor provide overlapping and repeatable distribution from each light module eliminating dark spots and providing industry leading uniformity.
- The luminaire is available with LED color temperature of 3000K, 4000K, 5000K or 5700K.
- Reference www.Holophane.comfor individual photometric tests on Sign-Vue LED 3 luminaire that are tested per LM79 guidelines.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.

Notes:
Light to be installed facing down.
Light arms and supports per current FDOT requirements.

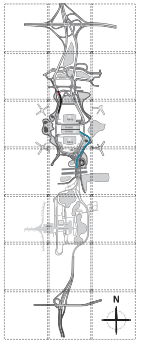
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

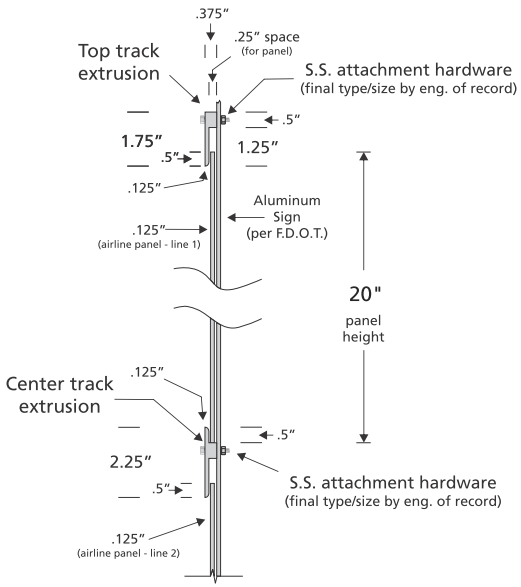
Drawing Title:

Luminaire Details

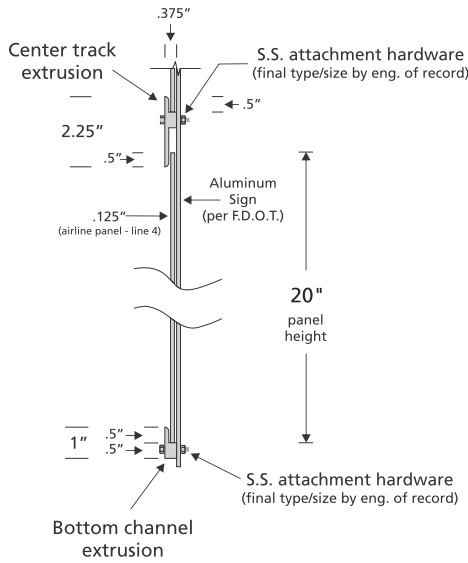
Drawing No.

01.05

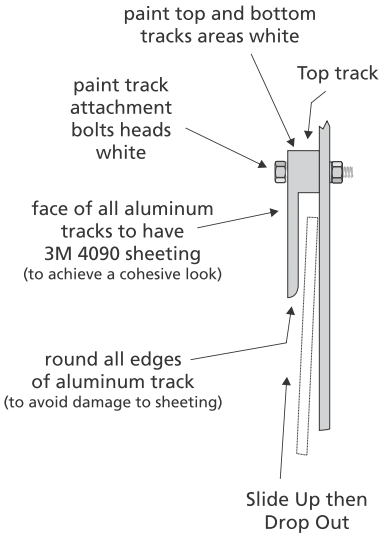
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



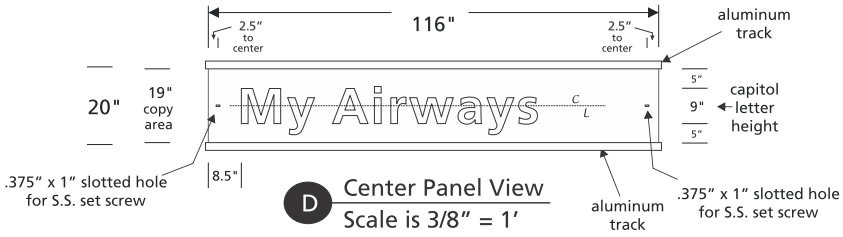
A Airline Cut Section (top section)
Not to Scale



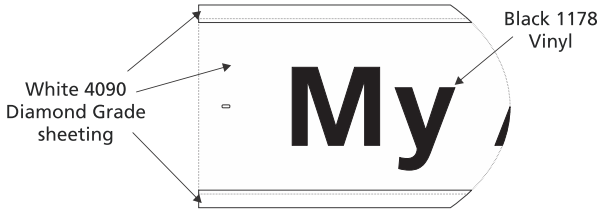
B Airline Cut Section (bottom section)
Not to Scale



C Track Details
Not to Scale



D Center Panel View
Scale is 3/8" = 1'



E Center Panel View
Not to Scale

Notes:

Removable airline panel to have set screws on each end.
Provide (12) removable panels per 11'-6" x 30' airline sign with 3M 4090 diamond grade reflective (background) and 3M 1178 black vinyl (airline name)
Provide (4) attic stock panels per 11'-6"x 30' airline sign with 3M 4090 diamond grade reflective (background) only
Airline Names = Frutiger 65 (17% letter spacing + 122% word spacing)
Final airline names to be provided by GOAA prior to fabrication.
Final airline track attachment details by the EOR.

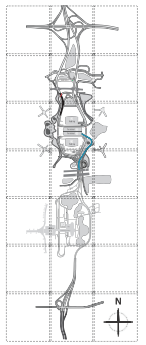
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:
Airline Panel Details

Drawing No.
01.06

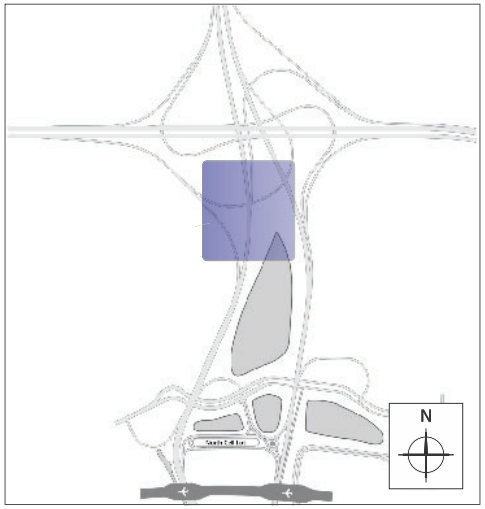
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

1 Existing Elevation View (SA.10)
Not to Scale

1 Elevation View (SA.50)
Not to Scale

General Location Area

1 Site View
Not to Scale



1 Location View
Not to Scale

Bid Scope

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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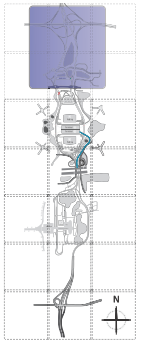
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SA.10

Drawing No.

01.07

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

1 Graphic View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (30% letter spacing)
"Orlando International Airport" = Frutiger 65 (17% letter spacing + 122% word spacing)
*Survey to confirm details prior to fabrication

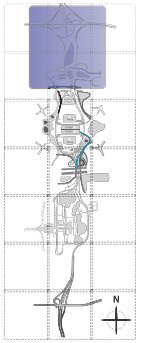
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

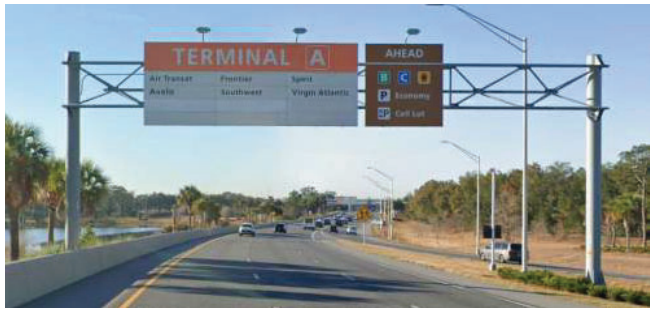
OT - SA.10

Drawing No.

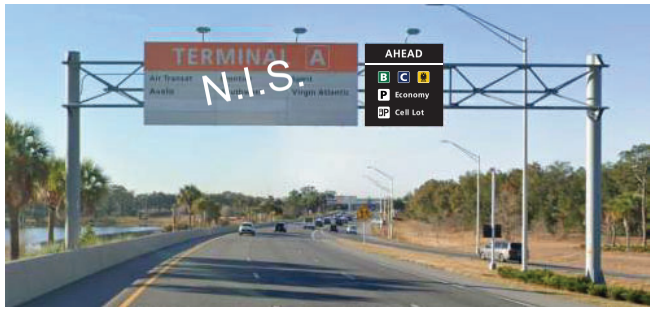
01.08

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 471.5
Proposed SQ footage = 471.5



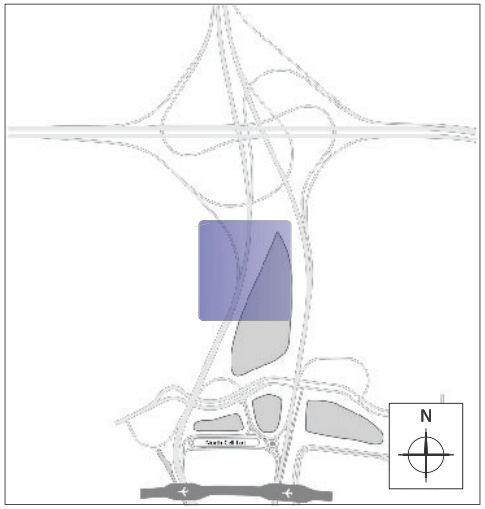
2 Existing Elevation View (SA.15)
Not to Scale



2 Elevation View (SA.15)
Not to Scale

General Location Area

2 Site View
Not to Scale



2 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

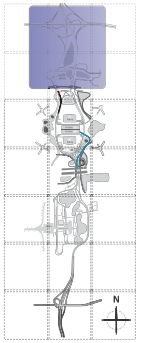
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

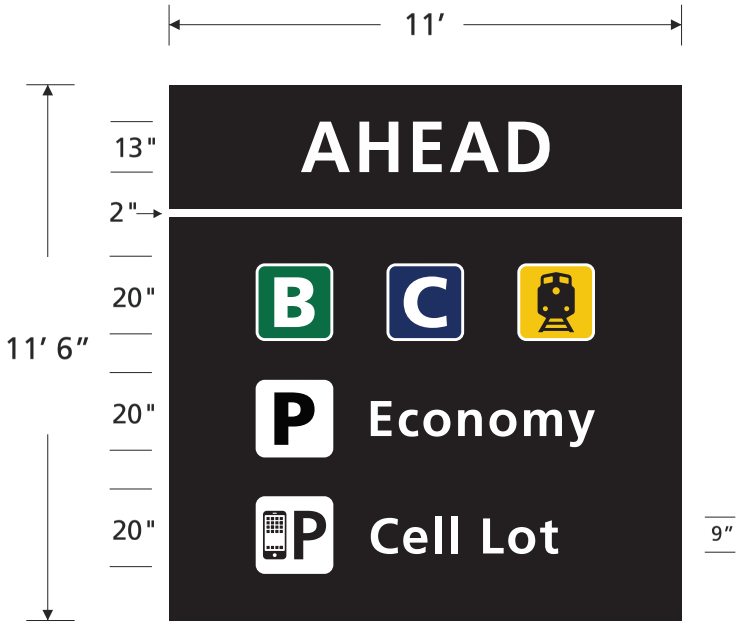
Drawing Title:

OT - SA.15

Drawing No.

01.09

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



2 Graphic View
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
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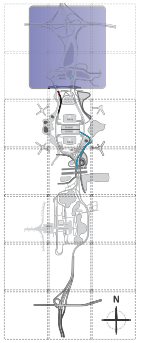
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

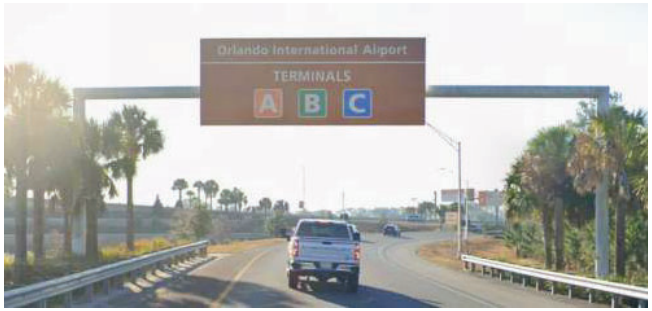
OT - SA.15

Drawing No.

01.10

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 345
Proposed SQ footage = 345

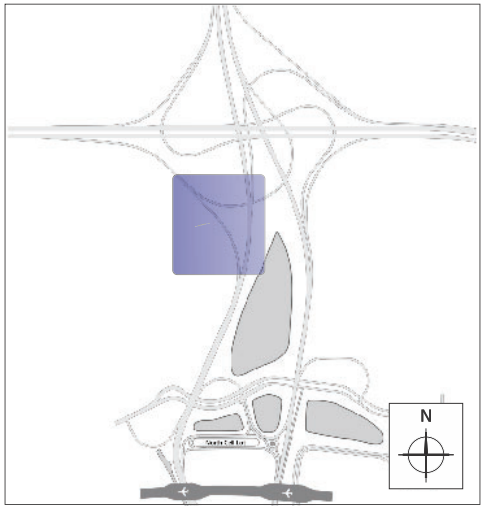


3 Existing Elevation View (SA.20)
Not to Scale

3 Elevation View (SA.20)
Not to Scale

General Location Area

3 Site View
Not to Scale



3 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

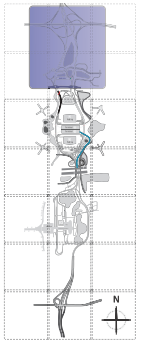
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SA.20

Drawing No.

01.11

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

1 Graphic View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (30% letter spacing)
"Orlando International Airport" = Frutiger 65 (17% letter spacing + 122% word spacing)
*Survey to confirm details prior to fabrication

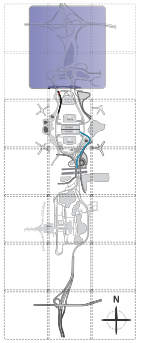
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SA.20

Drawing No.

01.12

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

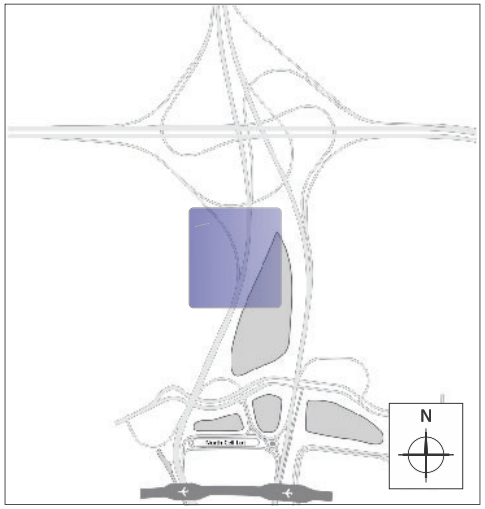
Existing SQ footage = 455
Proposed SQ footage = 455

4 Existing Elevation View (SA.25)
Not to Scale

4 Elevation View (SA.25)
Not to Scale

General Location Area

4 Site View
Not to Scale



4 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

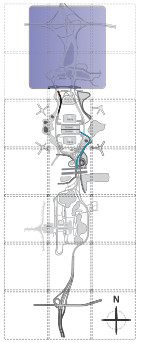
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

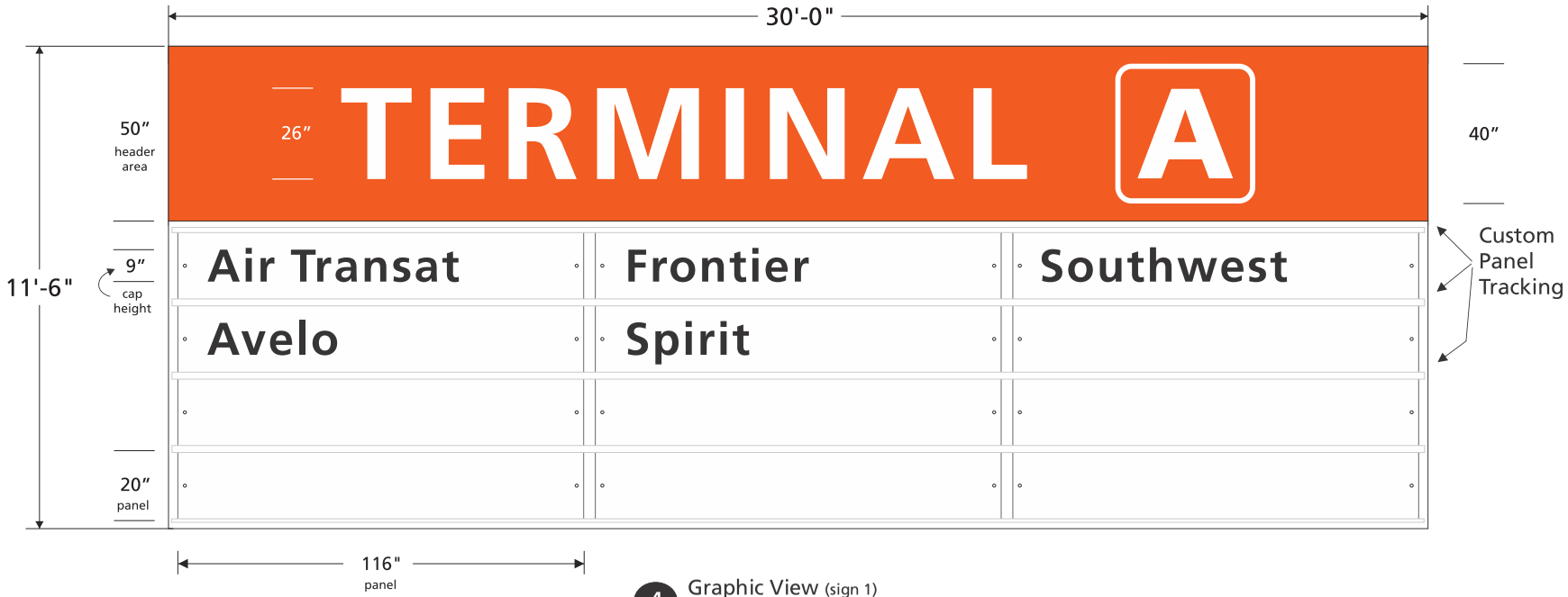
Drawing Title:

OT - SA.25

Drawing No.

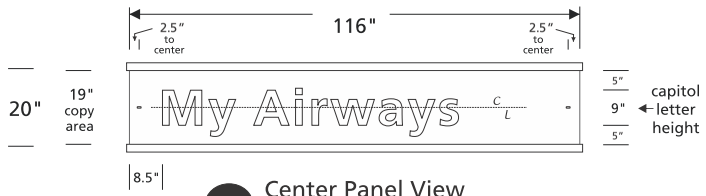
01.13

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



4 Graphic View (sign 1)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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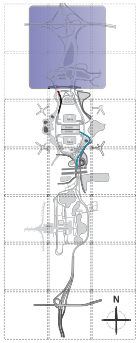
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

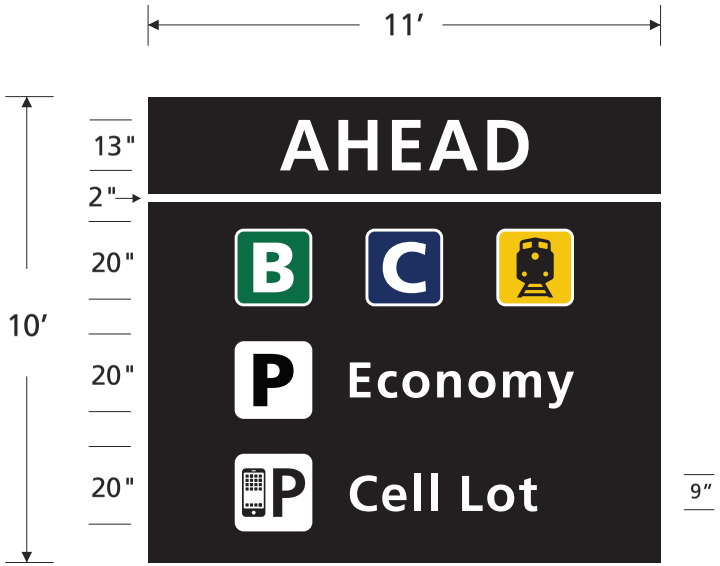
Drawing Title:

OT - SA.25

Drawing No.

01.14

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



4 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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100 E Pine St
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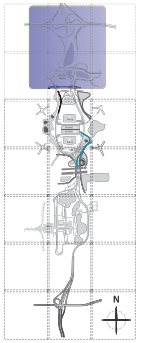
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

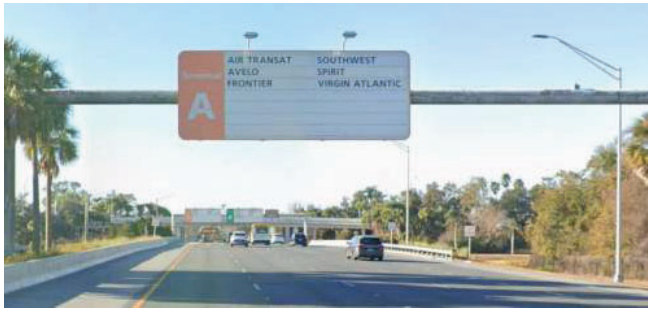
OT - SA.25

Drawing No.

01.15

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

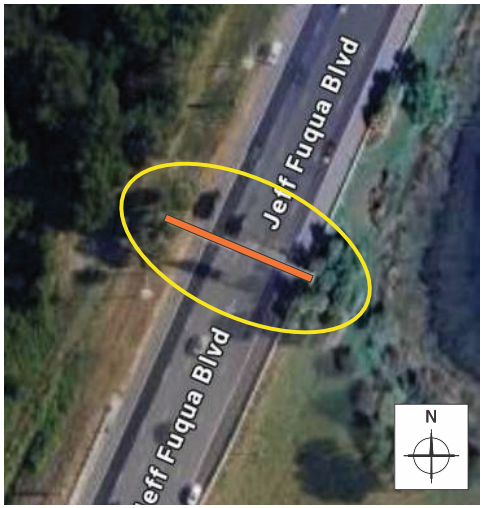
Existing SQ footage = 345
Proposed SQ footage = 345



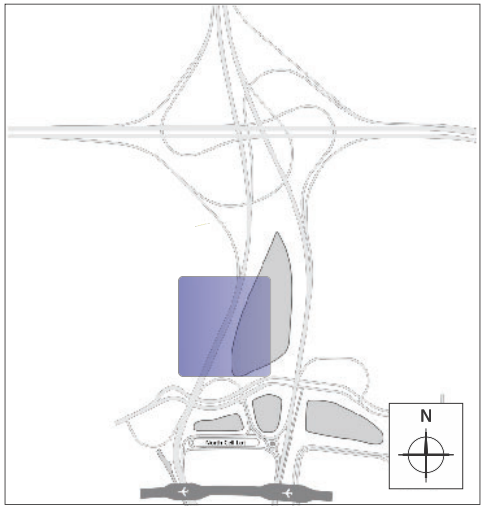
5 Existing Elevation View (SA.30)
Not to Scale

5 Elevation View (SA.30)
Not to Scale

General Location Area



5 Site View
Not to Scale



5 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

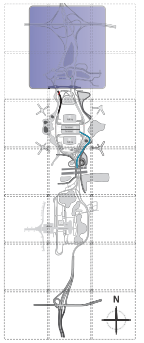
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

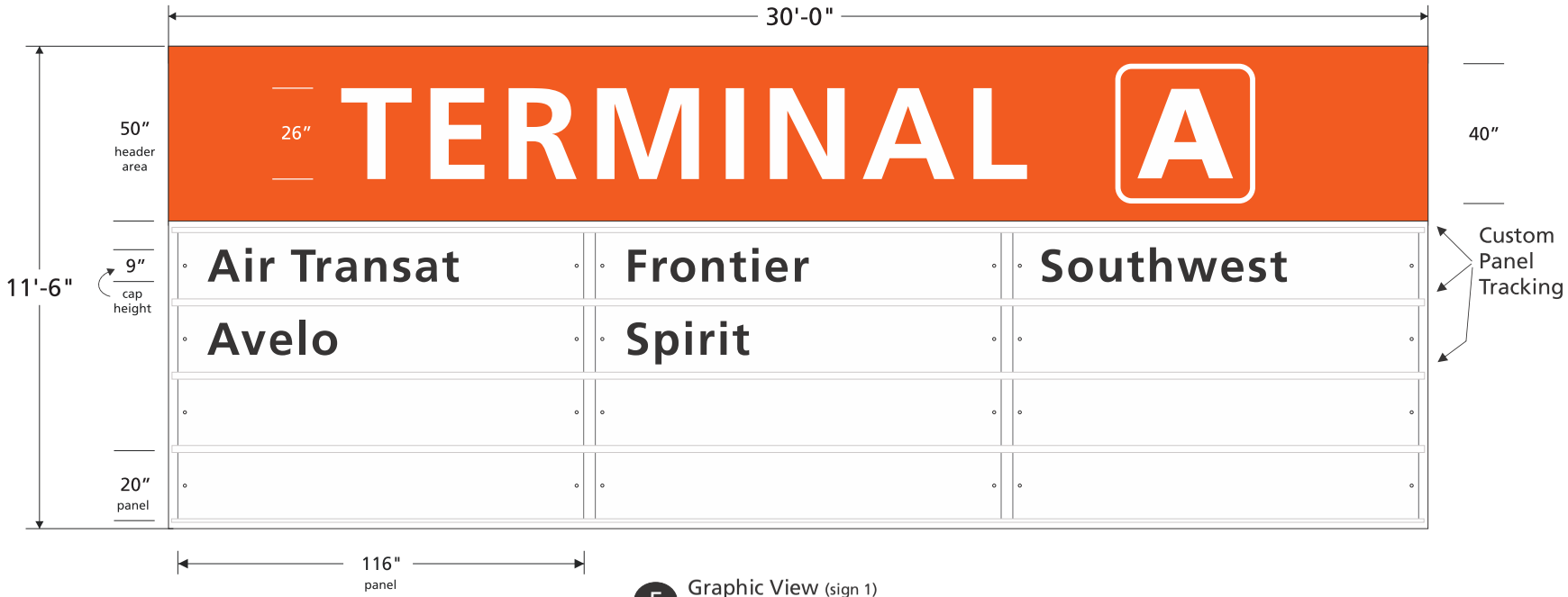
Drawing Title:

OT - SA.30

Drawing No.

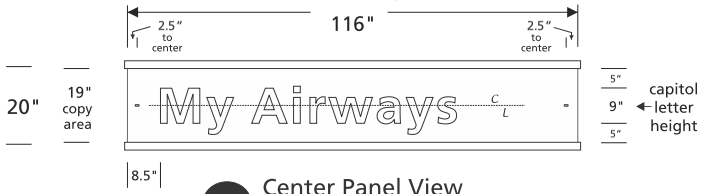
01.16

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



5 Graphic View (sign 1)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

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G-0050
Overhead Roadway Sign Updates

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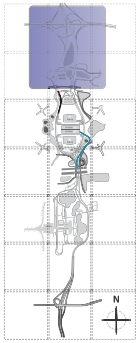


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SA.30

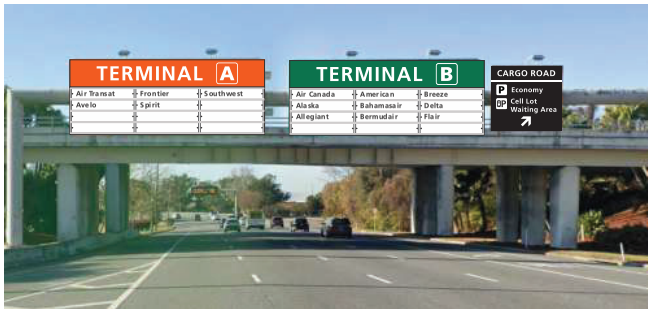
Drawing No.

01.17

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

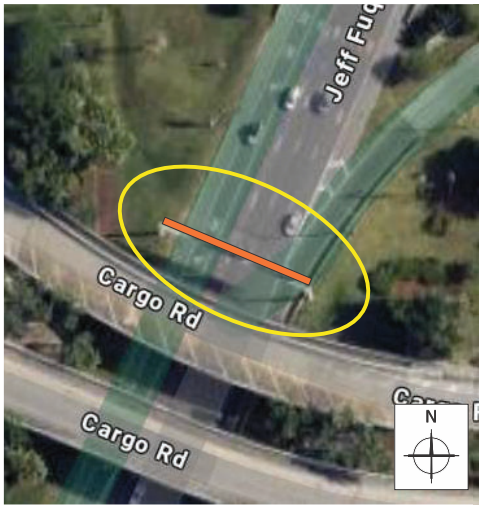
Existing SQ footage = 800
Proposed SQ footage = 800

6 Existing Elevation View (SA.35)
Not to Scale

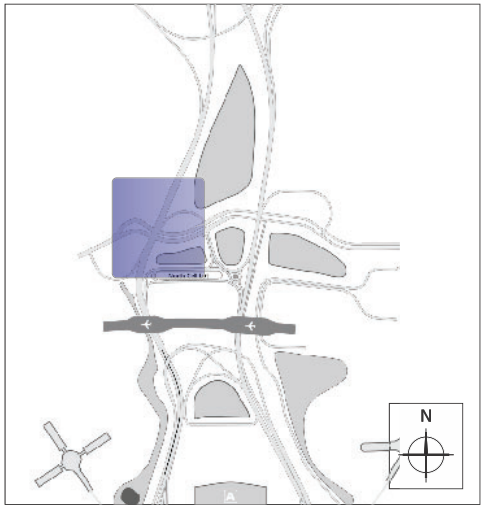


6 Elevation View (SA.35)
Not to Scale

General Location Area



6 Site View
Not to Scale



6 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
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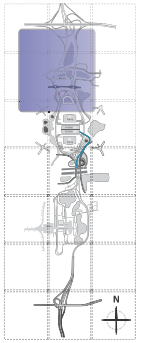


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

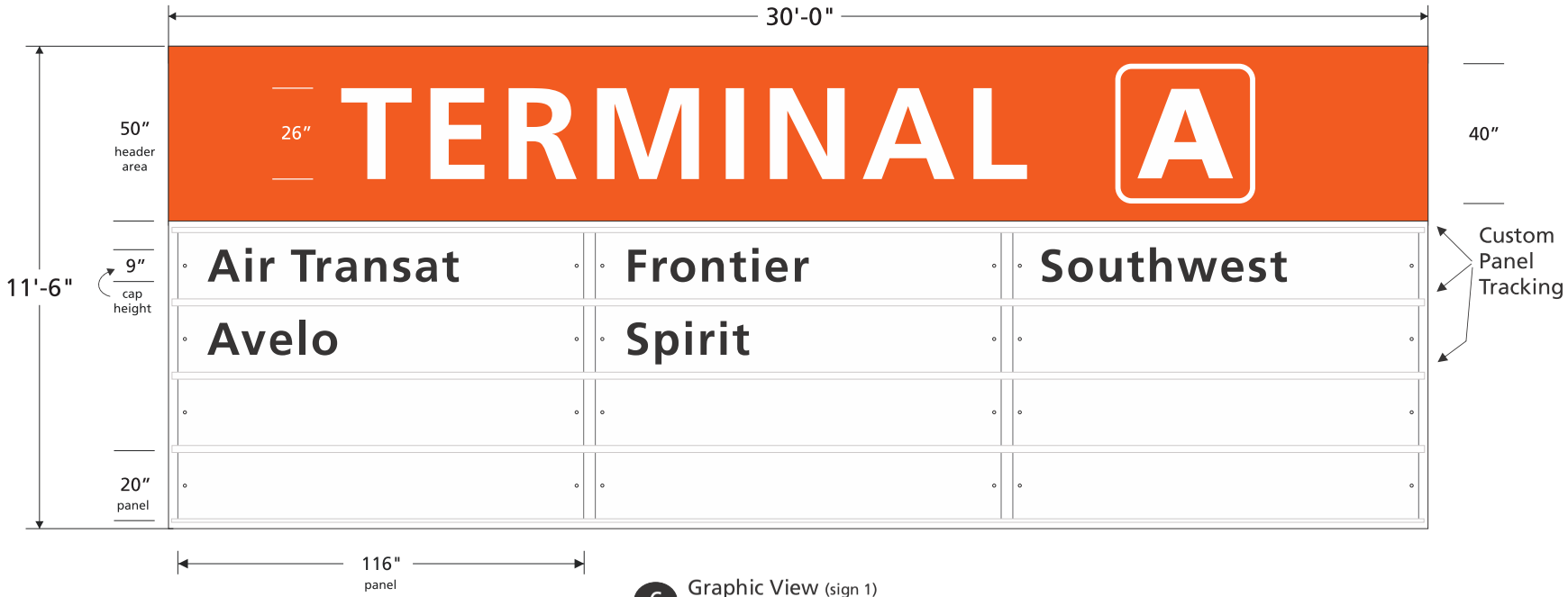
Drawing Title:

OT - SA.35

Drawing No.

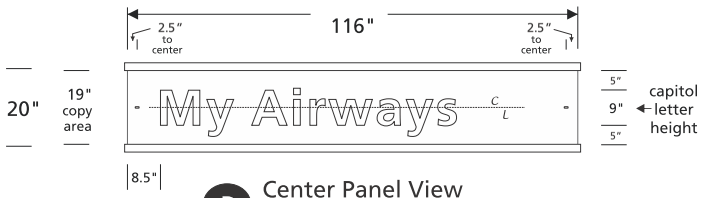
01.18

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



6 Graphic View (sign 1)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
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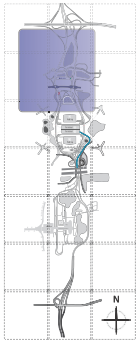


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

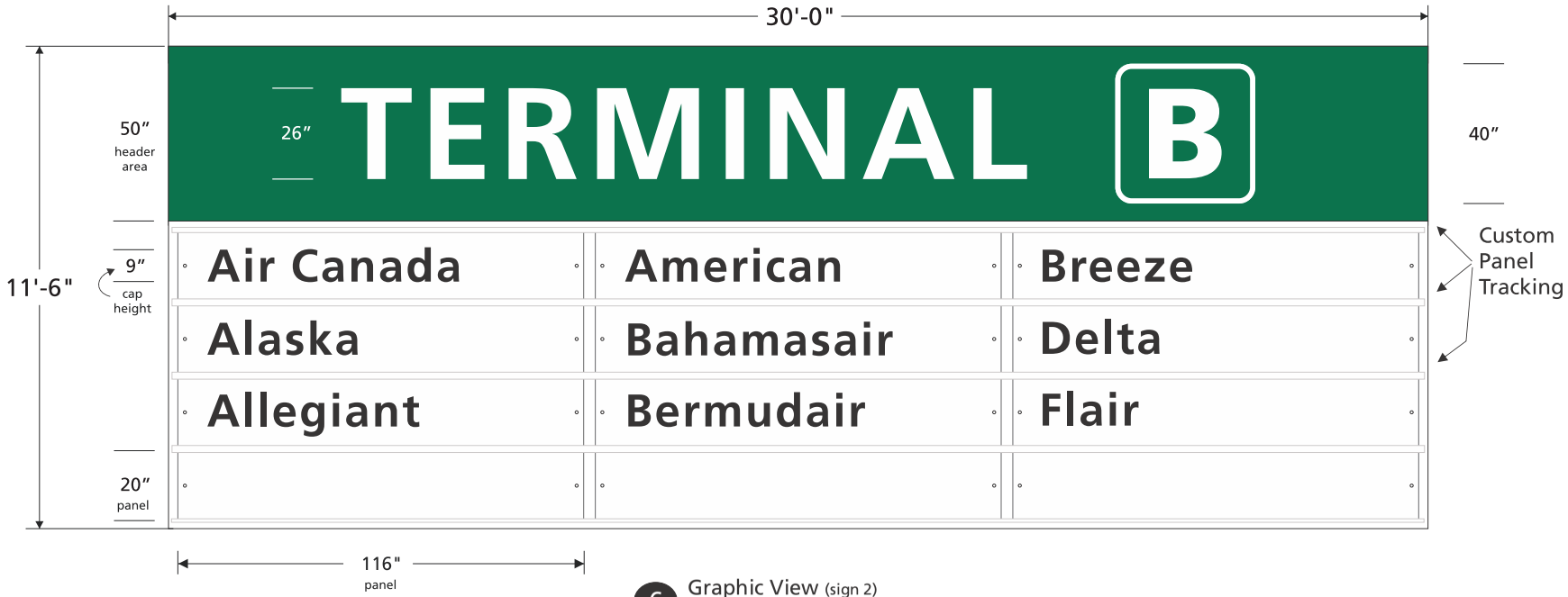
Drawing Title:

OT - SA.35

Drawing No.

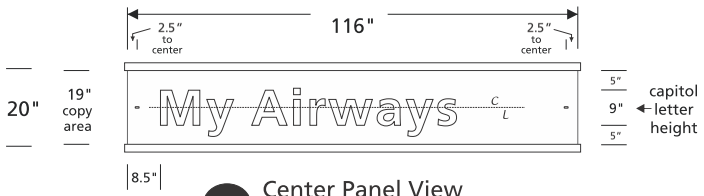
01.19

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



6 Graphic View (sign 2)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

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Overhead Roadway Sign Updates

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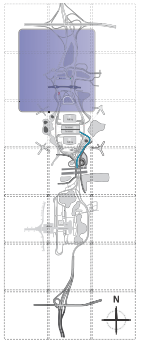


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

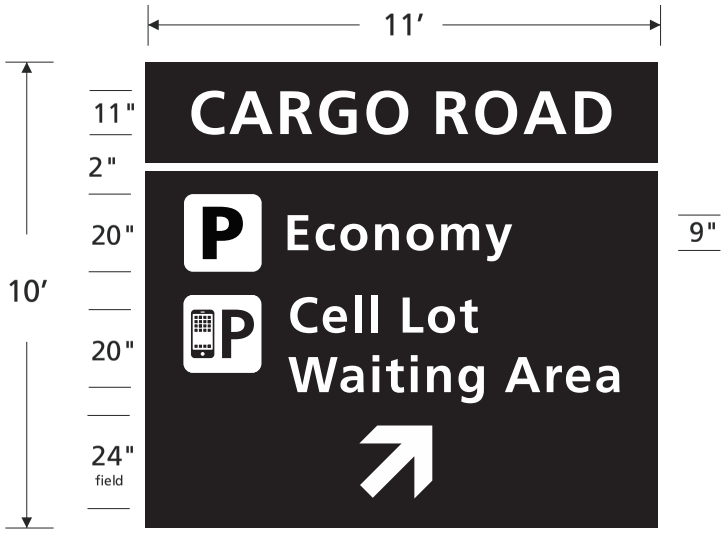
Drawing Title:

OT - SA.35

Drawing No.

01.20

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



6 Graphic View (sign 3)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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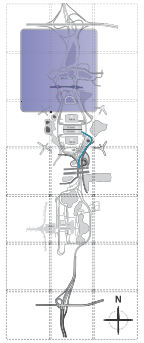
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

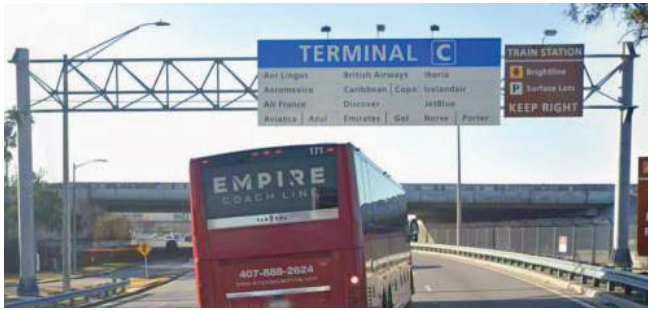
OT - SA.35

Drawing No.

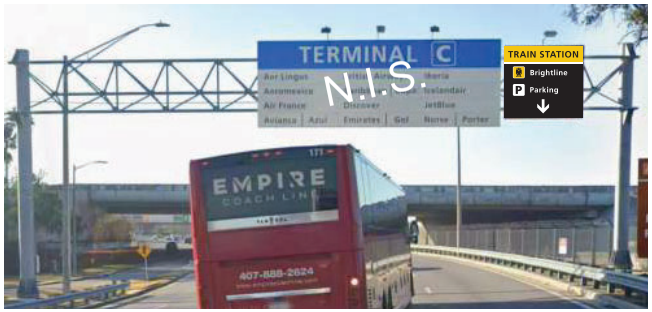
01.21

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 518
Proposed SQ footage = 518

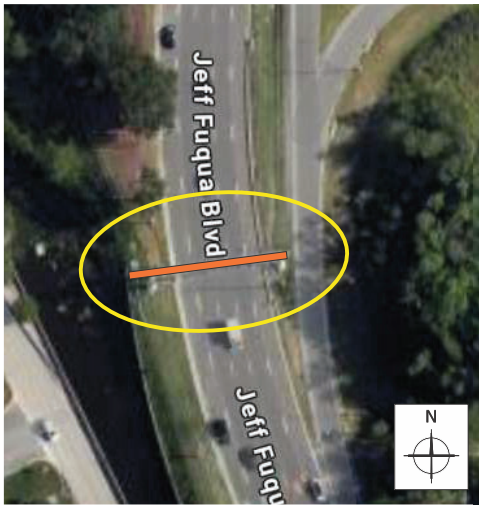


7 Existing Elevation View (SA.40)
Not to Scale

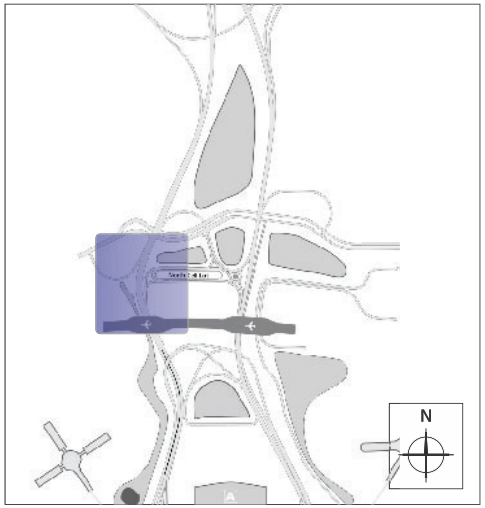


7 Elevation View (SA.40)
Not to Scale

General Location Area



7 Site View
Not to Scale



7 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

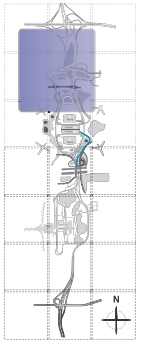
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

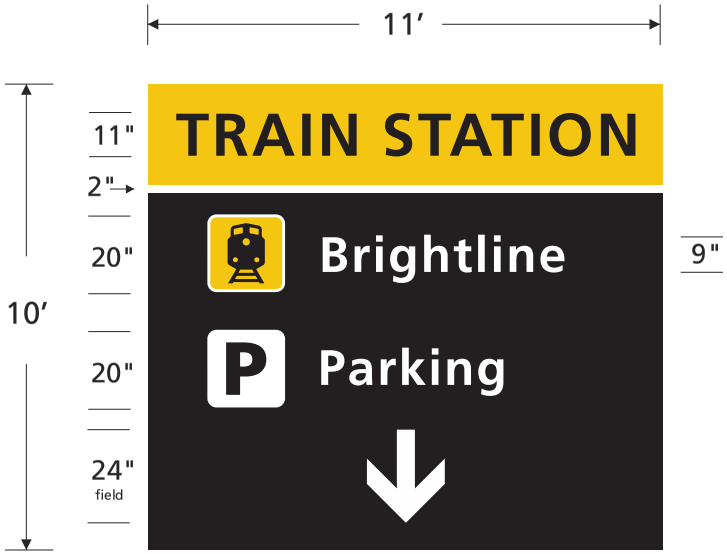
Drawing Title:

OT - SA.40

Drawing No.

01.22

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



7 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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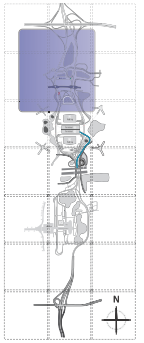


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SA.40

Drawing No.

01.23

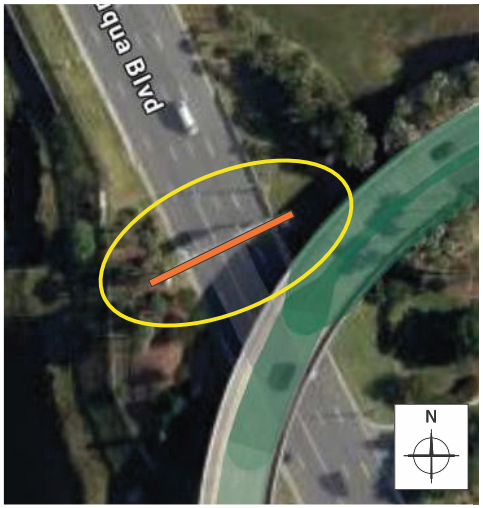
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 690
Proposed SQ footage = 690

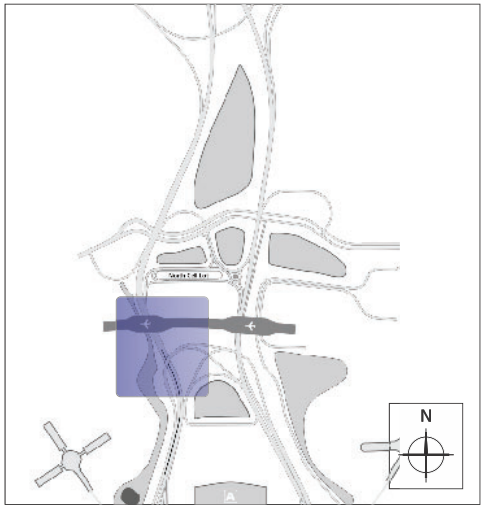
8 Existing Elevation View (SA.45)
Not to Scale

8 Elevation View (SA.45)
Not to Scale

General Location Area



8 Site View
Not to Scale



8 Location View
Not to Scale

Remove existing signs - if replacing
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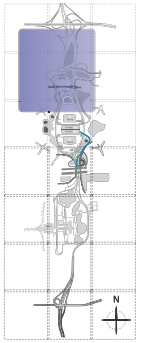


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

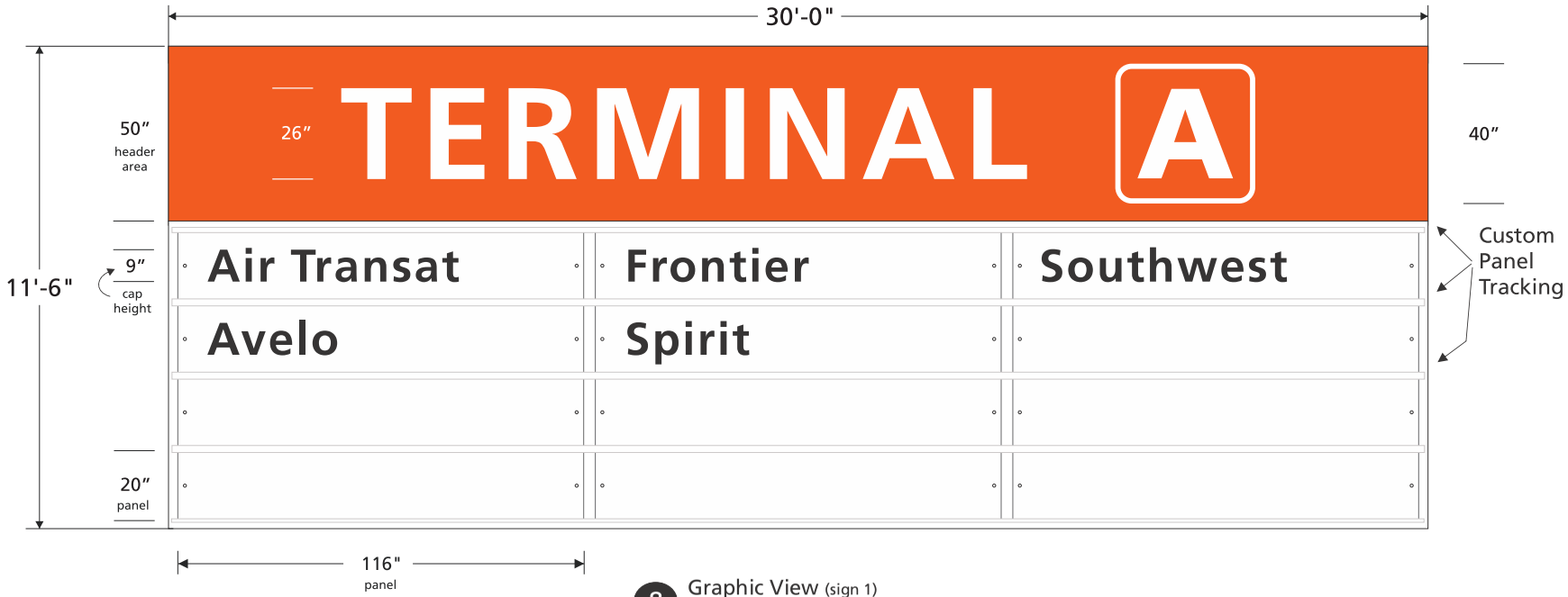
Drawing Title:

OT - SA.45

Drawing No.

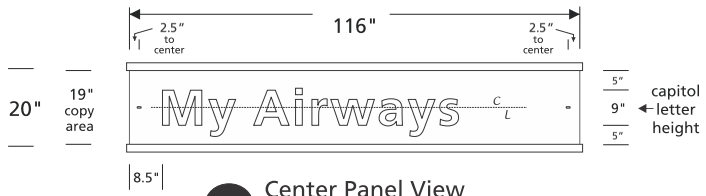
01.24

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



8 Graphic View (sign 1)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
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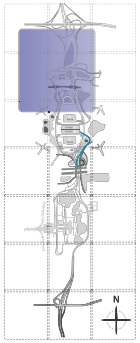


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

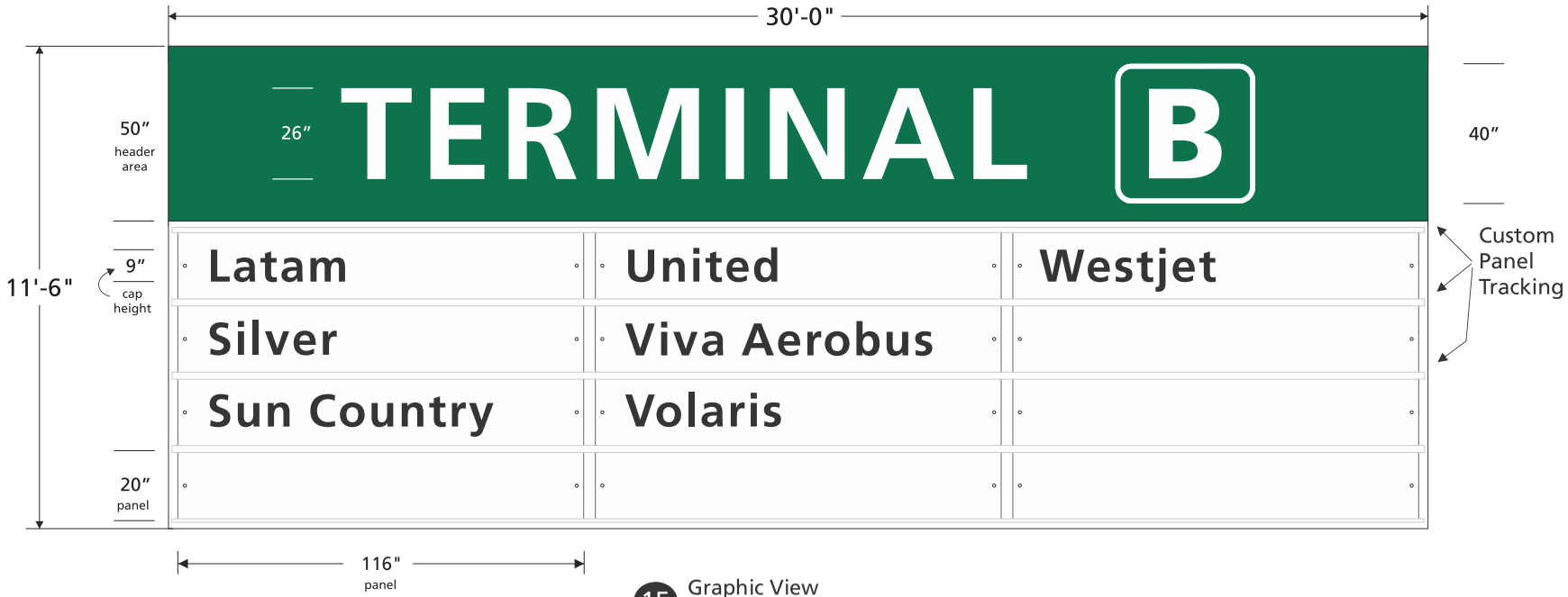
Drawing Title:

OT - SA.45

Drawing No.

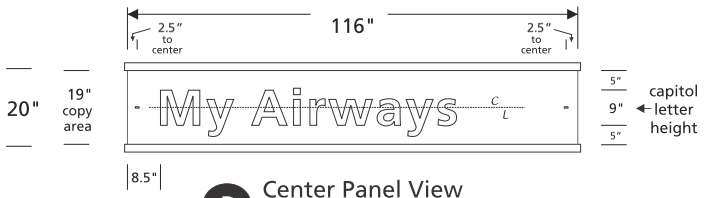
01.25

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



15 Graphic View
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
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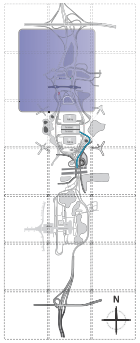


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

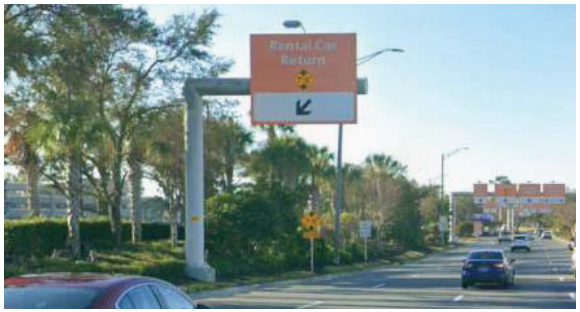
OT - SA.45

Drawing No.

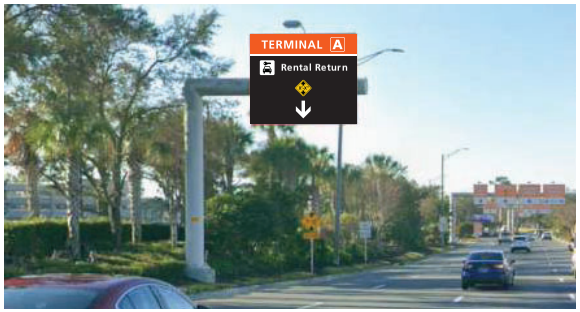
01.26

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 120
Proposed SQ footage = 120



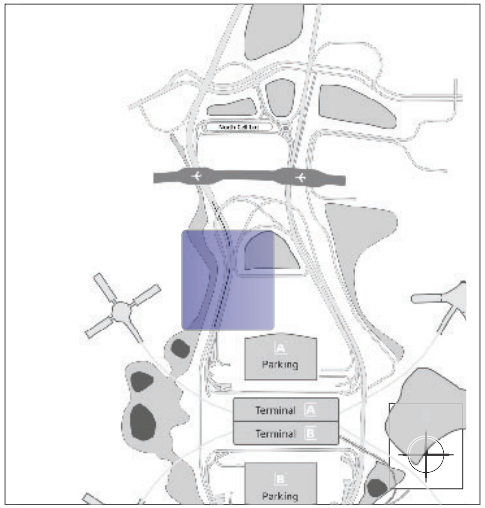
9 Existing Elevation View (LA.00)
Not to Scale



9 Elevation View (LA.00)
Not to Scale

General Location Area

9 Site View
Not to Scale



9 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
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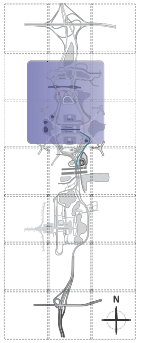
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

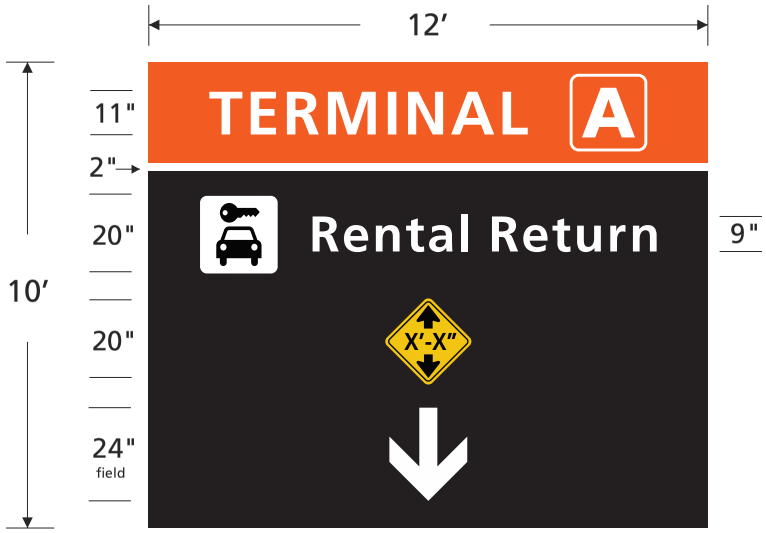
Drawing Title:

OC - LA.00

Drawing No.

01.27

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



9 Graphic View
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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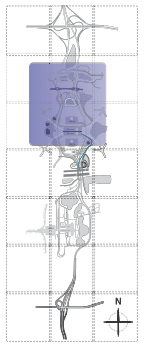


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - LA.00

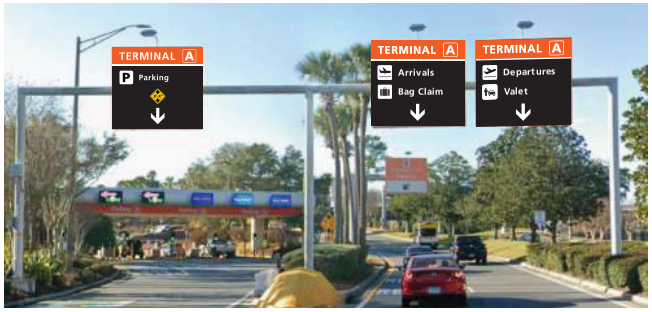
Drawing No.

01.28

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

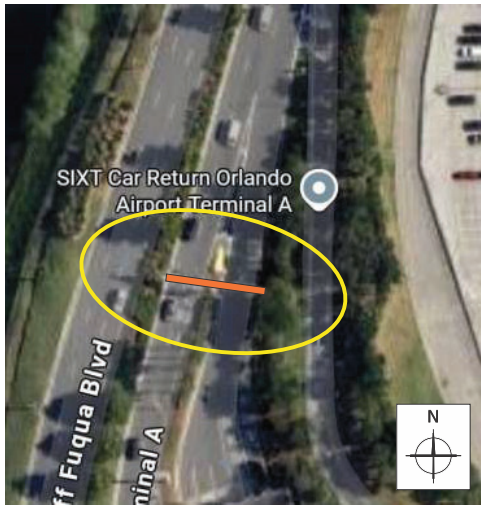
Existing SQ footage = 330
Proposed SQ footage = 330

10 Existing Elevation View (LA.01)
Not to Scale

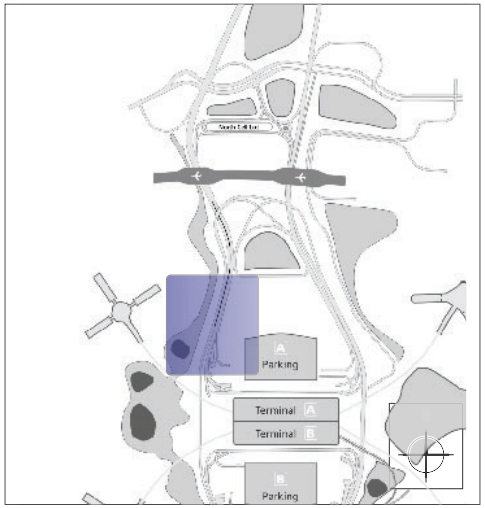


10 Elevation View (LA.01)
Not to Scale

General Location Area



10 Site View
Not to Scale



10 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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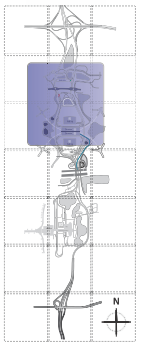


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LA.01

Drawing No.

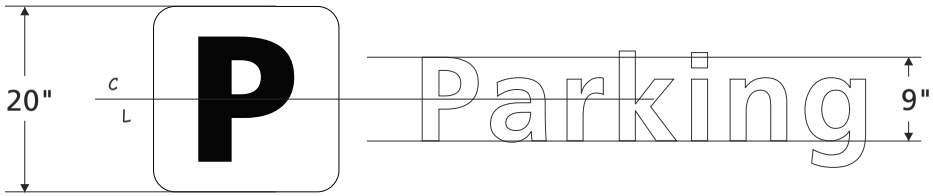
01.29

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

10 Graphic View (sign 1)
Scale is 3/8″ = 1′

10 Graphic View (sign 2)
Scale is 3/8″ = 1′

10 Graphic View (sign 3)
Scale is 3/8″ = 1′



Center Text on 9” tall Capitol Letter
“k’s & l’s” are taller make 9” for capitol letter

“Text” = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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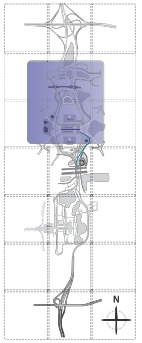


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LA.01

Drawing No.

01.30

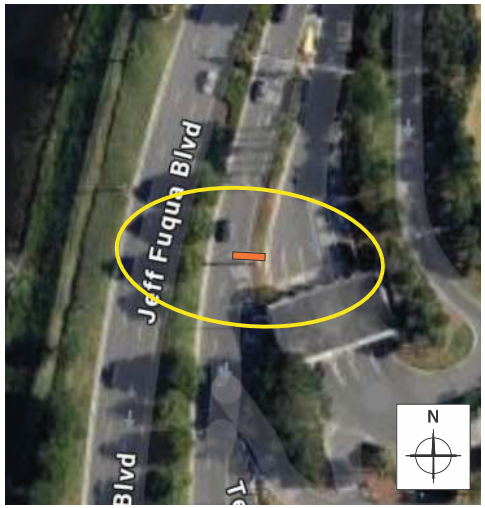
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 120
Proposed SQ footage = 120

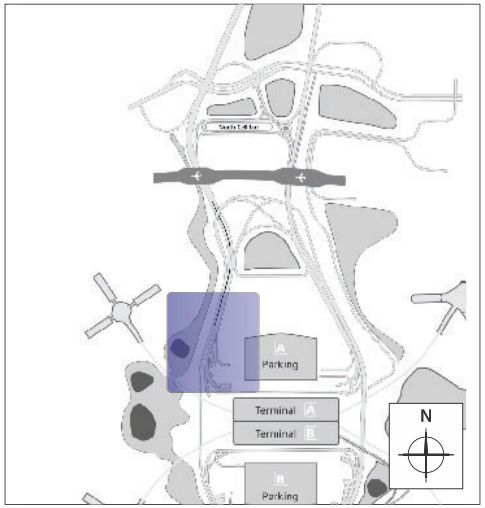
11 Existing Elevation View (LA.02)
Not to Scale

11 Elevation View (LA.02)
Not to Scale

General Location Area



11 Site View
Not to Scale



11 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
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Overhead Roadway Sign Updates

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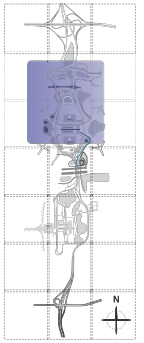


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

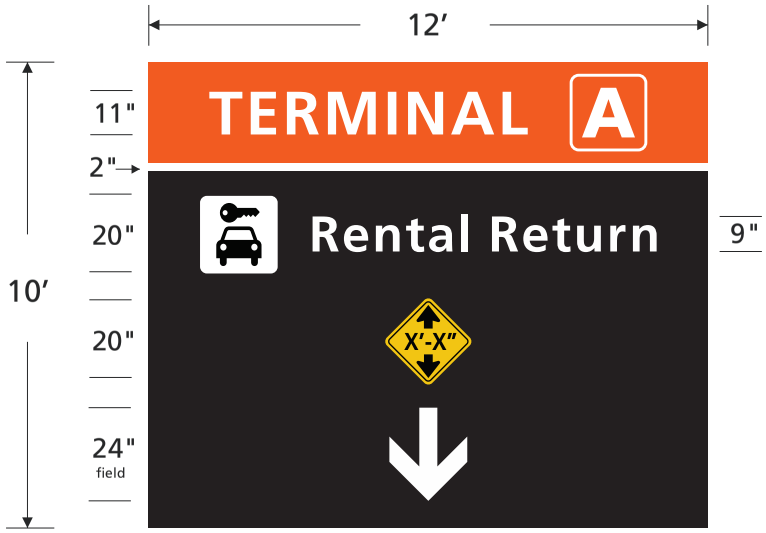
Drawing Title:

OT - LA.02

Drawing No.

01.31

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



11 Graphic View
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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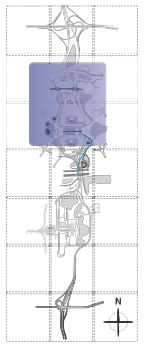


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - LA.02

Drawing No.

01.32

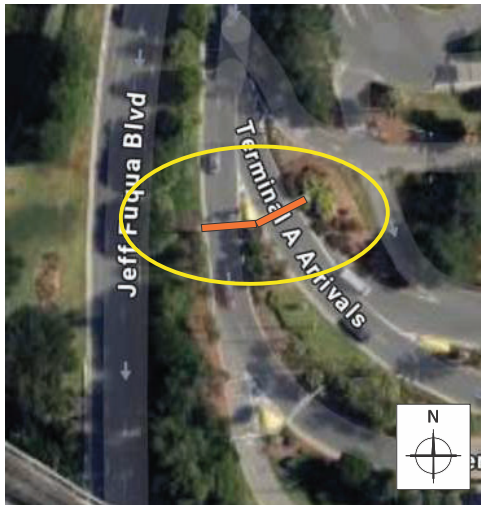
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 400
Proposed SQ footage = 390

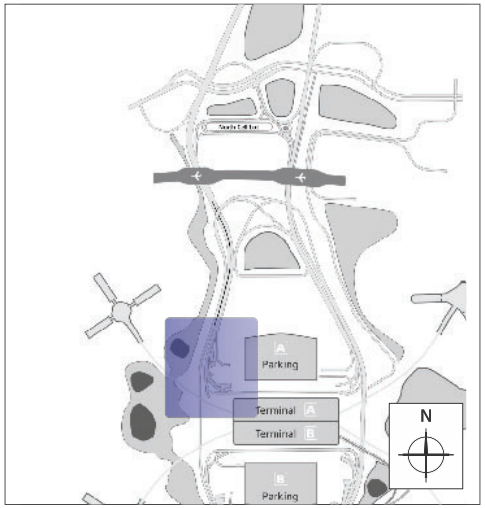
12 Existing Elevation View (LA.03)
Not to Scale

12 Elevation View (LA.03)
Not to Scale

General Location Area



12 Site View
Not to Scale



12 Location View
Not to Scale

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Overhead Roadway Sign Updates

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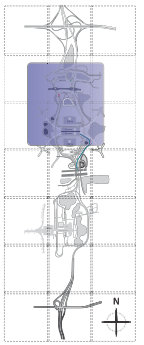

Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LA.03

Drawing No.

01.33

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

12 Graphic View (sign 1)
Scale is 3/8" = 1′

12 Graphic View (sign 2)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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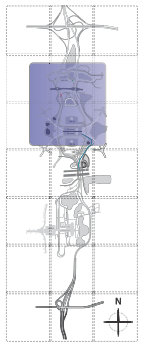
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

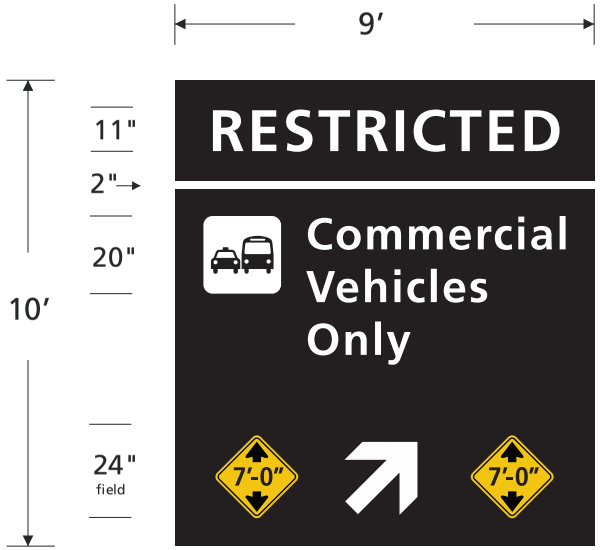
Drawing Title:

OC - LA.03

Drawing No.

01.34

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



12 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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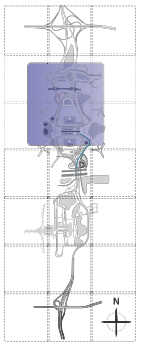
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - LA.03

Drawing No.

01.35

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

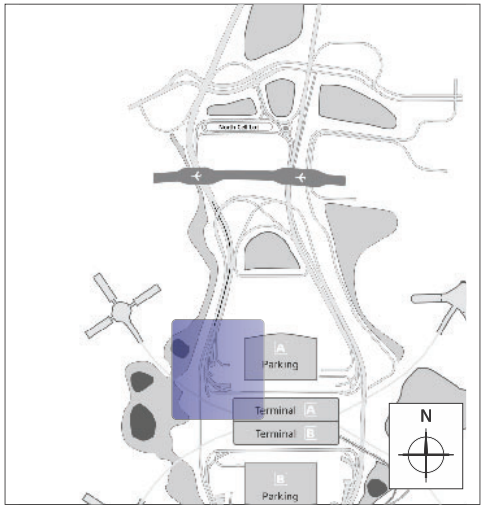
Existing SQ footage = 290
Proposed SQ footage = 290

13 Existing Elevation View (LA.04)
Not to Scale

13 Elevation View (LA.04)
Not to Scale

General Location Area

13 Site View
Not to Scale



13 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
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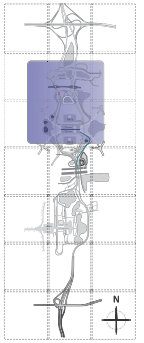
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LA.04

Drawing No.

01.36

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

13 Graphic View (sign 1)
Scale is 3/8″ = 1′

13 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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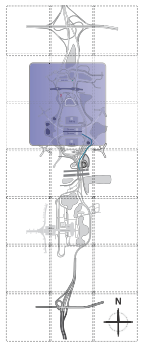


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - LA.04

Drawing No.

01.37

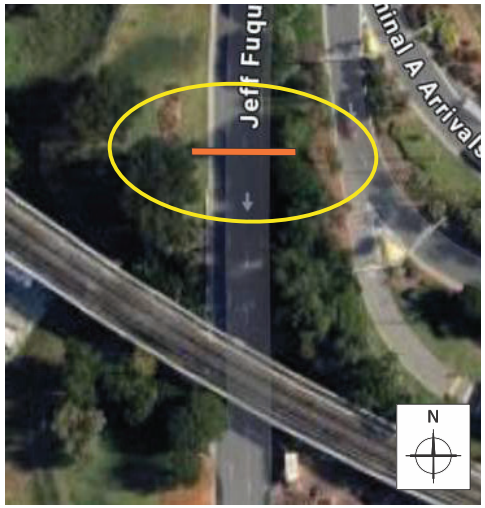
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 300
Proposed SQ footage = 300

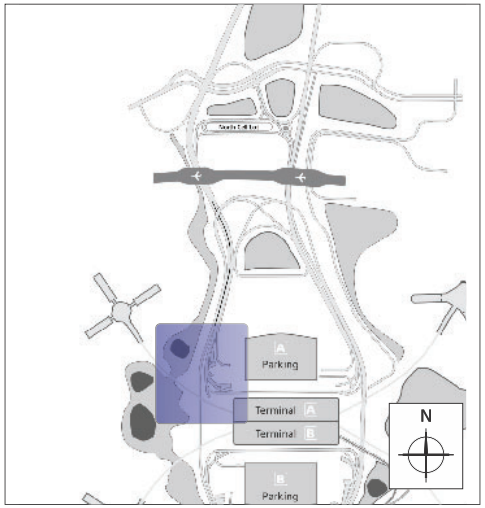
14 Existing Elevation View (SA.57)
Not to Scale

14 Elevation View (SA.57)
Not to Scale

General Location Area



14 Site View
Not to Scale



14 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
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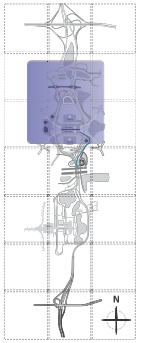


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

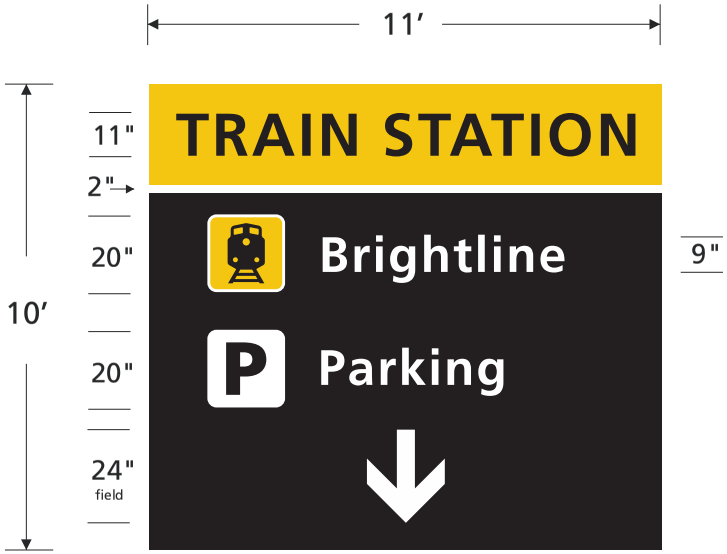
Drawing Title:

OT - SA.57

Drawing No.

01.38

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



14 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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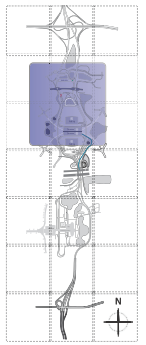
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SA.57

Drawing No.

01.39

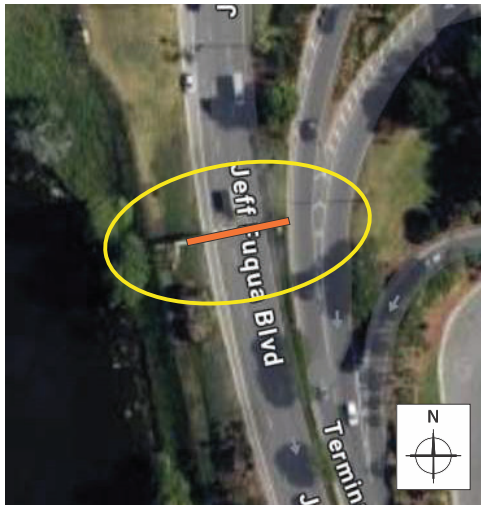
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 290
Proposed SQ footage = 290

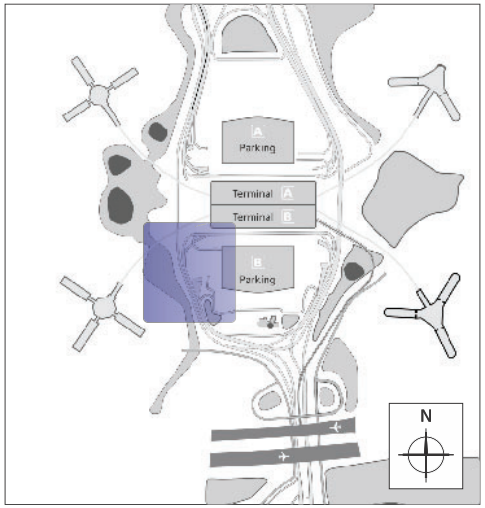
15 Existing Elevation View (SB.60)
Not to Scale

15 Elevation View (SB.60)
Not to Scale

General Location Area



15 Site View
Not to Scale



15 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
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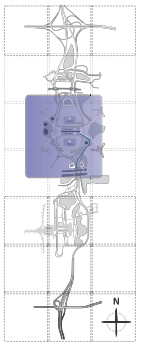
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

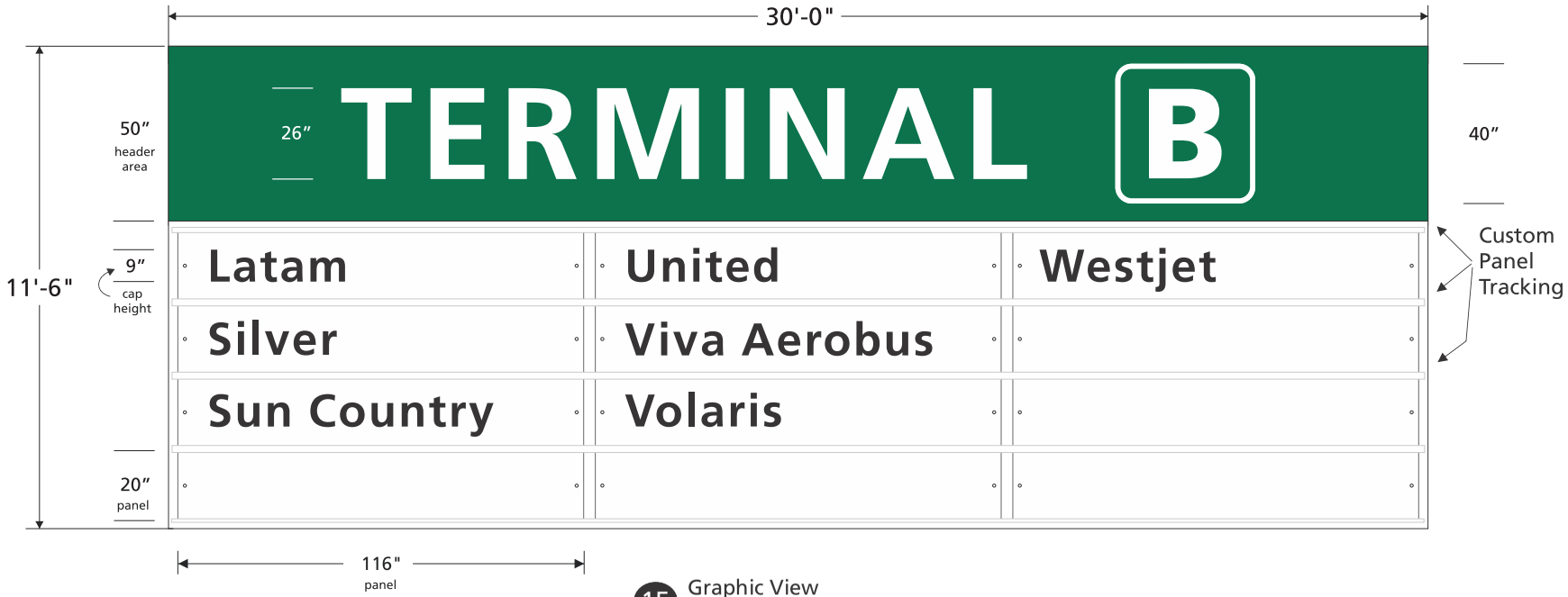
Drawing Title:

OT - SB.60

Drawing No.

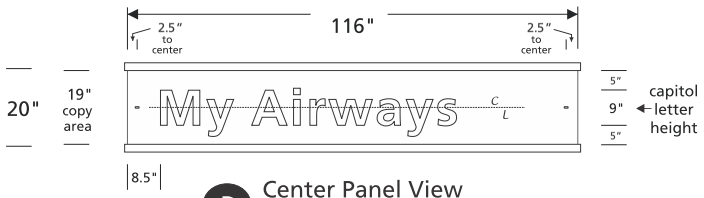
01.40

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



15 Graphic View
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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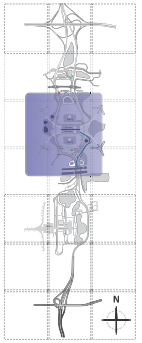
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

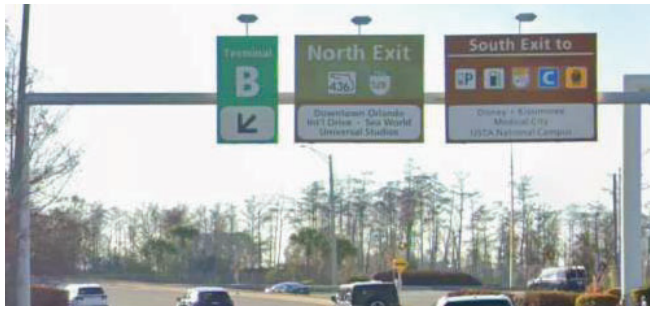
OT - SB.60

Drawing No.

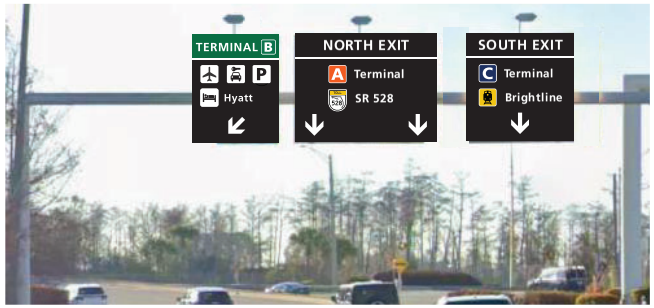
01.41

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 320
Proposed SQ footage = 320

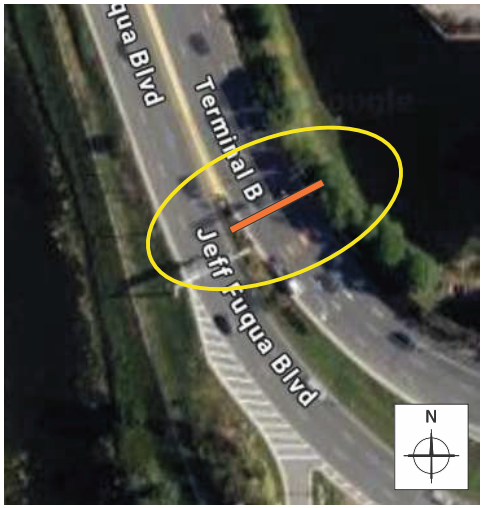


16 Existing Elevation View (SB.65)
Not to Scale

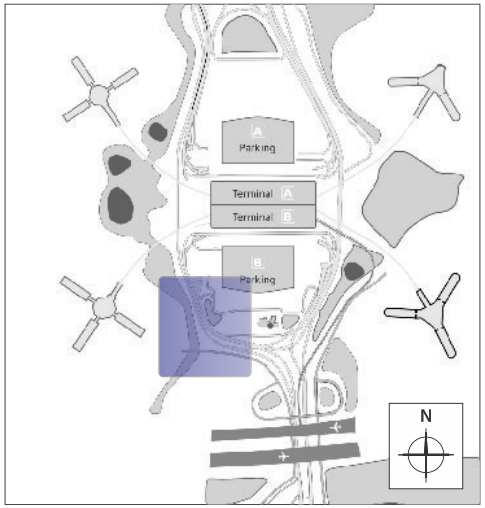


16 Elevation View (SB.65)
Not to Scale

General Location Area



16 Site View
Not to Scale



16 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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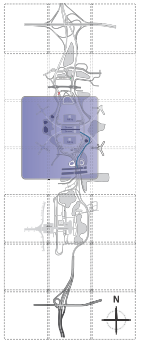
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.65

Drawing No.

01.42

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

16 Graphic View (sign 1)
Scale is 3/8″ = 1′

16 Graphic View (sign 2)
Scale is 3/8″ = 1′

16 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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G-0050
Overhead Roadway Sign Updates

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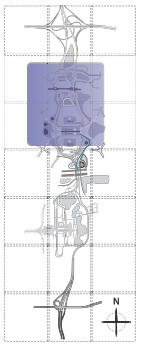
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.65

Drawing No.

01.43

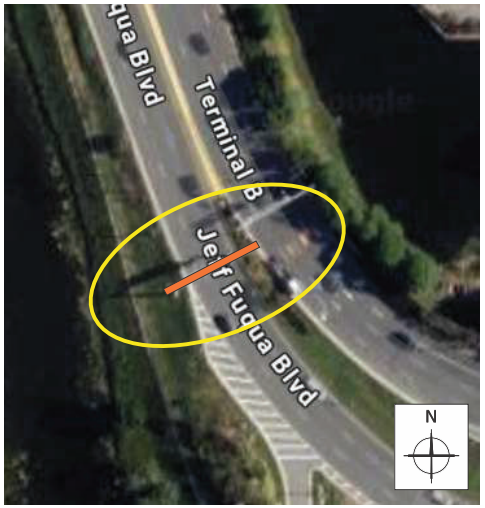
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

Existing SQ footage = 320
Proposed SQ footage = 320

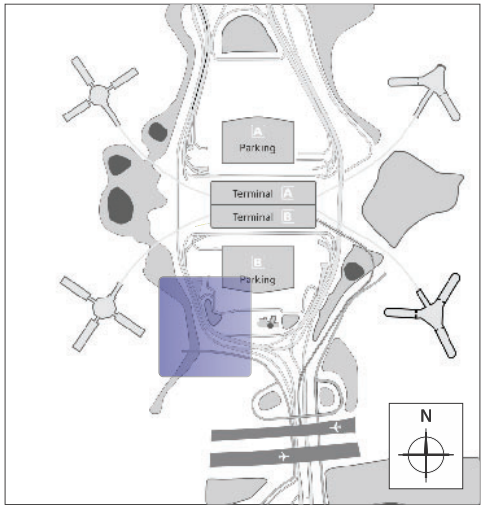
17 Existing Elevation View (SB.66)
Not to Scale

17 Elevation View (SB.66)
Not to Scale

General Location Area



17 Site View
Not to Scale



17 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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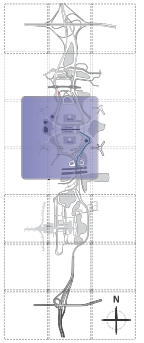
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.66

Drawing No.

01.44

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

17 Graphic View (sign 1)
Scale is 3/8″ = 1′

17 Graphic View (sign 2)
Scale is 3/8″ = 1′

17 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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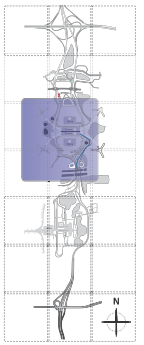
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.66

Drawing No.

01.45

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

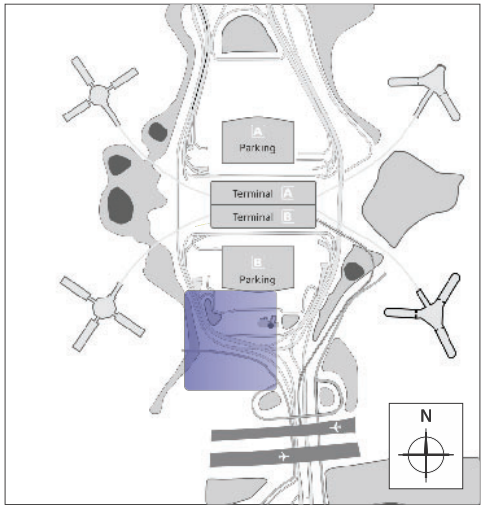
Existing SQ footage = 240
Proposed SQ footage = 240

18 Existing Elevation View (SB.70)
Not to Scale

18 Elevation View (SB.70)
Not to Scale

General Location Area

18 Site View
Not to Scale



18 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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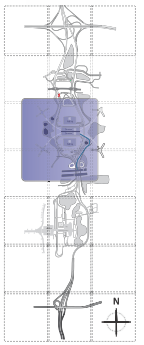
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

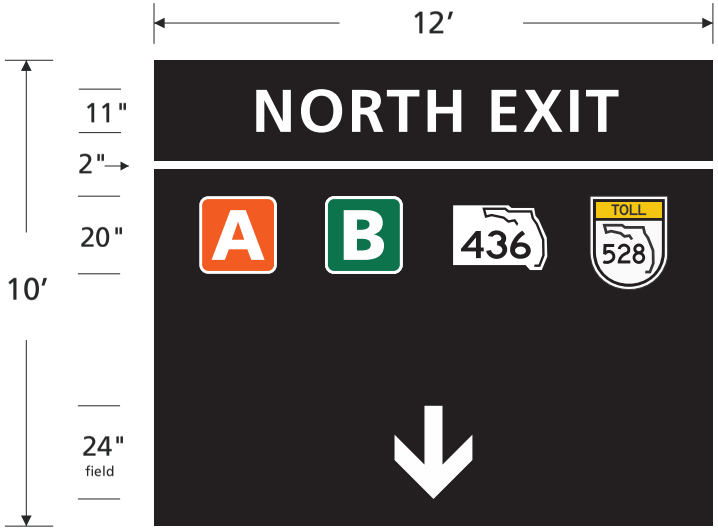
Drawing Title:

OT - SB.70

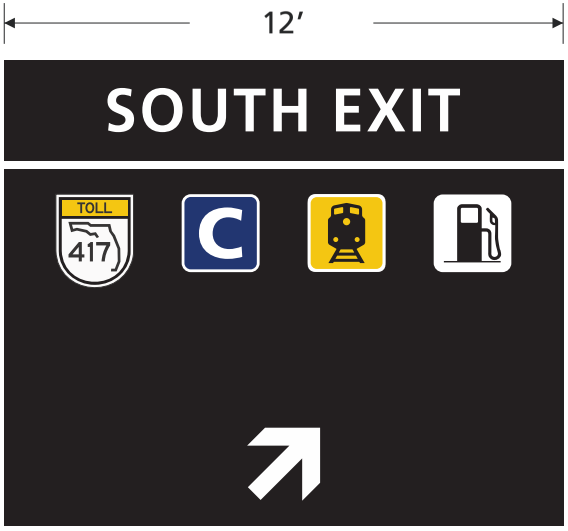
Drawing No.

01.46

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



18 Graphic View (sign 1)
Scale is 3/8″ = 1′



18 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
100 E Pine St
Orlando, FL 32801
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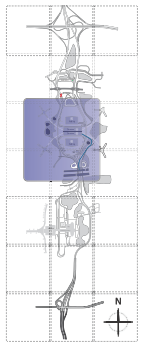
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.70

Drawing No.

01.47

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1

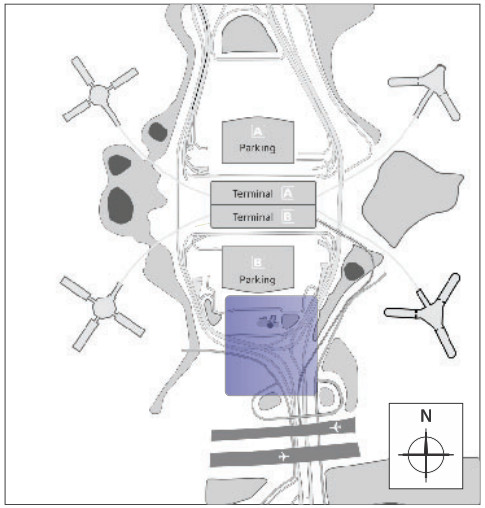
Existing SQ footage = 290
Proposed SQ footage = 290

19 Existing Elevation View (SB.75)
Not to Scale

19 Elevation View (SB.75)
Not to Scale

General Location Area

19 Site View
Not to Scale



19 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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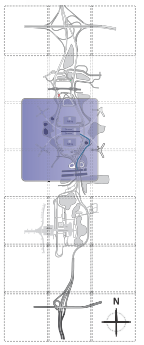
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

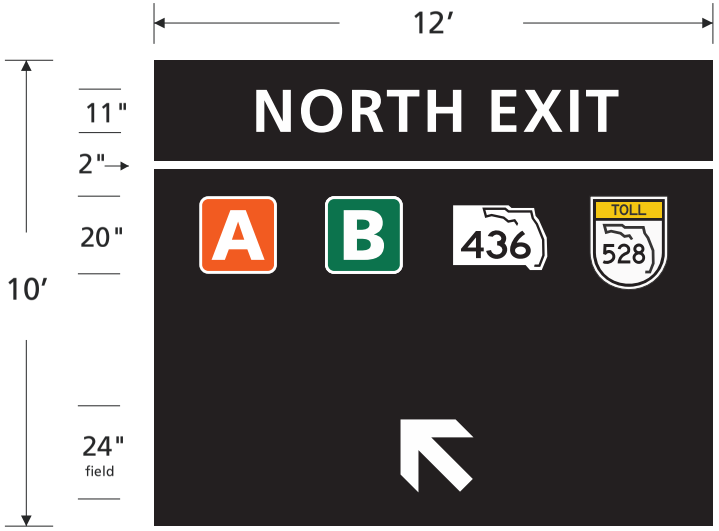
Drawing Title:

OT - SB.75

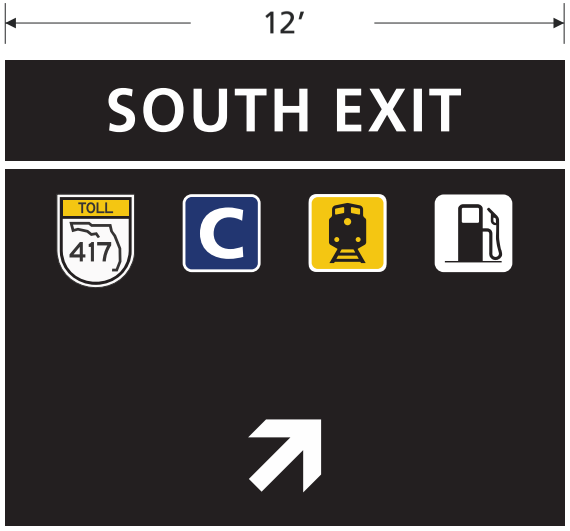
Drawing No.

01.48

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 1



19 Graphic View (sign 1)
Scale is 3/8″ = 1′



19 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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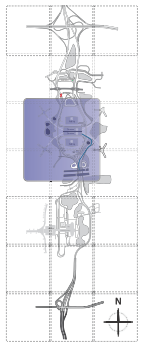
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.75

Drawing No.

01.49

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

01.50- Index
01.51 - 01.99 - Individual Sign Details

02.00 - Location Map (in separate document)

OT = Overhead Truss Structure
OC = Overhead Cantilever Structure
OB = Overhead Bridge Structure

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G-0050
Overhead Roadway Sign Updates

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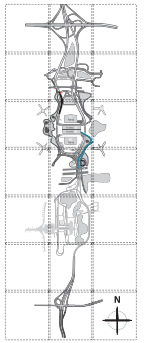
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index

Drawing No.

01.50

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

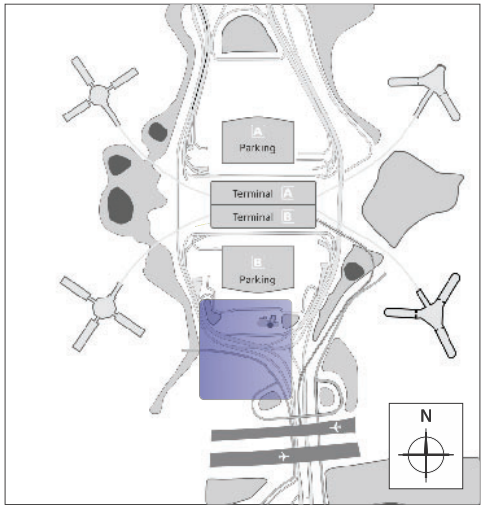
Existing SQ footage = 240
Proposed SQ footage = 240

20 Existing Elevation View (SB.80)
Not to Scale

20 Elevation View (SB.80)
Not to Scale

General Location Area

20 Site View
Not to Scale



20 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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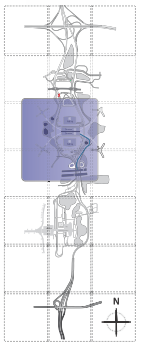
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

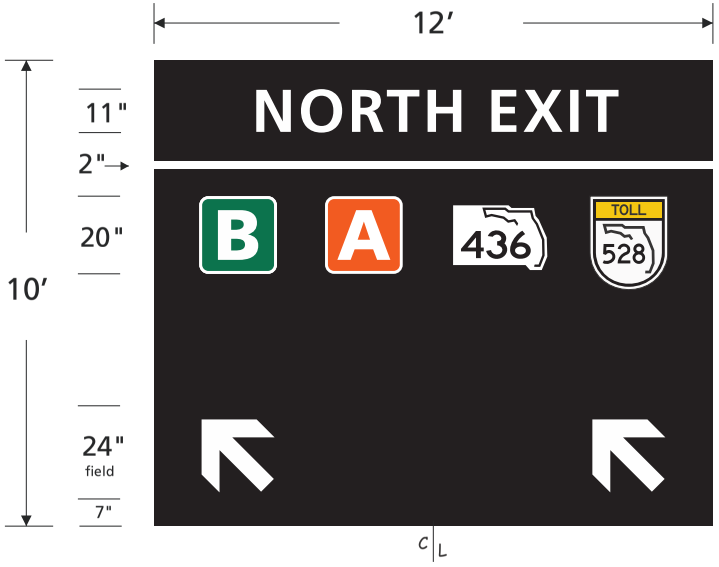
Drawing Title:

OT - SB.80

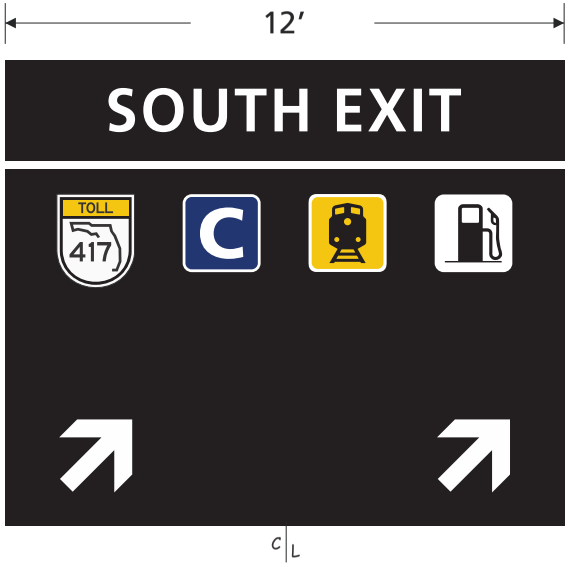
Drawing No.

01.51

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



20 Graphic View (sign 1)
Scale is 3/8″ = 1′



20 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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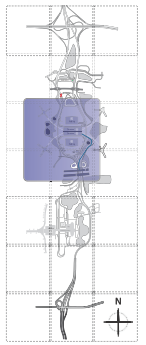
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SB.80

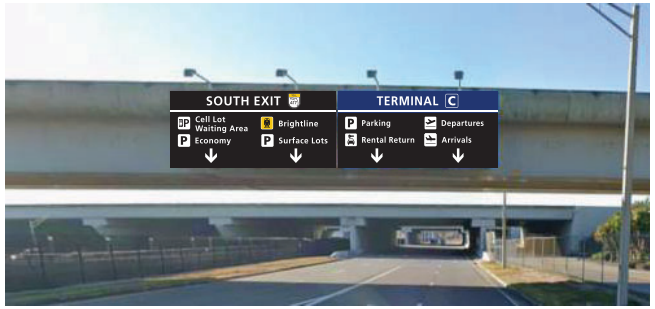
Drawing No.

01.52

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 450
Proposed SQ footage = 450

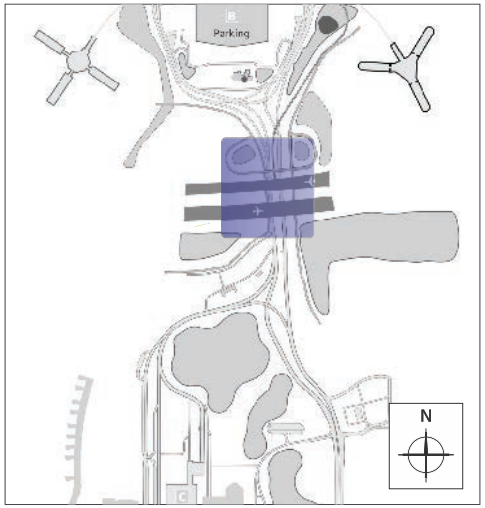
21 Existing Elevation View (SC.120)
Not to Scale



21 Elevation View (SC.120)
Not to Scale

General Location Area

21 Site View
Not to Scale



21 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
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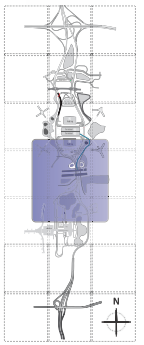
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

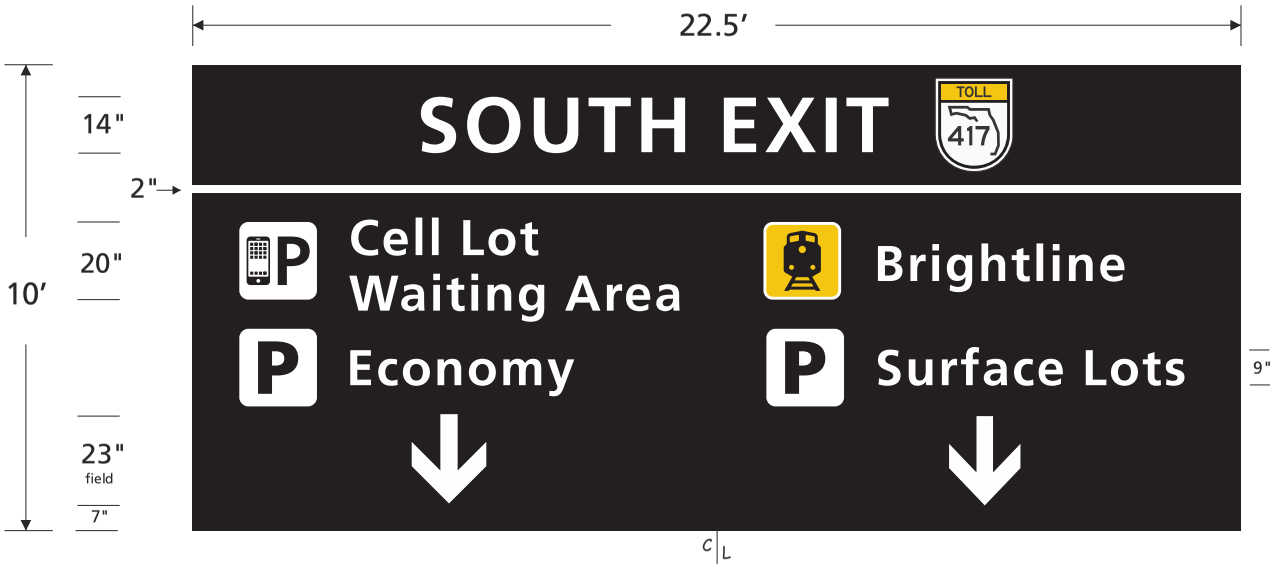
Drawing Title:

OB - SC.120

Drawing No.

01.53

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



21 Graphic View (sign 1)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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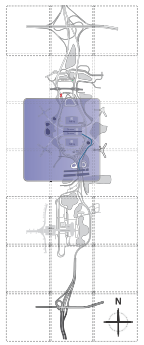
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

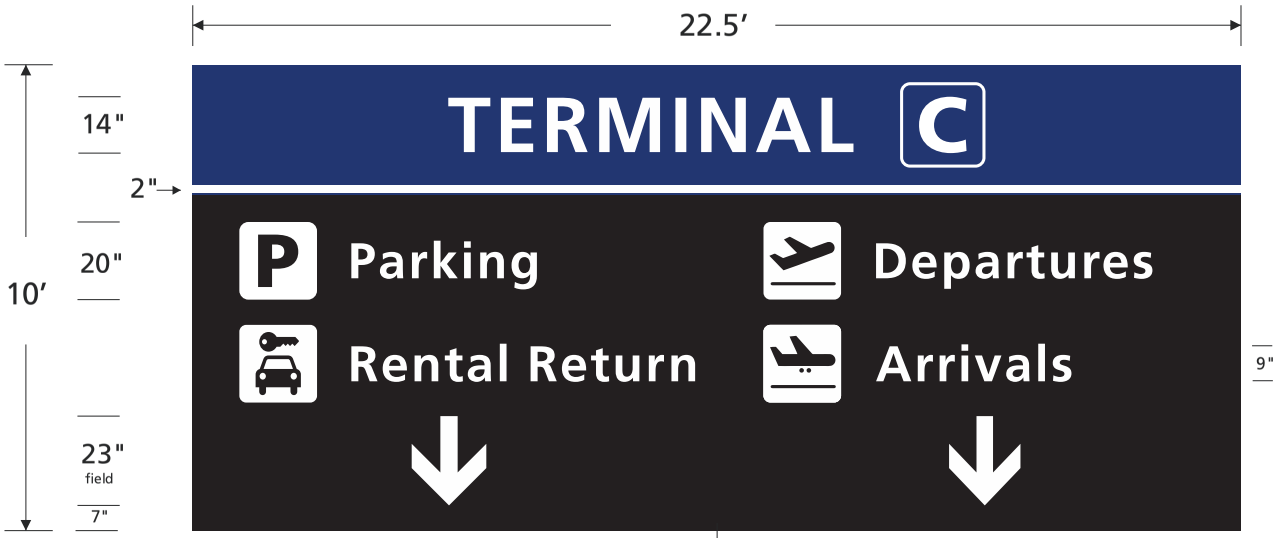
Drawing Title:

OB - SC.120

Drawing No.

01.54

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



21 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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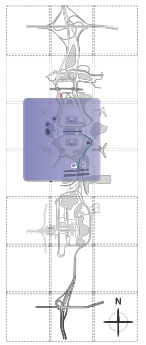


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OB - SC.120

Drawing No.

01.55

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

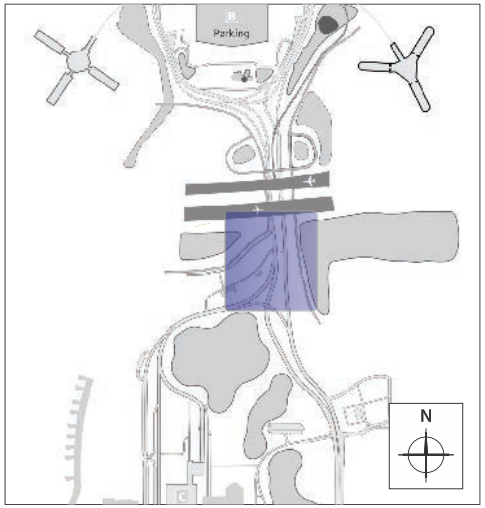
Existing SQ footage = 450
Proposed SQ footage = 450

22 Existing Elevation View (SC.125)
Not to Scale

22 Elevation View (SC.125)
Not to Scale

General Location Area

22 Site View
Not to Scale



22 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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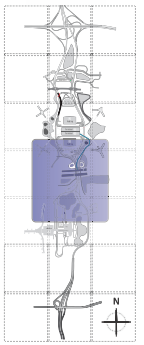

Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SC.125

Drawing No.

01.56

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

22 Graphic View (sign 1)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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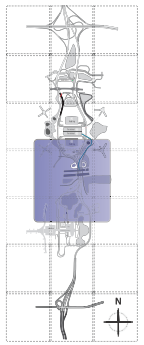
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SC.125

Drawing No.

01.57

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

22 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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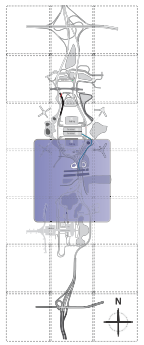


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SC.125

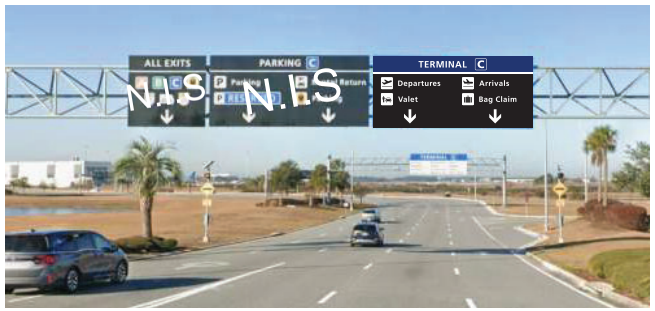
Drawing No.

01.58

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 560
Proposed SQ footage = 560

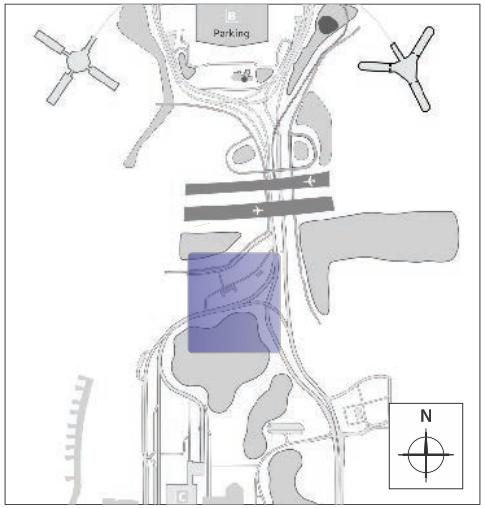
23 Existing Elevation View (SCT.45)
Not to Scale



23 Elevation View (SCT.45)
Not to Scale

General Location Area

23 Site View
Not to Scale



23 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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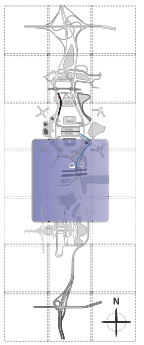
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

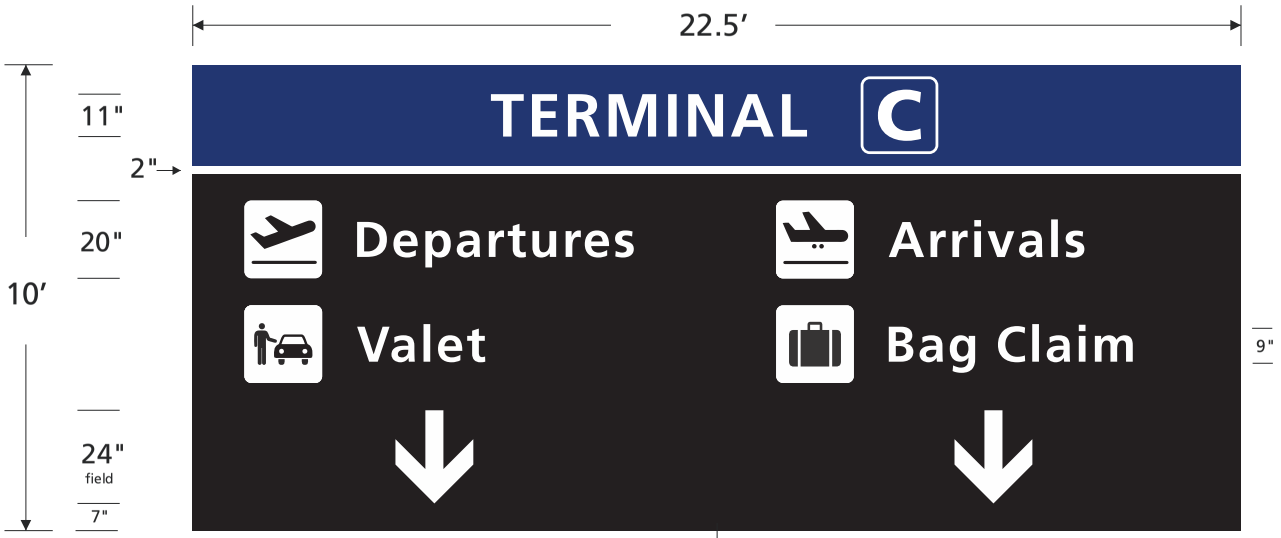
Drawing Title:

OT - SCT.45

Drawing No.

01.59

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



23 Graphic View (sign 3)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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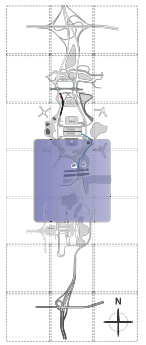


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SCT.45

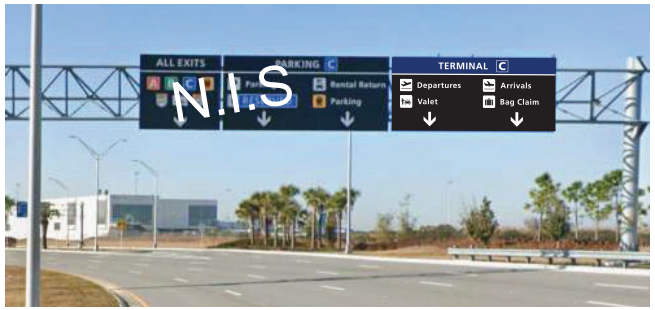
Drawing No.

01.60

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

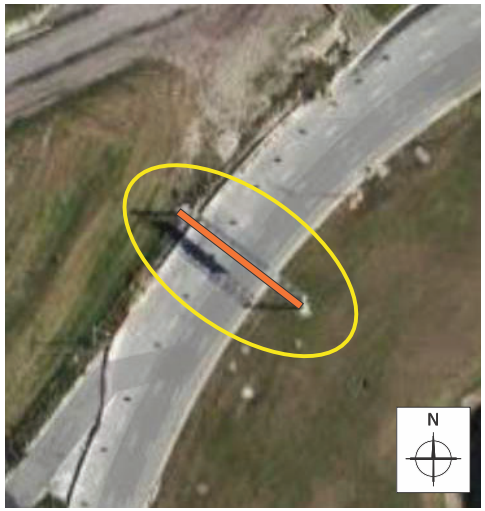
Existing SQ footage = 560
Proposed SQ footage = 560

24 Existing Elevation View (SCT.50)
Not to Scale

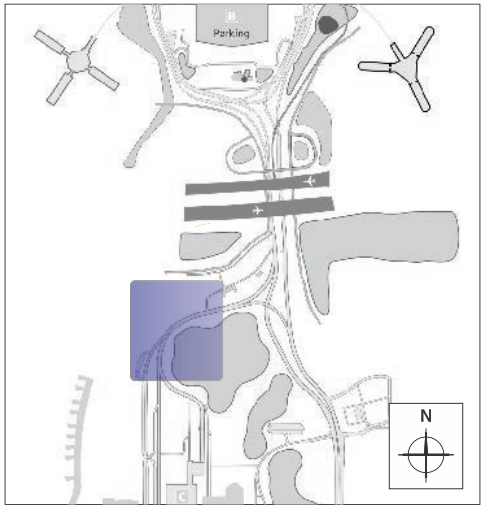


24 Elevation View (SCT.50)
Not to Scale

General Location Area



24 Site View
Not to Scale



24 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
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Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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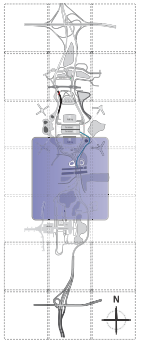
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

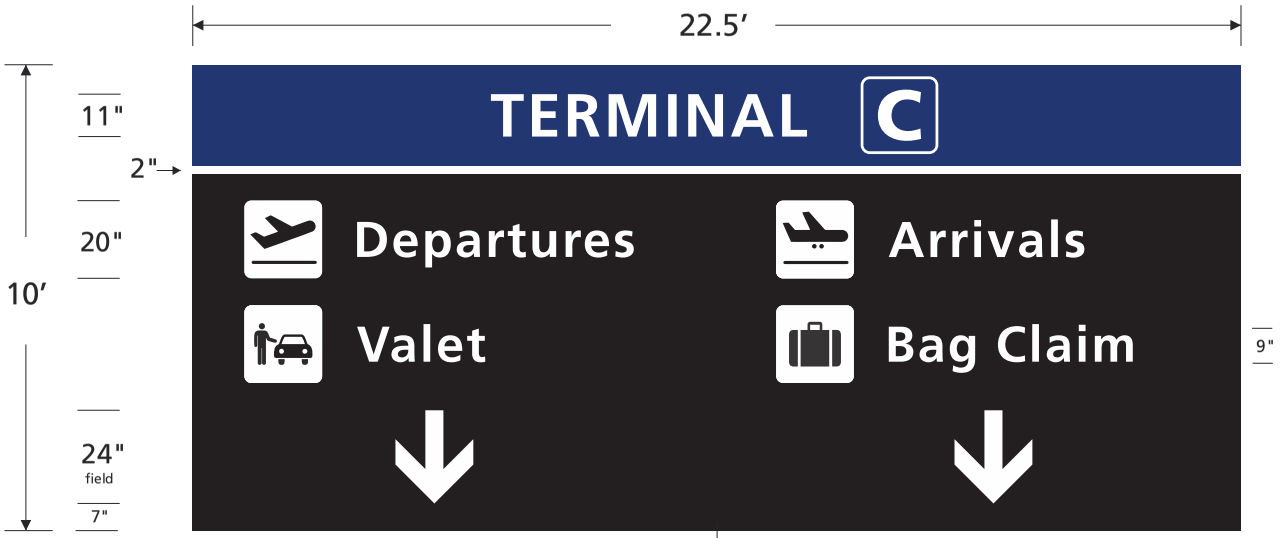
Drawing Title:

OT - SCT.50

Drawing No.

01.61

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



24 Graphic View (sign 3)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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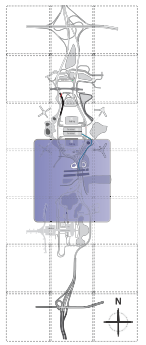
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OB - SCT.50

Drawing No.

01.62

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

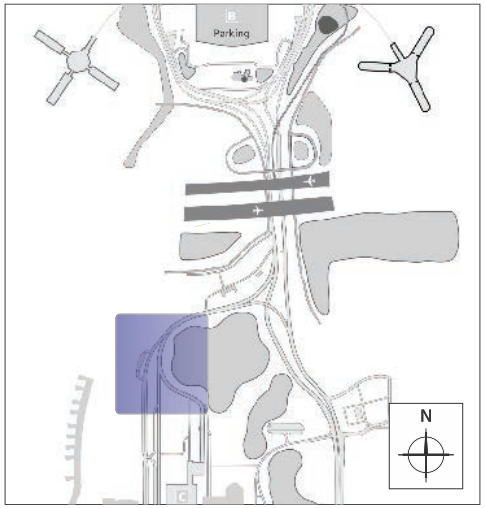
Existing SQ footage = 560
Proposed SQ footage = 560

25 Existing Elevation View (SCT.25)
Not to Scale

25 Elevation View (SCT.25)
Not to Scale

General Location Area

25 Site View
Not to Scale



25 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
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G-0050
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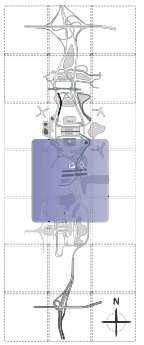

Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SCT.25

Drawing No.

01.63

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

25 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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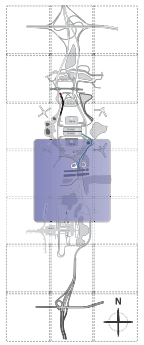
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OB - SCT.25

Drawing No.

01.64

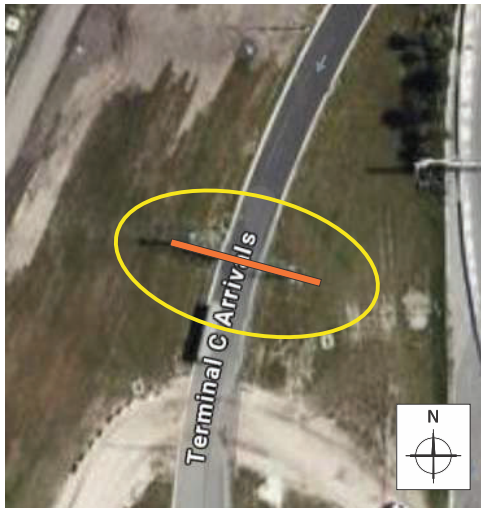
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 220
Proposed SQ footage = 220

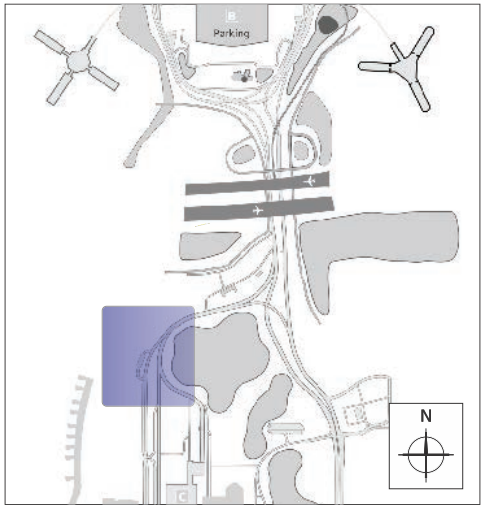
26 Existing Elevation View (SCT.10)
Not to Scale

26 Elevation View (SCT.10)
Not to Scale

General Location Area



26 Site View
Not to Scale



26 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
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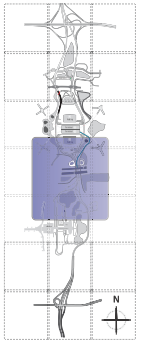


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

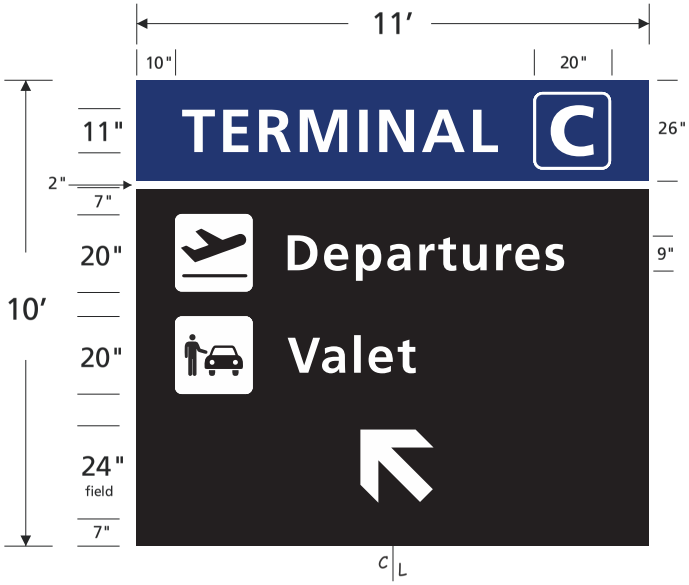
Drawing Title:

OT - SCT.55

Drawing No.

01.65

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



26 Graphic View (sign 1)
Scale is 3/8″ = 1′

26 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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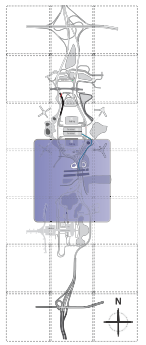


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SCT.55

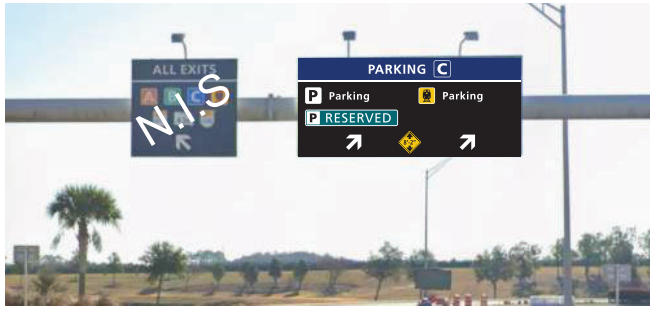
Drawing No.

01.66

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

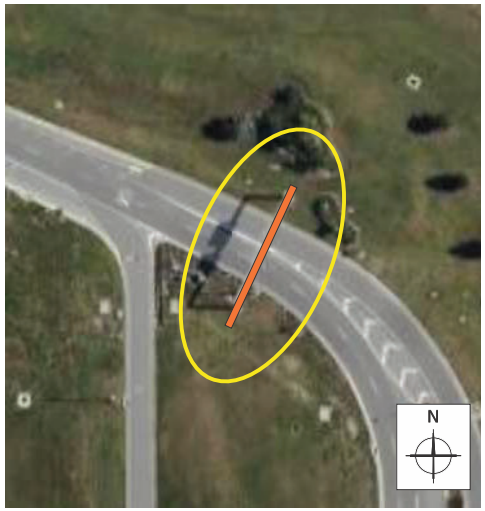
Existing SQ footage = 335
Proposed SQ footage = 335

27 Existing Elevation View (SCT.35)
Not to Scale

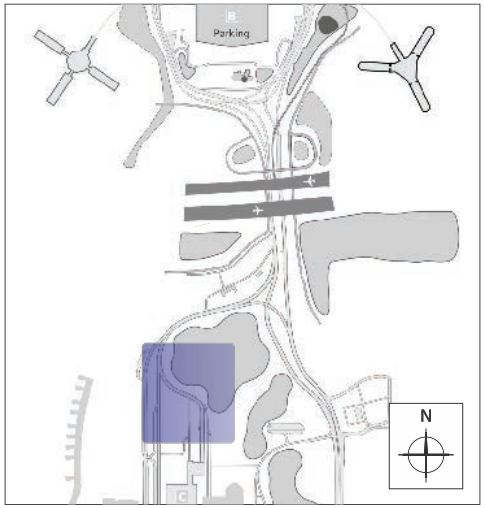


27 Elevation View (SCT.35)
Not to Scale

General Location Area



27 Site View
Not to Scale



27 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
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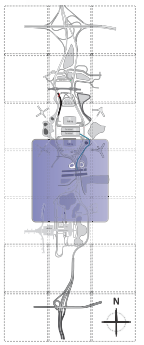
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

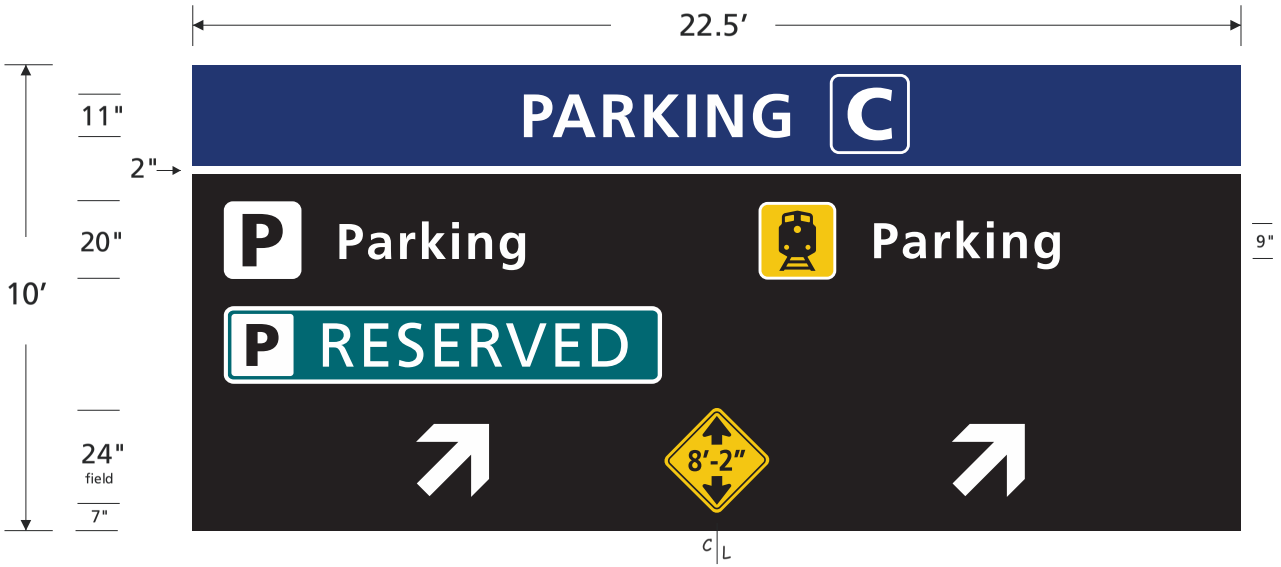
Drawing Title:

OT - SCT.35

Drawing No.

01.67

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



27 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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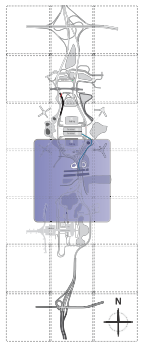
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OB - SCT.35

Drawing No.

01.68

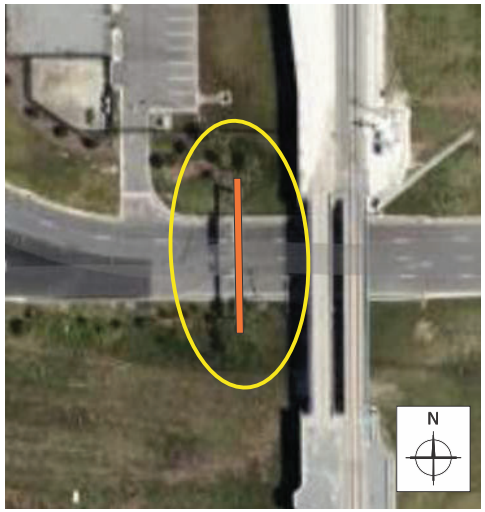
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 315
Proposed SQ footage = 315

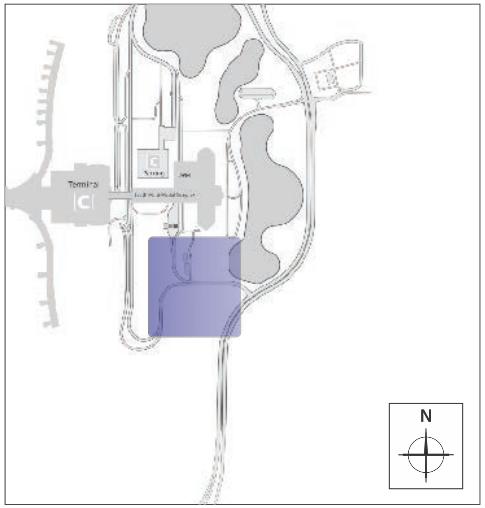
28 Existing Elevation View (SCT.40)
Not to Scale

28 Elevation View (SCT.40)
Not to Scale

General Location Area



28 Site View
Not to Scale



28 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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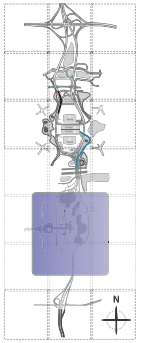
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

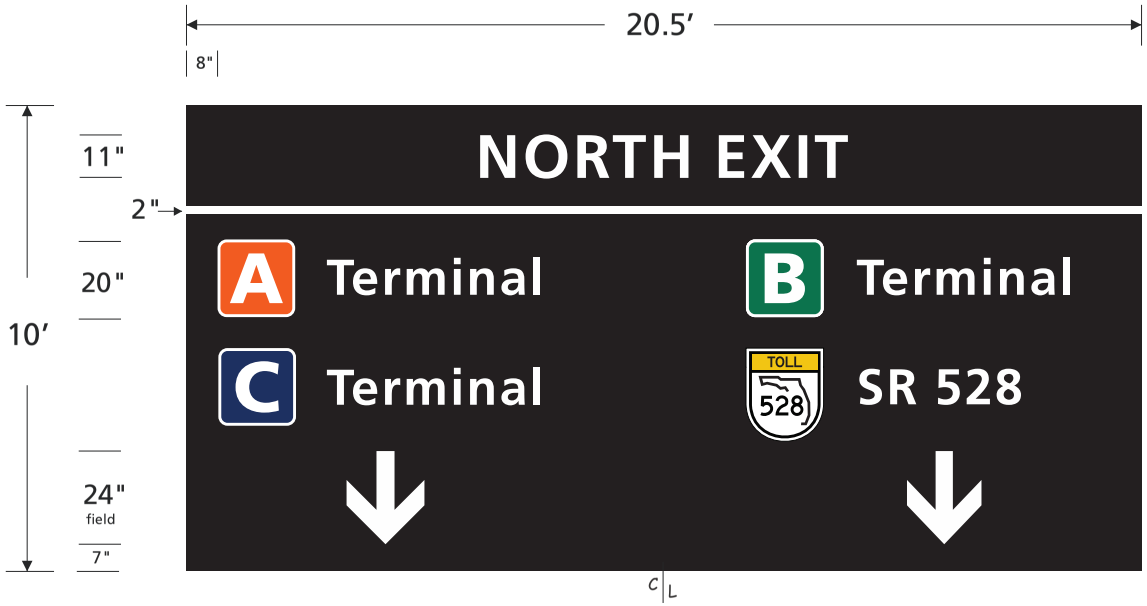
Drawing Title:

OT - SCT.40

Drawing No.

01.69

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



28 Graphic View (sign 1)
Scale is 3/8″ = 1′

28 Graphic View (sign 2)
Scale is 3/8″ = 1′

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Overhead Roadway Sign Updates

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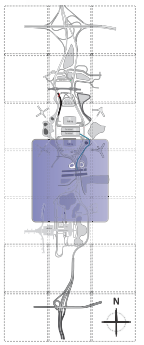


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - SCT.40

Drawing No.

01.70

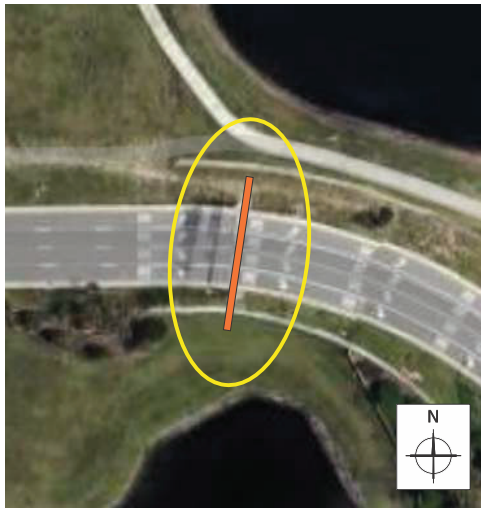
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 315
Proposed SQ footage = 315

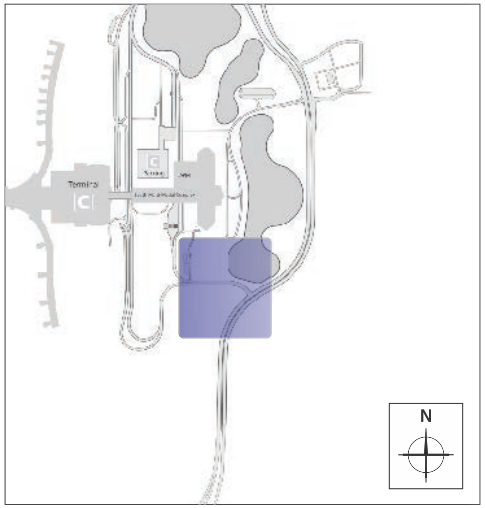
29 Existing Elevation View (SCT.45)
Not to Scale

29 Elevation View (SCT.45)
Not to Scale

General Location Area



28 Site View
Not to Scale



28 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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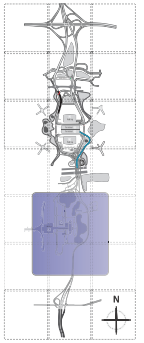
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

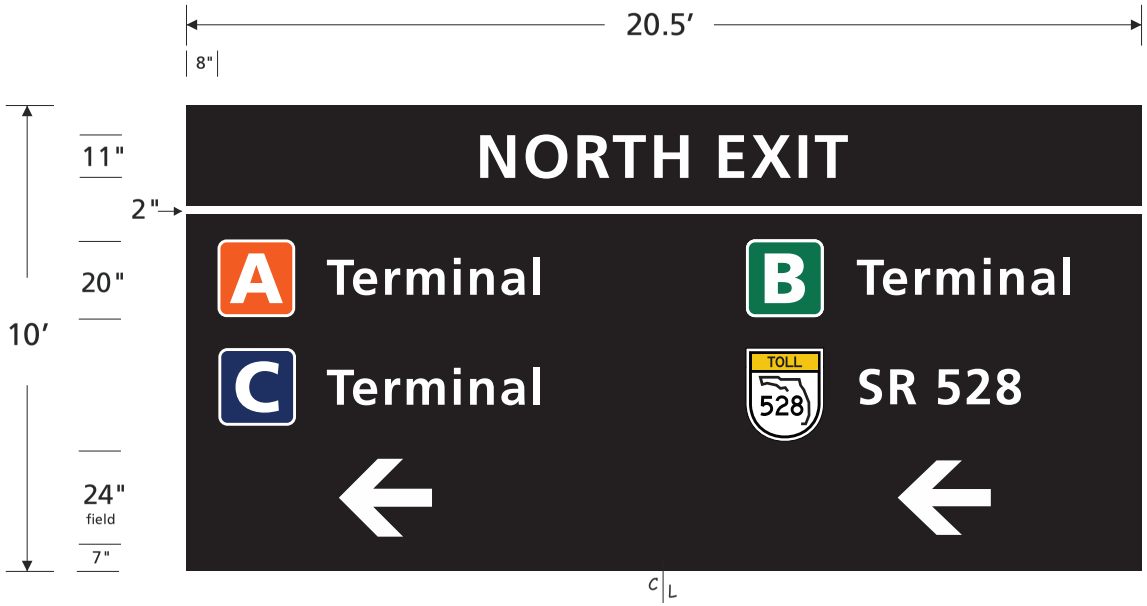
Drawing Title:

OT - SCT.45

Drawing No.

01.71

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



29 Graphic View (sign 1)
Scale is 3/8″ = 1′

29 Graphic View (sign 2)
Scale is 3/8″ = 1′

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G-0050
Overhead Roadway Sign Updates

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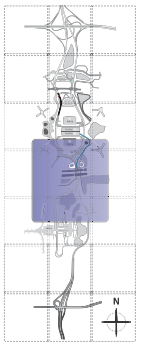


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

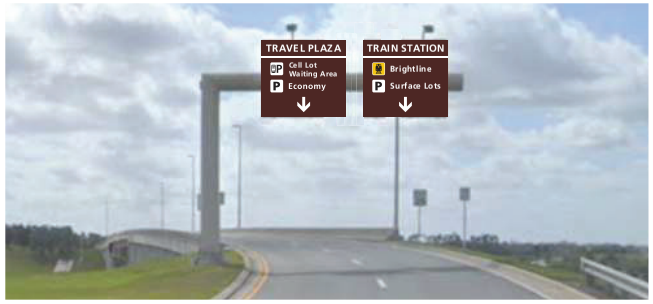
OT - SCT.45

Drawing No.

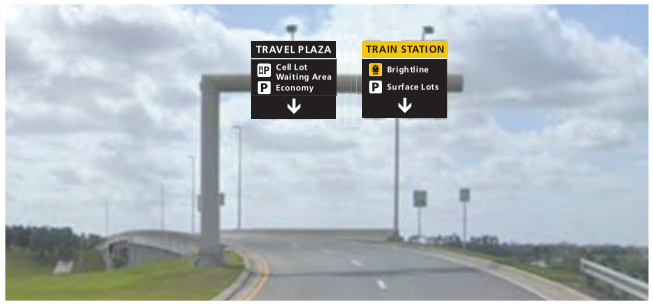
01.72

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 220
Proposed SQ footage = 220



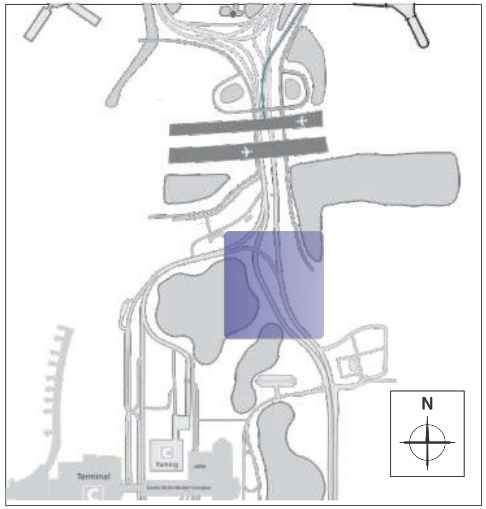
30 Existing Elevation View (SC.130)
Not to Scale



30 Elevation View (SCT.130)
Not to Scale

General Location Area

30 Site View
Not to Scale



30 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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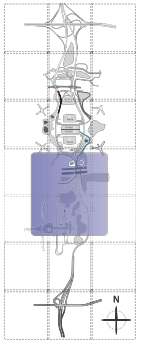
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

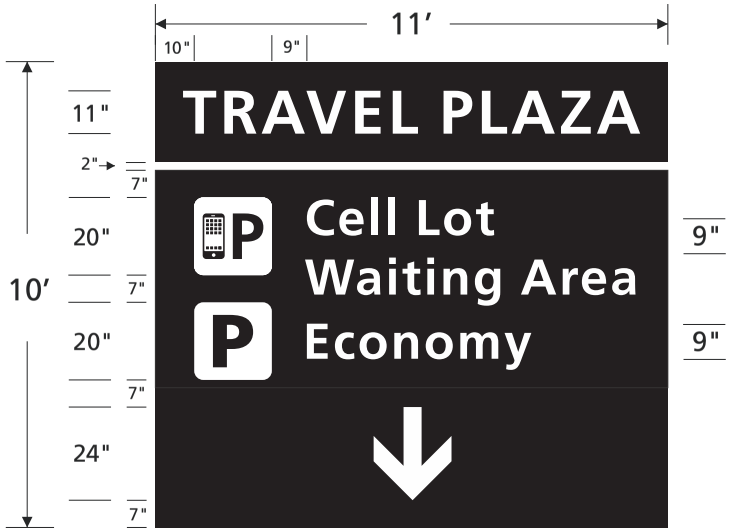
Drawing Title:

OC - SC.130

Drawing No.

01.73

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



30 Graphic View (sign 1)
Scale is 3/8″ = 1′

30 Graphic View (sign 2)
Scale is 3/8″ = 1′

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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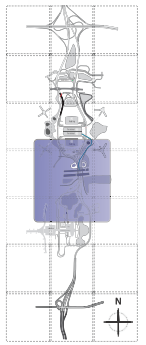
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

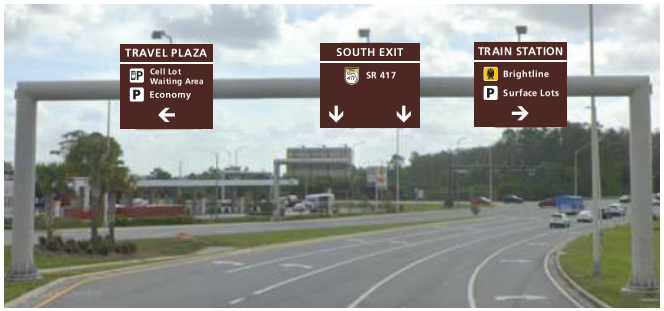
OC - SC.130

Drawing No.

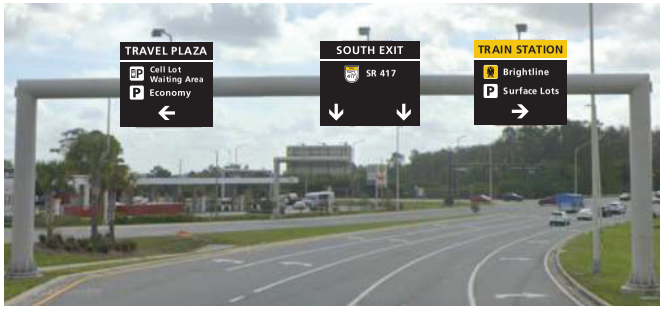
01.74

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 340
Proposed SQ footage = 340



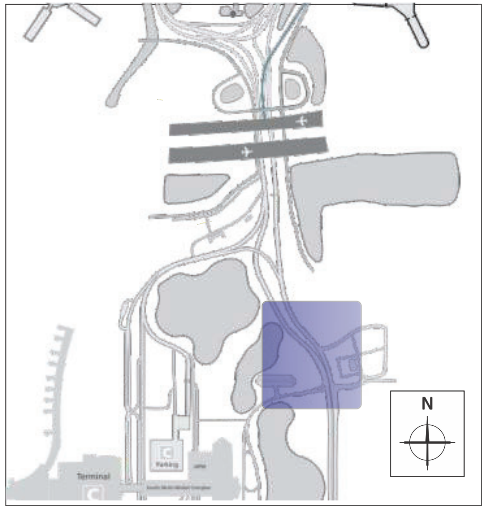
31 Existing Elevation View (SC.135)
Not to Scale



31 Elevation View (SC.135)
Not to Scale

General Location Area

31 Site View
Not to Scale



31 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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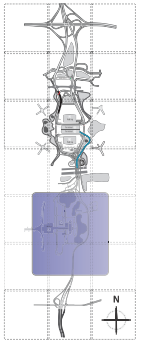
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

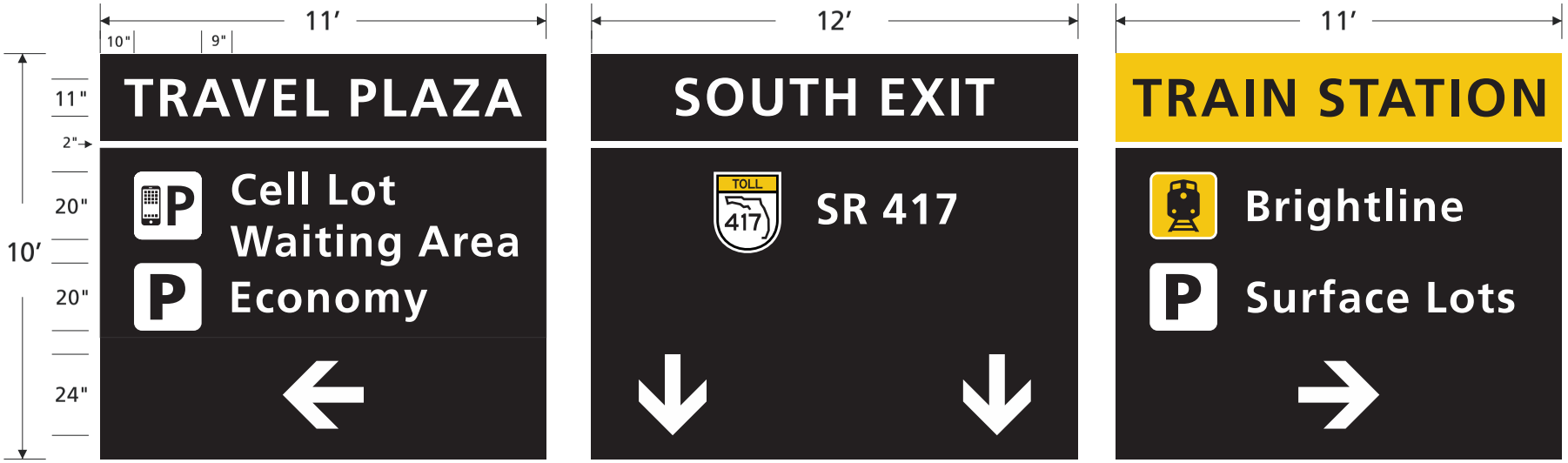
Drawing Title:

OT - SC.135

Drawing No.

01.75

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



31 Graphic View (sign 1)
Scale is 3/8″ = 1′

31 Graphic View (sign 2)
Scale is 3/8″ = 1′

31 Graphic View (sign 3)
Scale is 3/8″ = 1′

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Overhead Roadway Sign Updates

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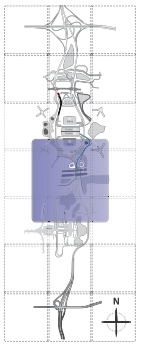
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - SC.135

Drawing No.

01.76

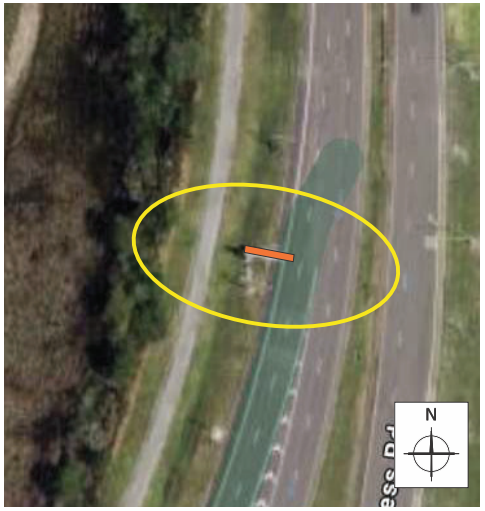
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

Existing SQ footage = 160
Proposed SQ footage = 120

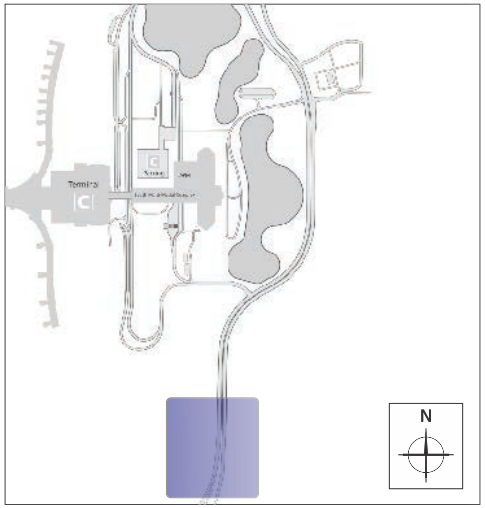
32 Existing Elevation View (SC.140)
Not to Scale

32 Elevation View (SC.140)
Not to Scale

General Location Area



32 Site View
Not to Scale



32 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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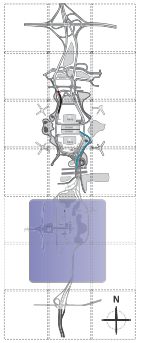
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - SC.140

Drawing No.

01.77

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2

32 Graphic View (sign 1)
Scale is 3/8" = 1′

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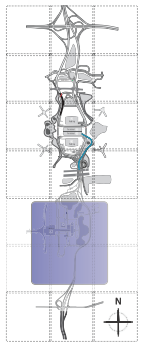
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - SC.140

Drawing No.

01.78

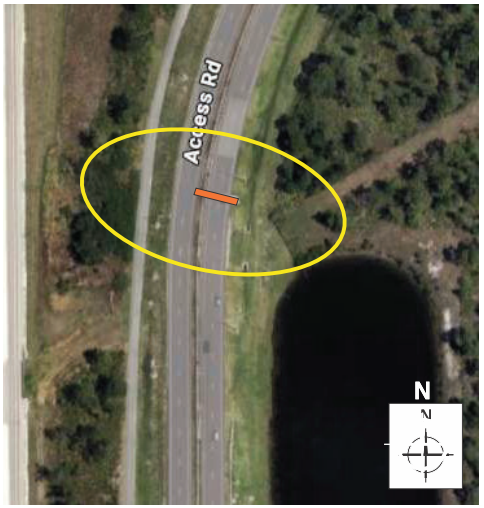
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 110
Proposed SQ footage = 110

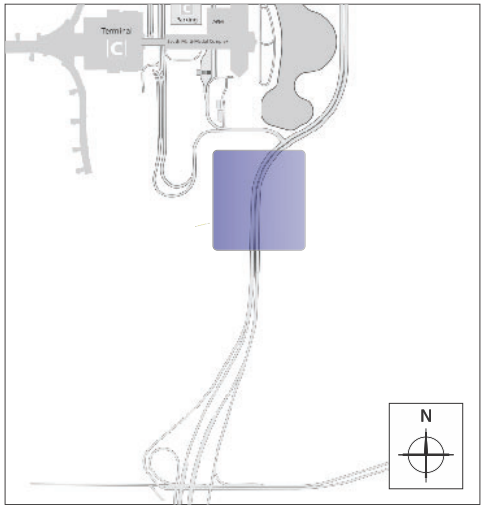
33 Existing Elevation View (NC.25)
Not to Scale

33 Elevation View (NC.25)
Not to Scale

General Location Area



33 Site View
Not to Scale



33 Location View
Not to Scale

Bid Scope

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

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Overhead Roadway Sign Updates

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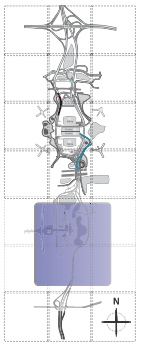
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

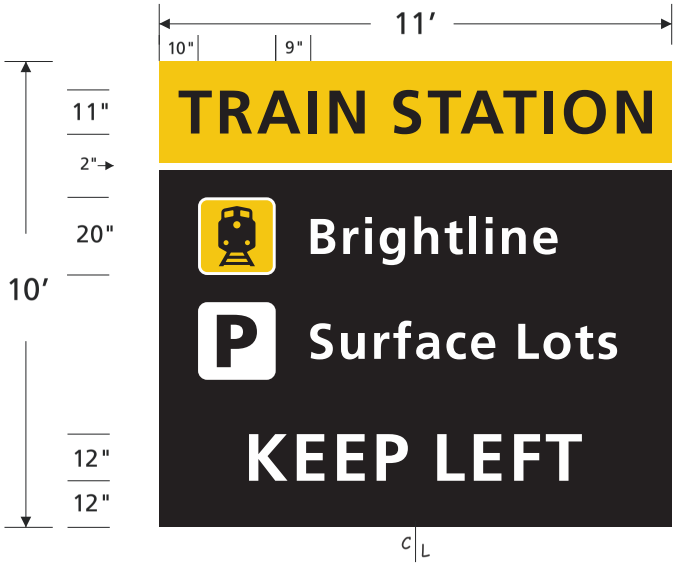
Drawing Title:

OT - NC.25

Drawing No.

01.79

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



33 Graphic View
Scale is 3/8″ = 1′

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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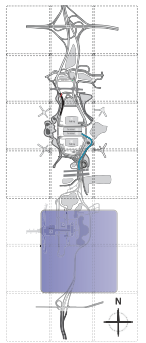
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.25

Drawing No.

01.80

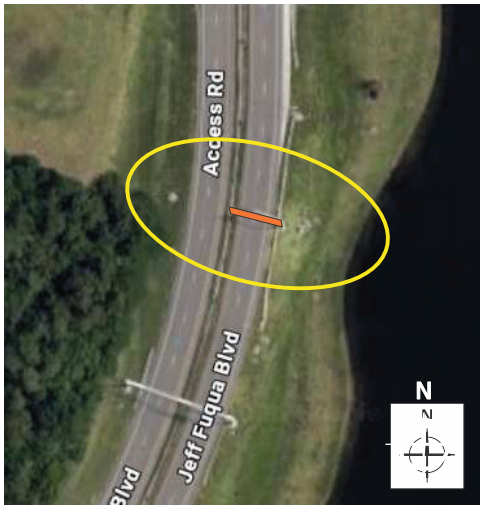
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 110
Proposed SQ footage = 110

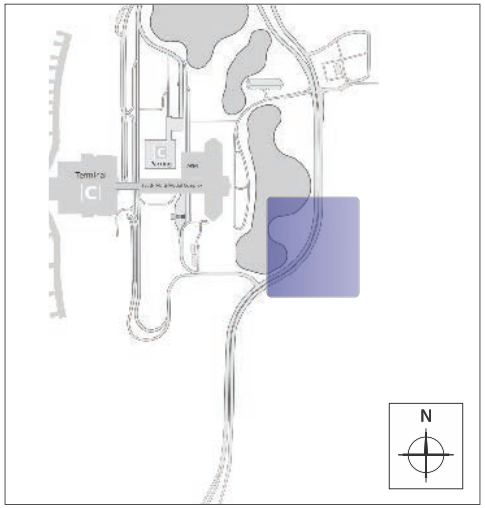
34 Existing Elevation View (NC.45)
Not to Scale

34 Elevation View (NC.45)
Not to Scale

General Location Area



34 Site View
Not to Scale



34 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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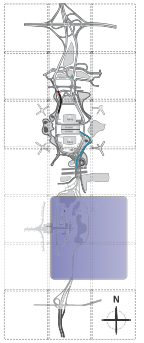
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

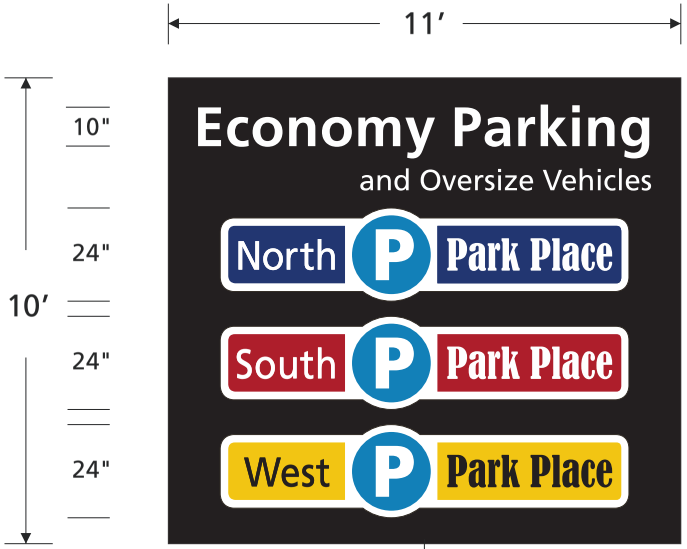
Drawing Title:

OT - NC.45

Drawing No.

01.81

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



34 Graphic View
Scale is 3/8" = 1′

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Overhead Roadway Sign Updates

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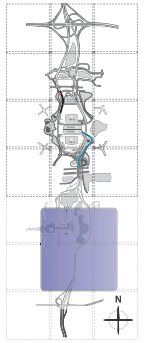


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.45

Drawing No.

01.82

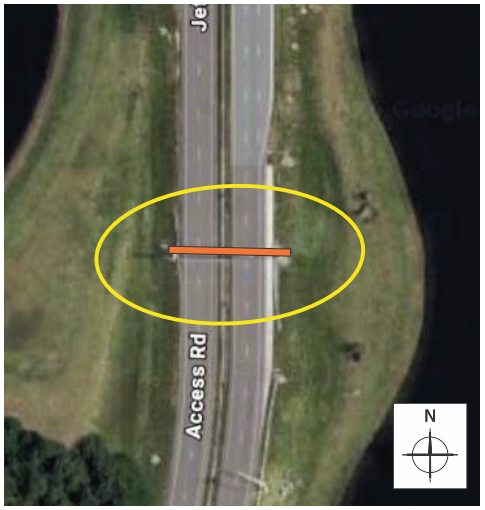
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 345
Proposed SQ footage = 345

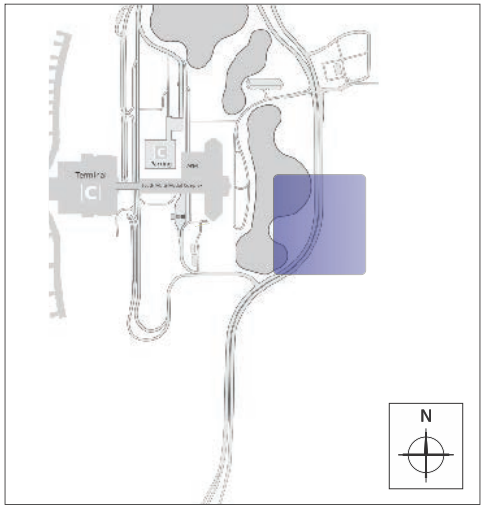
35 Existing Elevation View (NC.50)
Not to Scale

35 Elevation View (NC.50)
Not to Scale

General Location Area



35 Site View
Not to Scale



35 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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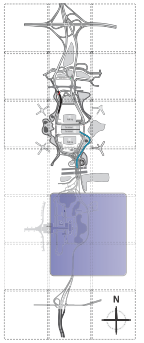


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

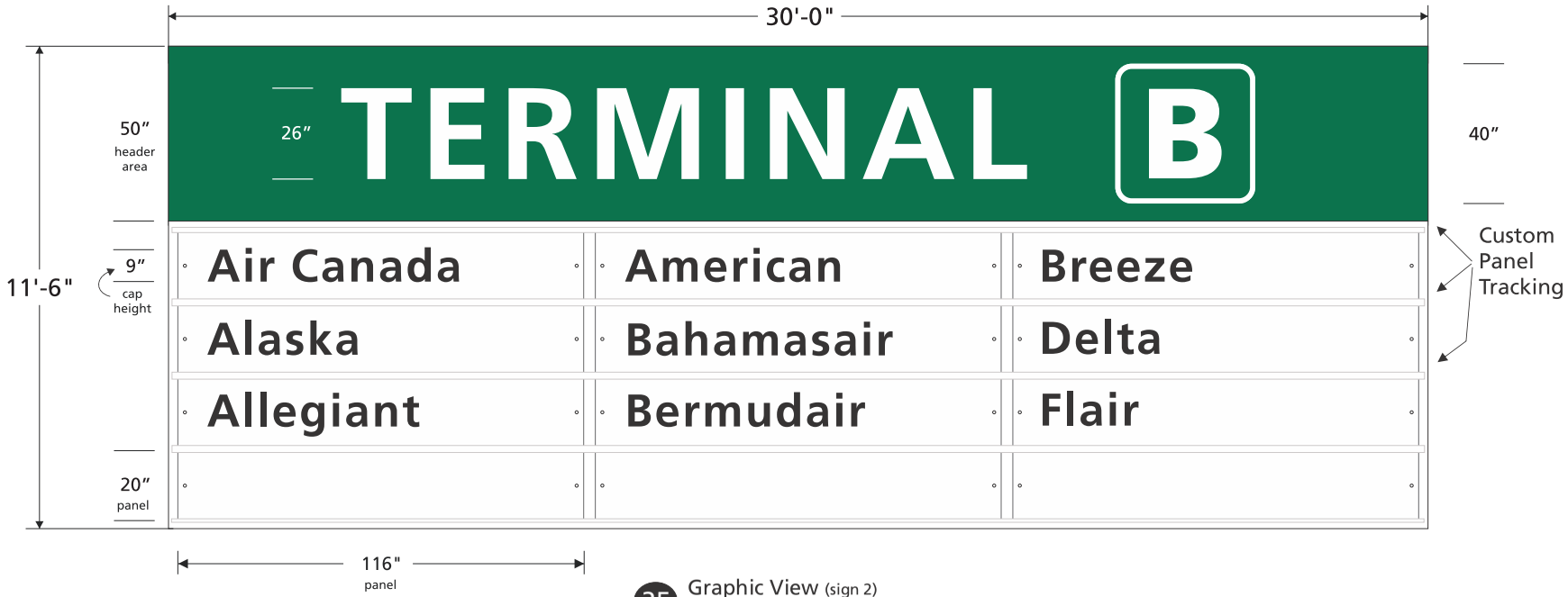
Drawing Title:

OT - NC.50

Drawing No.

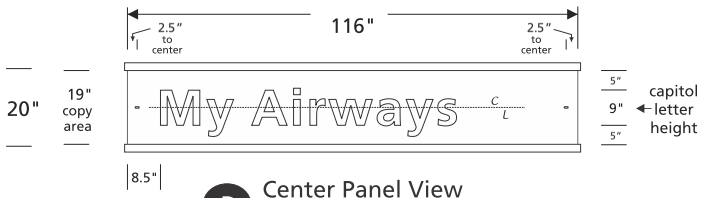
01.83

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



35 Graphic View (sign 2)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

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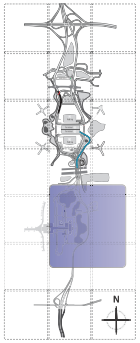


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NC.50

Drawing No.

01.84

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

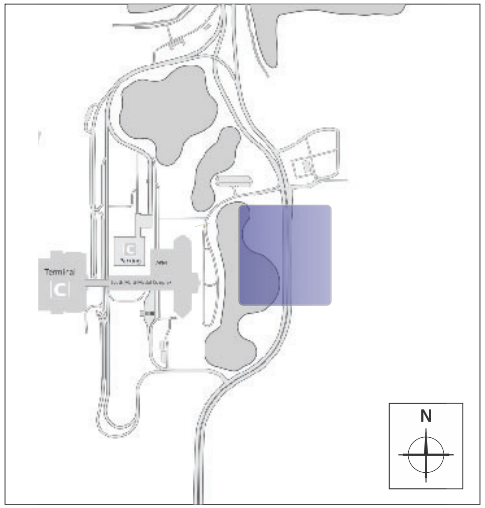
Existing SQ footage = 440
Proposed SQ footage = 440

36 Existing Elevation View (NC.60)
Not to Scale

36 Elevation View (NC.60)
Not to Scale

General Location Area

36 Site View
Not to Scale



36 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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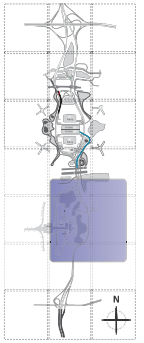


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

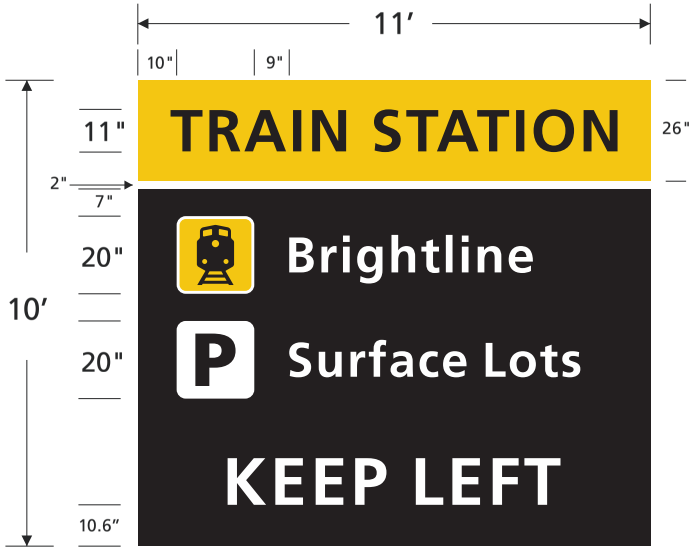
Drawing Title:

OT - NC.60

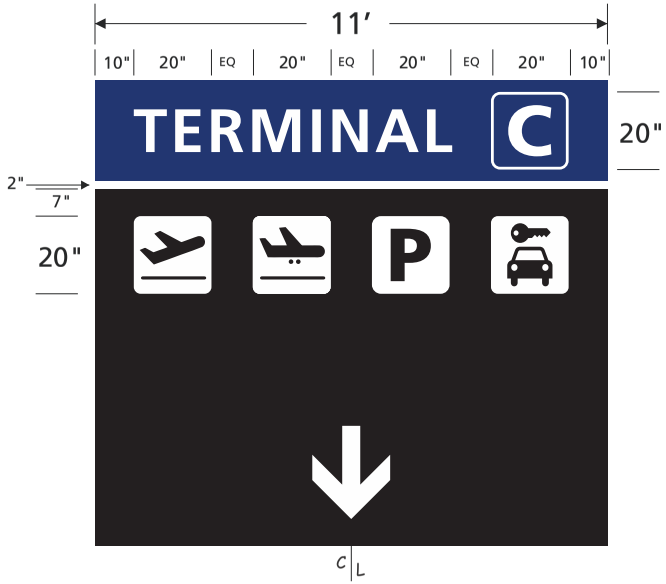
Drawing No.

01.85

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



36 Graphic View (sign 1)
Scale is 3/8″ = 1′



36 Graphic View (sign 2)
Scale is 3/8″ = 1′

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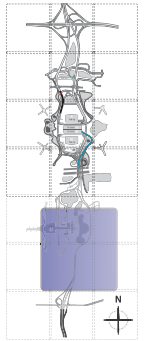


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

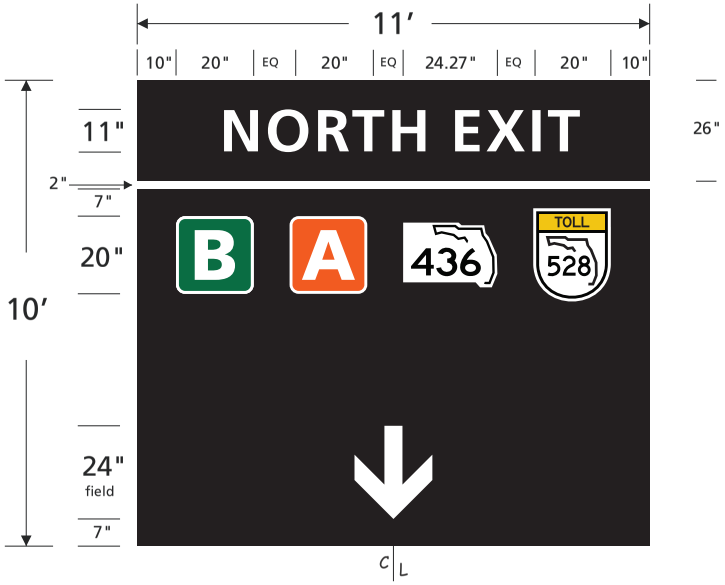
Drawing Title:

OT - NC.60

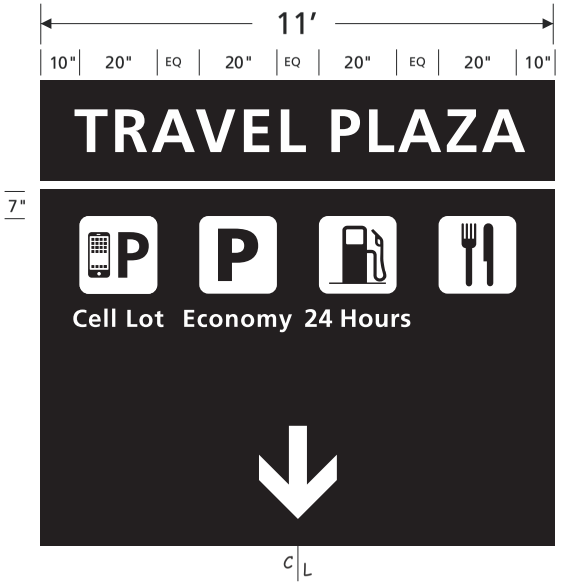
Drawing No.

01.86

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



36 Graphic View (sign 3)
Scale is 3/8″ = 1′



36 Graphic View (sign 4)
Scale is 3/8″ = 1′

Orlando International Airport

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Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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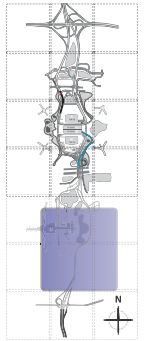
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NC.60

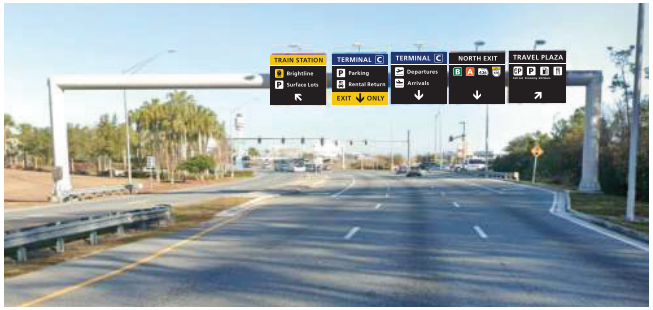
Drawing No.

01.87

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

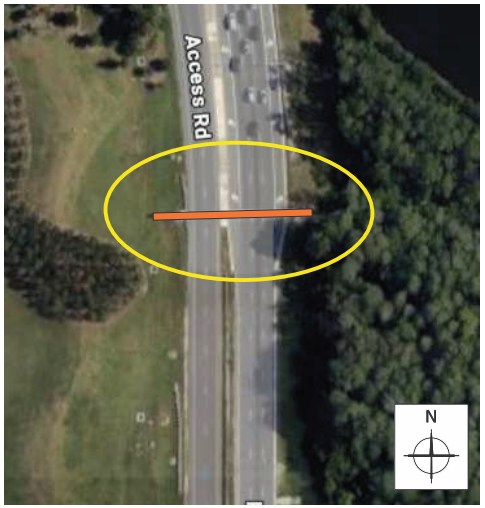
Existing SQ footage = 550
Proposed SQ footage = 550

37 Existing Elevation View (NC.65)
Not to Scale

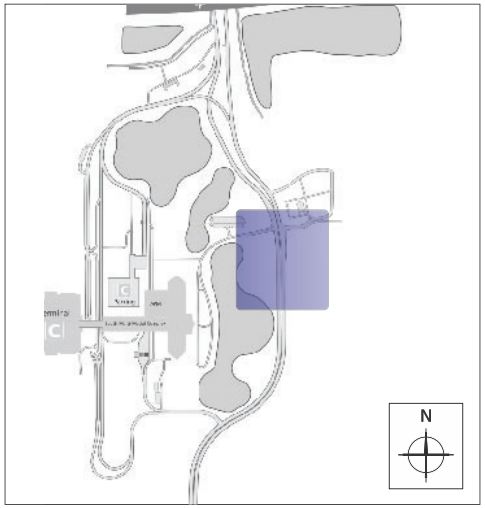


37 Elevation View (NC.65)
Not to Scale

General Location Area



37 Site View
Not to Scale



37 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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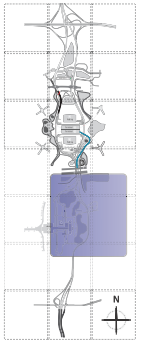
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

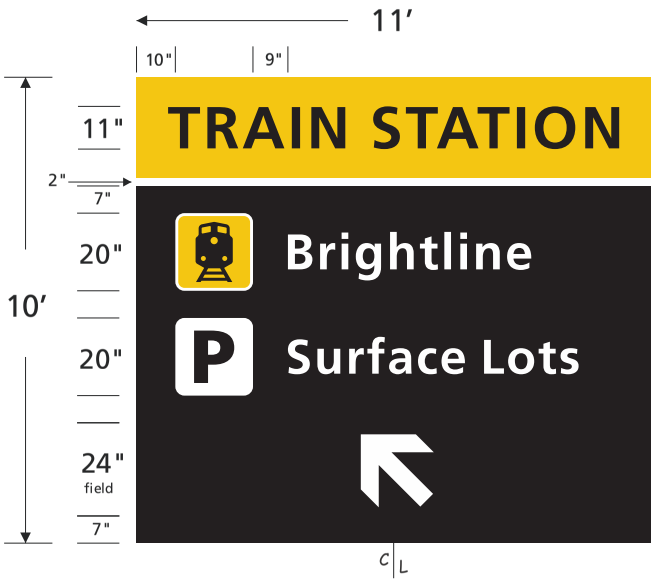
Drawing Title:

OT - NC.65

Drawing No.

01.88

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



37 Graphic View (sign 1)
Scale is 3/8″ = 1′

37 Graphic View (sign 2)
Scale is 3/8″ = 1′

37 Graphic View (sign 3)
Scale is 3/8″ = 1′

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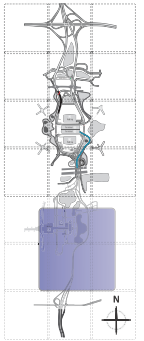
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

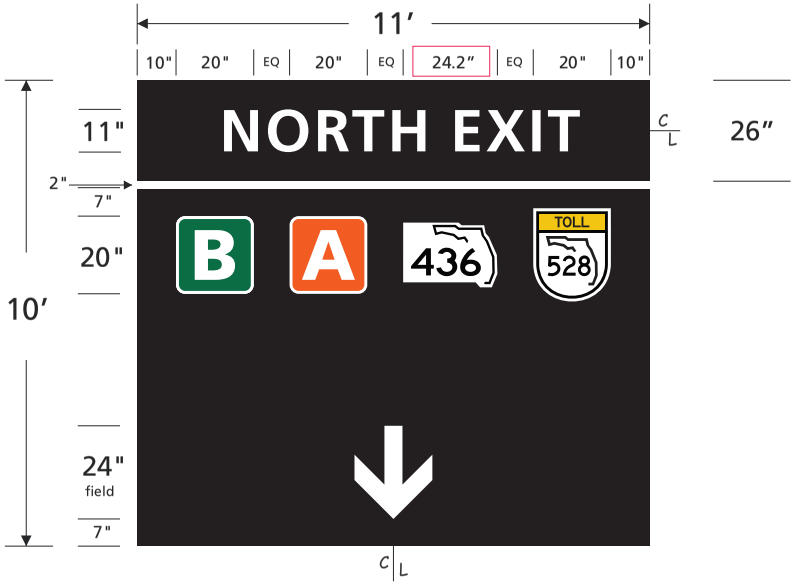
Drawing Title:

OT - NC.65

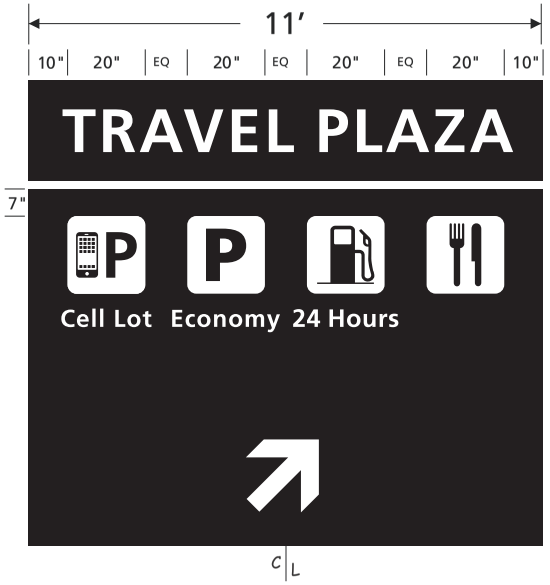
Drawing No.

01.89

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



37 Graphic View (sign 4)
Scale is 3/8″ = 1′



37 Graphic View (sign 5)
Scale is 3/8″ = 1′

Orlando International Airport

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Overhead Roadway Sign Updates

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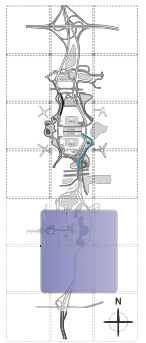
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

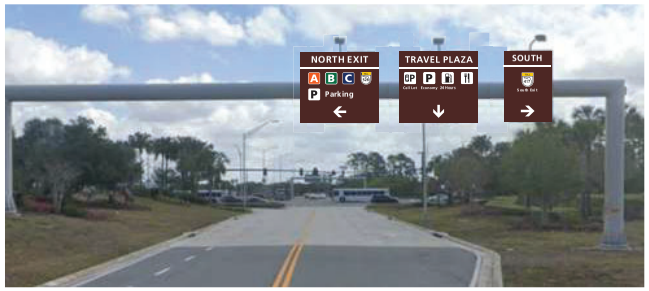
Drawing Title:

OT - NC.65

Drawing No.

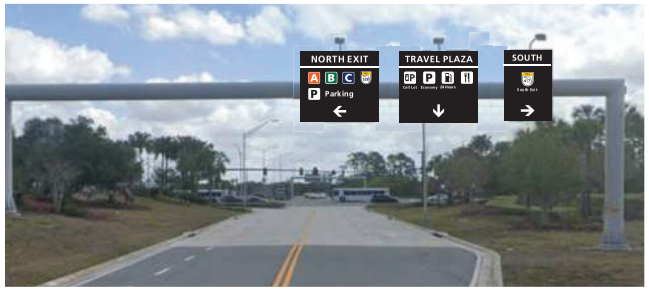
01.90

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents



west facing

38 Existing Elevation View (SCT.50)
Not to Scale



west facing

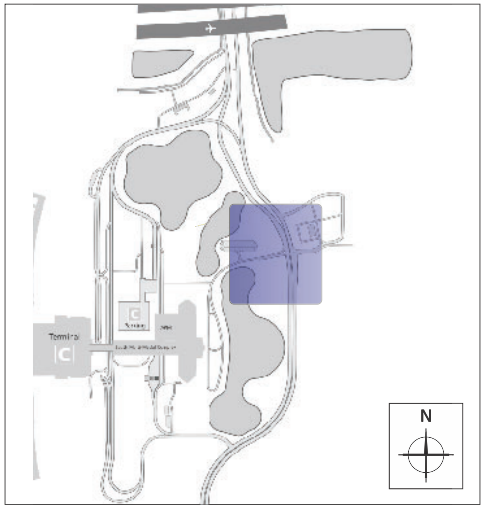
38 Elevation View (SCT.50)
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

General Location Area

38 Site View
Not to Scale

Existing Structure Sign SQ footage (WF) = 380
New Sign SQ footage (WF) = 290

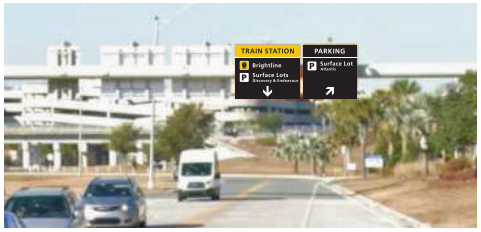


38 Location View
Not to Scale

east facing

38 Existing Elevation View (SCT.30)
Not to Scale

Existing Structure Sign SQ footage (EF) = 220
New Sign SQ footage (EF) = 220



east facing

38 Elevation View (SCT.30)
Not to Scale

Orlando International Airport

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Overhead Roadway Sign Updates

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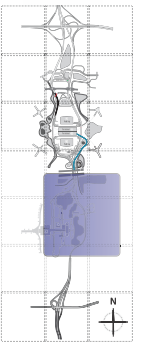
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

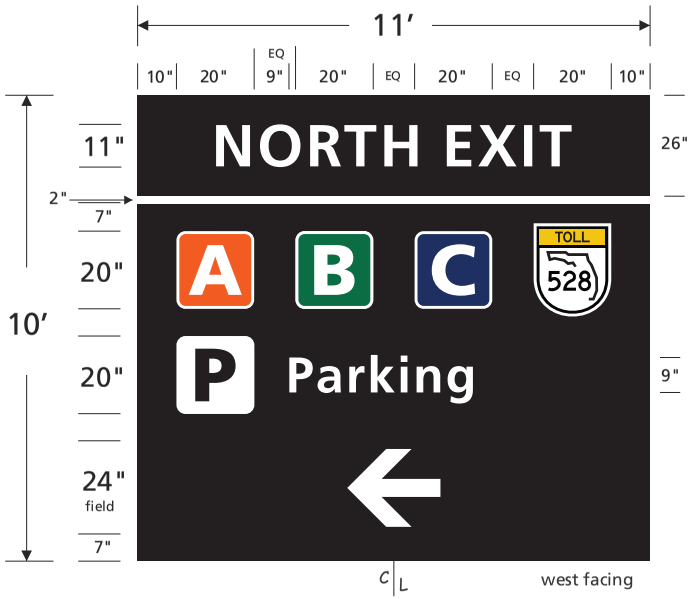
Drawing Title:

OT - SCT.50

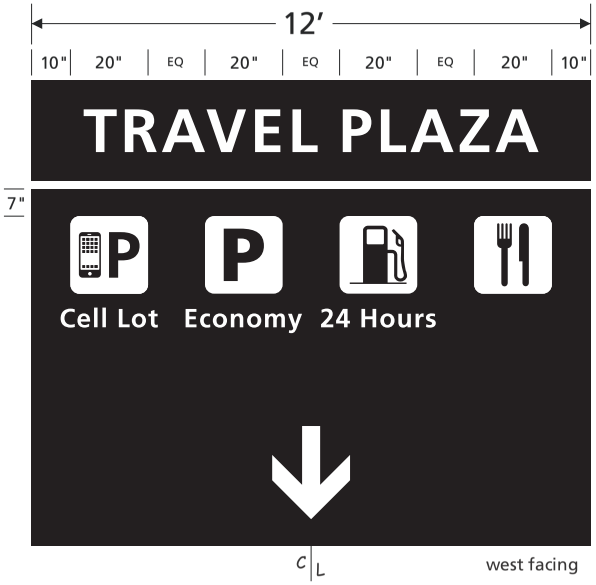
Drawing No.

01.91

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



38 Graphic View (sign 1)
Scale is 3/8″ = 1′



38 Graphic View (sign 2)
Scale is 3/8″ = 1′

38 Graphic View (sign 3)
Scale is 3/8″ = 1′

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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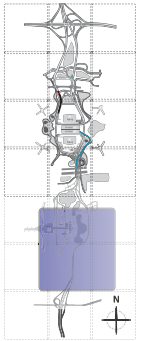
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

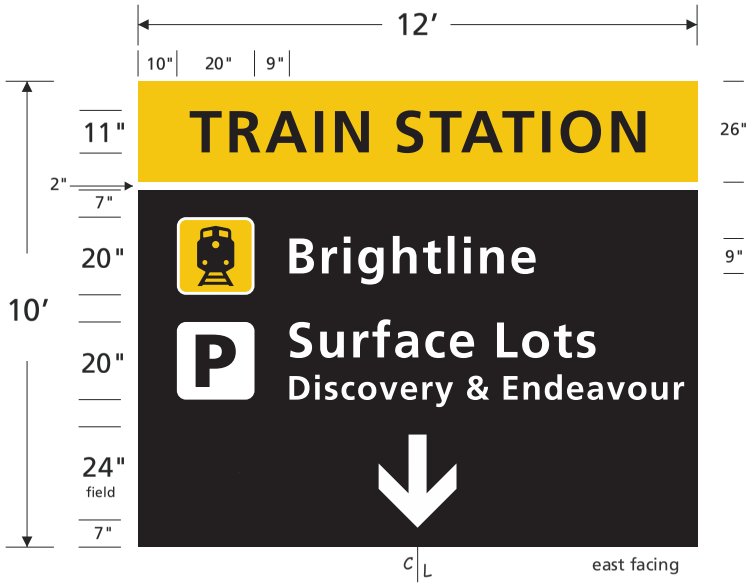
Drawing Title:

OC - SCT.50

Drawing No.

01.92

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



38 Graphic View (sign 1)
Scale is 3/8″ = 1′

38 Graphic View (sign 2)
Scale is 3/8″ = 1′

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G-0050
Overhead Roadway Sign Updates

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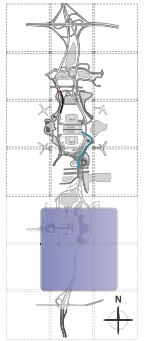
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - SCT.50

Drawing No.

01.93

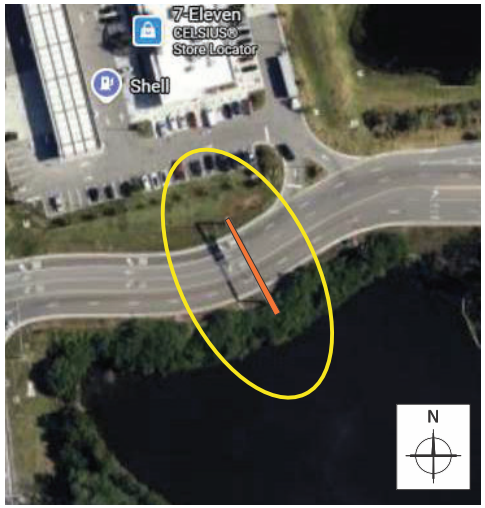
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 330
Proposed SQ footage = 330

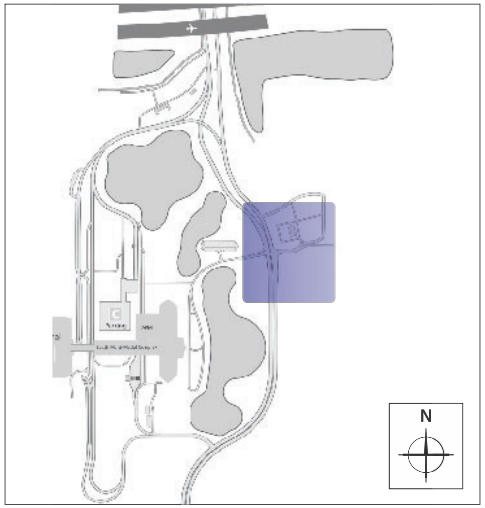
39 Existing Elevation View (SCT.55)
Not to Scale

39 Elevation View (SCT.55)
Not to Scale

General Location Area



39 Site View
Not to Scale



39 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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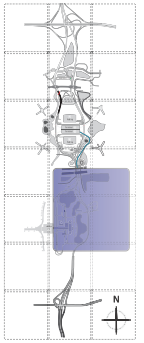


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

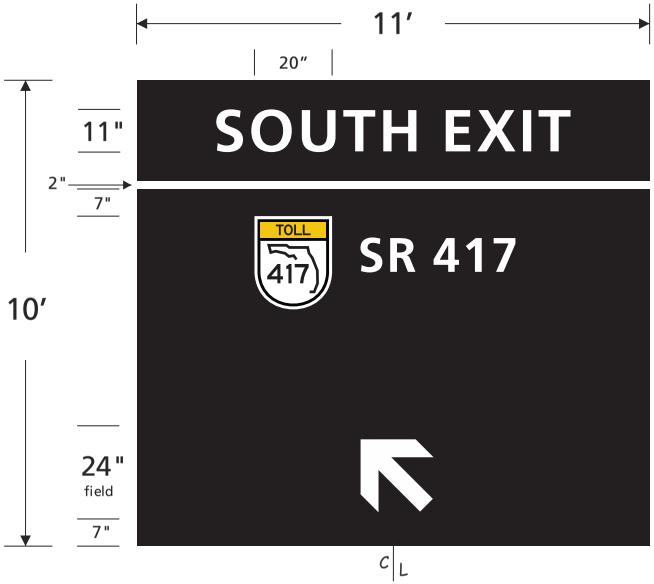
Drawing Title:

OT - SCT.55

Drawing No.

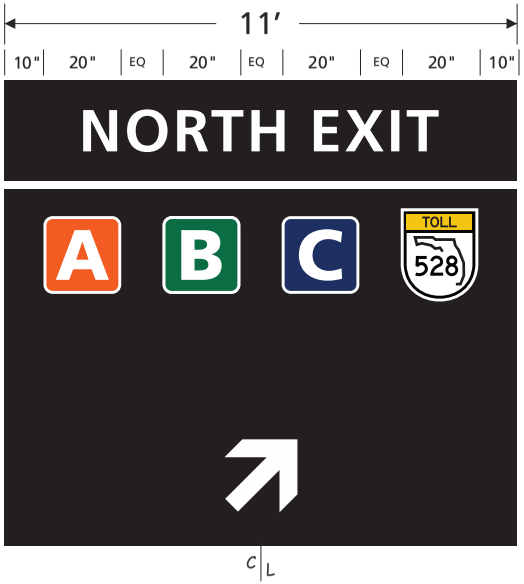
01.94

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



39 Graphic View (sign 1)
Scale is 3/8″ = 1′

39 Graphic View (sign 2)
Scale is 3/8″ = 1′



39 Graphic View (sign 3)
Scale is 3/8″ = 1′

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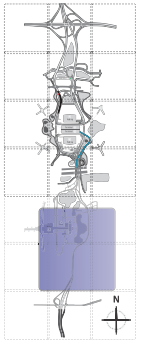


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - SCT.55

Drawing No.

01.95

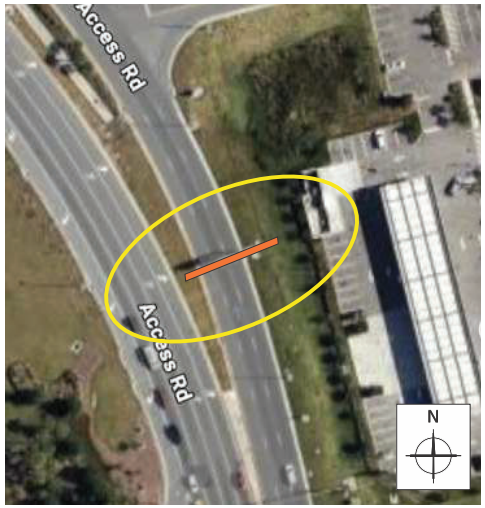
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 345
Proposed SQ footage = 345

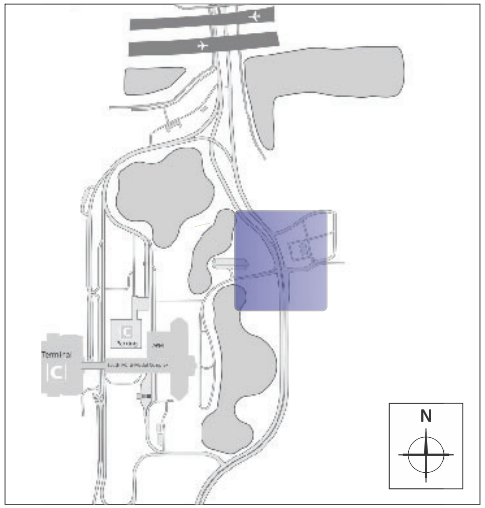
40 Existing Elevation View (NC.70)
Not to Scale

40 Elevation View (NC.70)
Not to Scale

General Location Area



40 Site View
Not to Scale



40 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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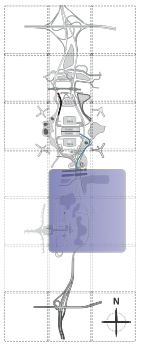


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

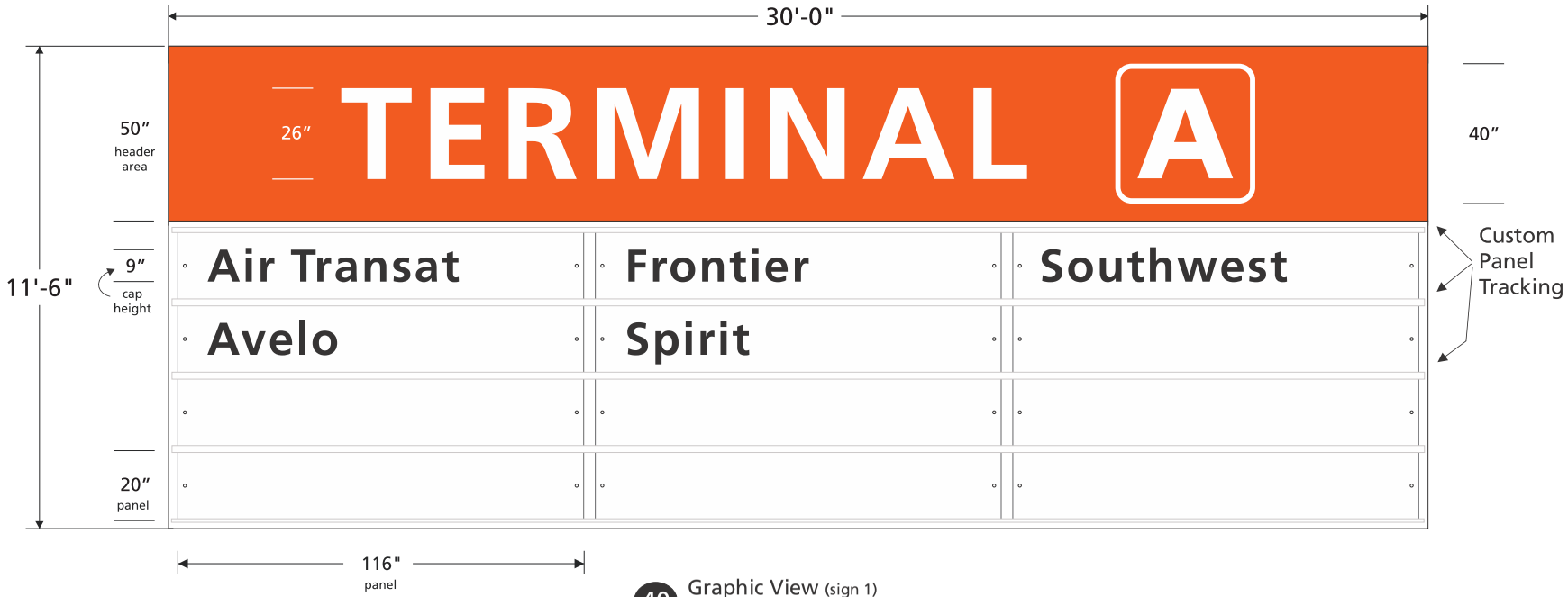
Drawing Title:

OT - NC.70

Drawing No.

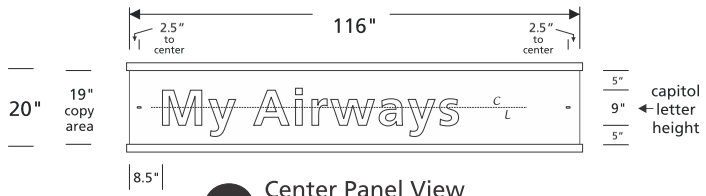
01.96

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



40 Graphic View (sign 1)
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

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G-0050
Overhead Roadway Sign Updates

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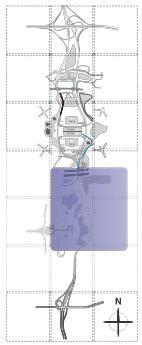
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.70

Drawing No.

01.97

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

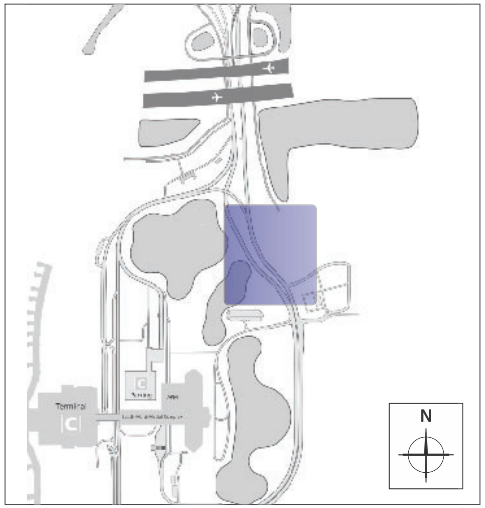
Existing SQ footage = 345
Proposed SQ footage = 345

41 Existing Elevation View (NC.75)
Not to Scale

41 Elevation View (NC.75)
Not to Scale

General Location Area

41 Site View
Not to Scale



41 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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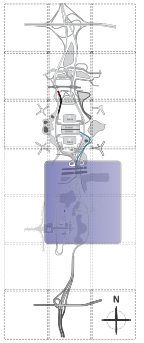
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

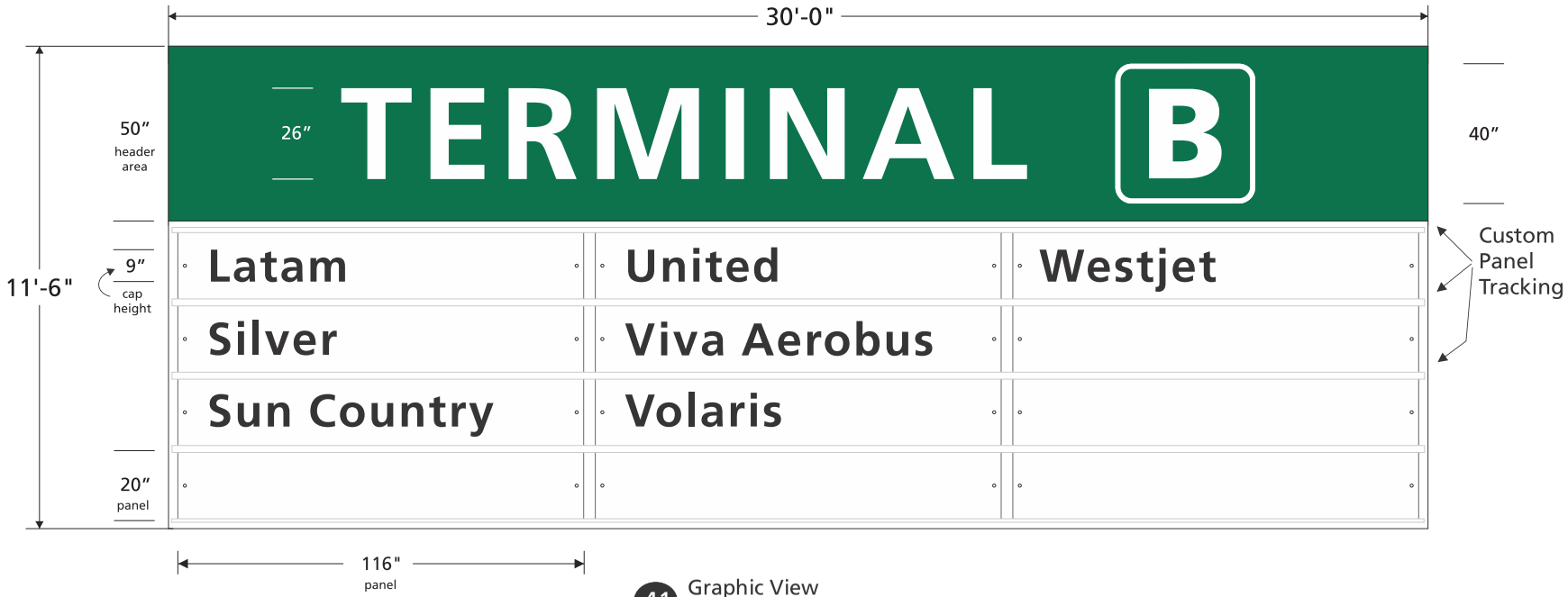
Drawing Title:

OC - NC.75

Drawing No.

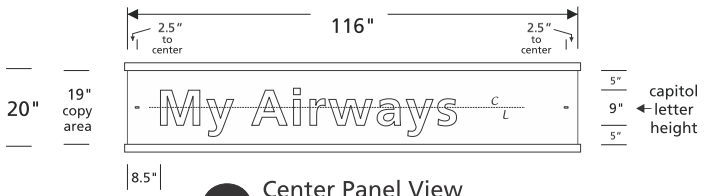
01.98

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 2



41 Graphic View
Scale is 3/8" = 1'

reference page 01.06 - Airline Panel Details



D Center Panel View
Scale is 3/8" = 1'

"Terminals" = Frutiger 65 (20% letter spacing)
"Airlines" (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication
*Airlines name may change prior to fabrication (GOAA my add more airlines)

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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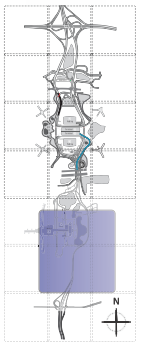
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.75

Drawing No.

01.99

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

01.100 - Index
01.101 - 01.152 - Individual Sign Details

02.00 - Location Map (in separate document)

OT = Overhead Truss Structure
OC = Overhead Cantilever Structure
TC = Overhead T Cantilever Structure

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G-0050
Overhead Roadway Sign Updates

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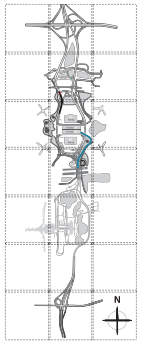
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index

Drawing No.

01.100

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

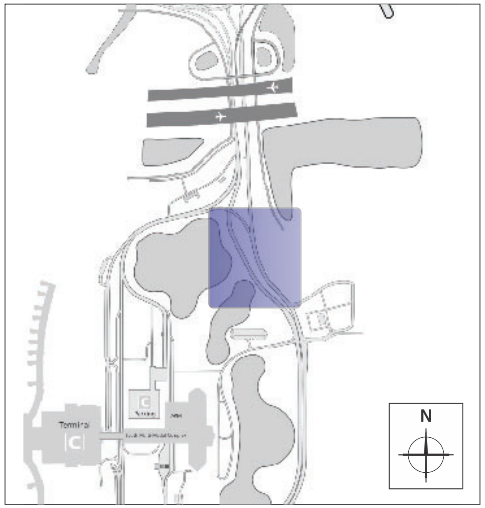
Existing SQ footage = 330
Proposed SQ footage = 330

42 Existing Elevation View (NC.80)
Not to Scale

42 Elevation View (NC.80)
Not to Scale

General Location Area

42 Site View
Not to Scale



42 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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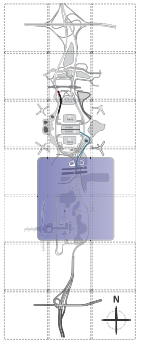
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

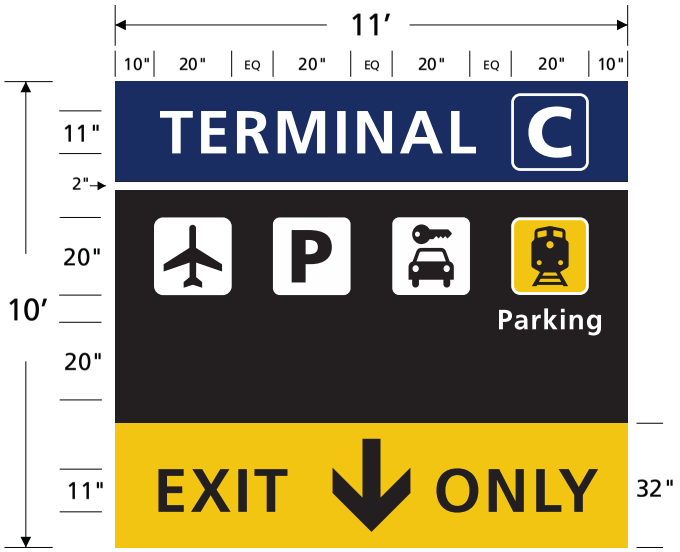
Drawing Title:

OT - NC.80

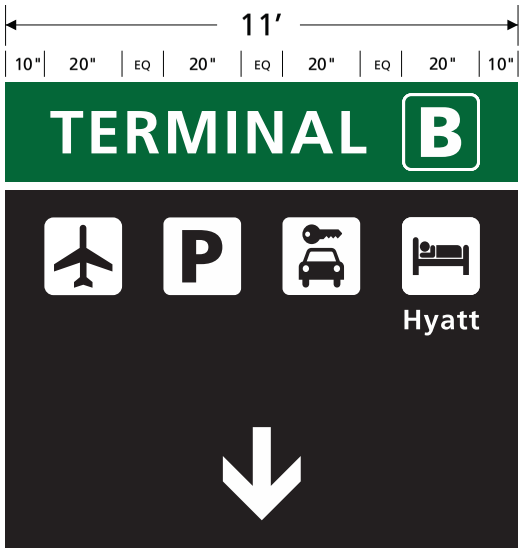
Drawing No.

01.101

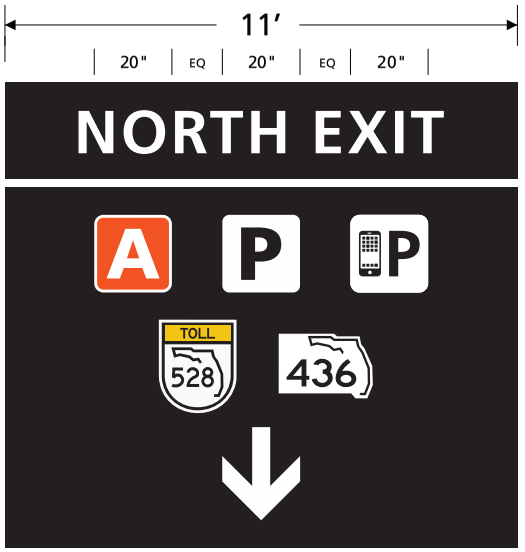
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



42 Graphic View (sign 1)
Scale is 3/8″ = 1′



42 Graphic View (sign 2)
Scale is 3/8″ = 1′



42 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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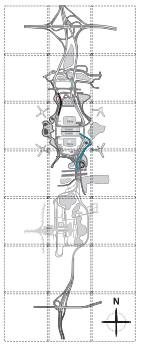
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NC.80

Drawing No.

01.102

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

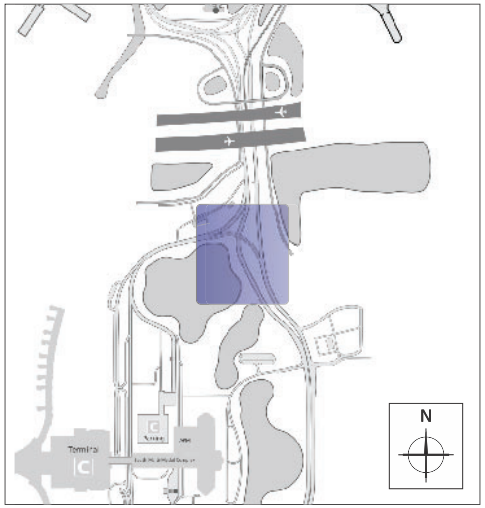
Existing SQ footage = 210?
Proposed SQ footage = 210?

43 Existing Elevation View (NC.85)
Not to Scale

43 Elevation View (NC.85)
Not to Scale

General Location Area

43 Site View
Not to Scale



43 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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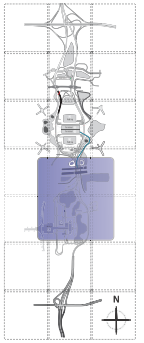
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.85

Drawing No.

01.103

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

43 Graphic View (sign 1)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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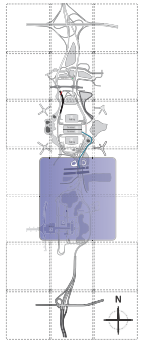


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.85

Drawing No.

01.104

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

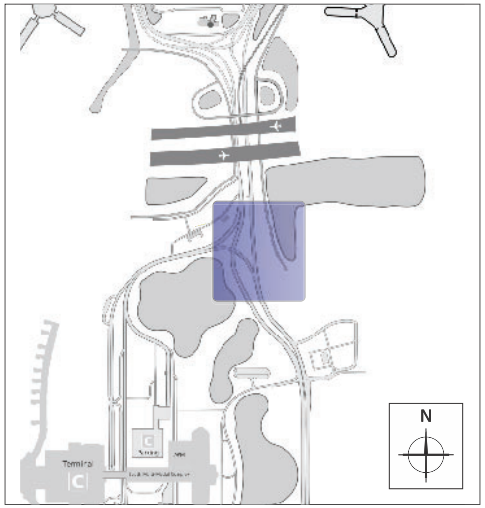
Existing SQ footage = 175
Proposed SQ footage = 175

44 Existing Elevation View (NC.90)
Not to Scale

44 Elevation View (NC.90)
Not to Scale

General Location Area

44 Site View
Not to Scale



44 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

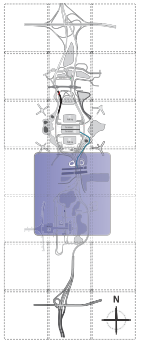
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

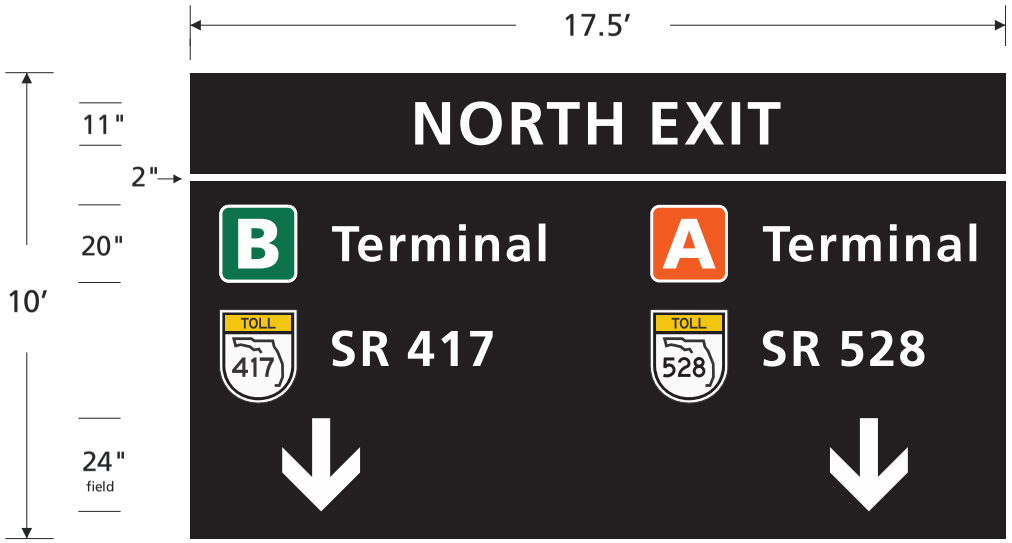
Drawing Title:

OC - NC.90

Drawing No.

01.105

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



44 Graphic View (sign 1)
Scale is 3/8” = 1’

“Text” = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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G-0050
Overhead Roadway Sign Updates

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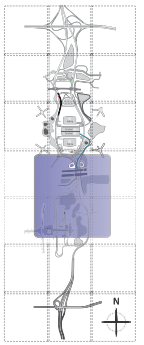
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.90

Drawing No.

01.106

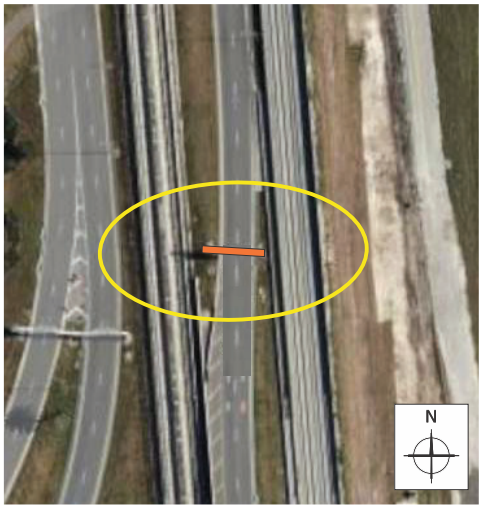
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 235
Proposed SQ footage = 220

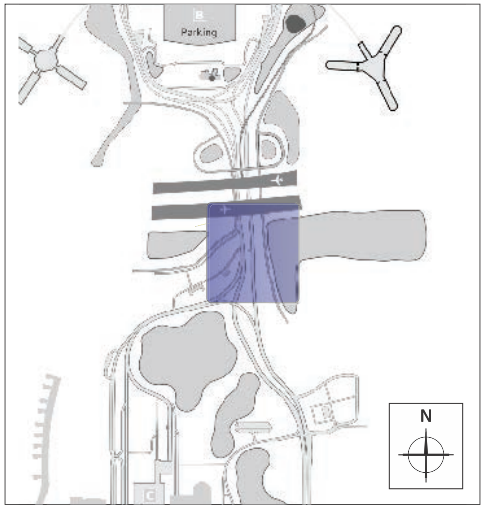
45 Existing Elevation View (NC.95)
Not to Scale

45 Elevation View (NC.95)
Not to Scale

General Location Area



45 Site View
Not to Scale



45 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Relocate sign lights and turn over extra light to GOAA
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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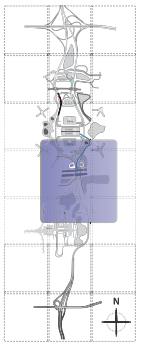
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

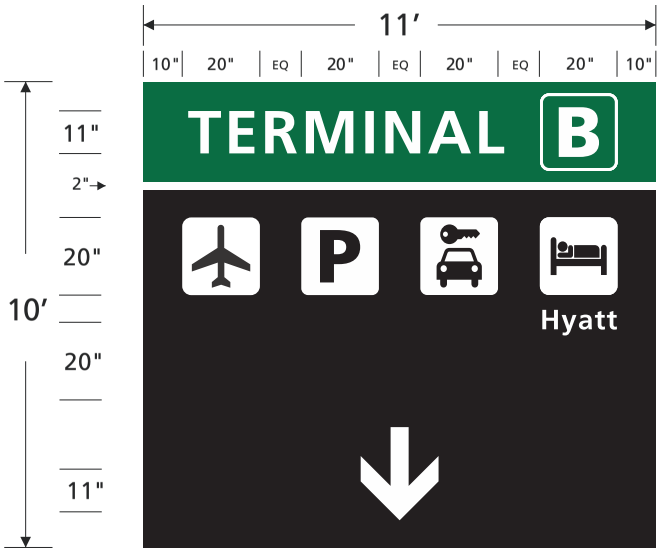
OC - NC.95

Drawing No.

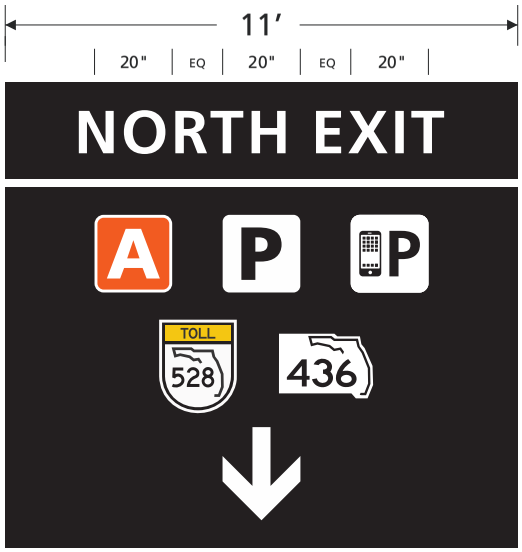
01.107

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 235
Proposed SQ footage = 220



45 Graphic View (sign 1)
Scale is 3/8″ = 1′



45 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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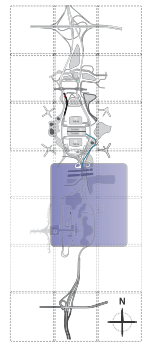
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NC.95

Drawing No.

01.108

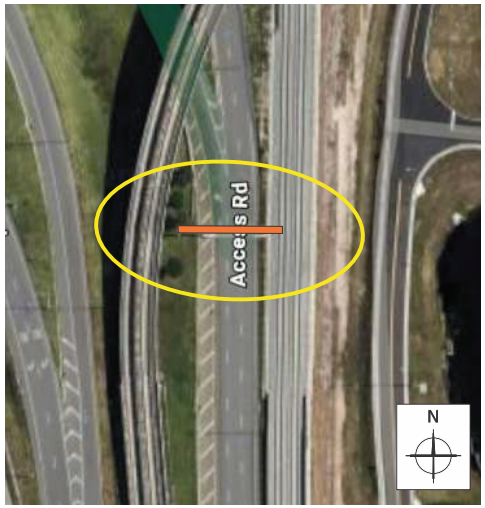
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 300
Proposed SQ footage = 300

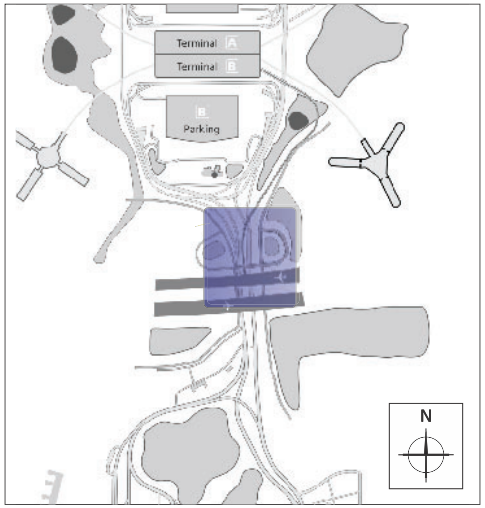
46 Existing Elevation View (NC.97)
Not to Scale

46 Elevation View (NC.97)
Not to Scale

General Location Area



46 Site View
Not to Scale



46 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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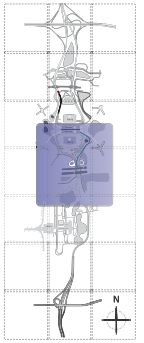
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

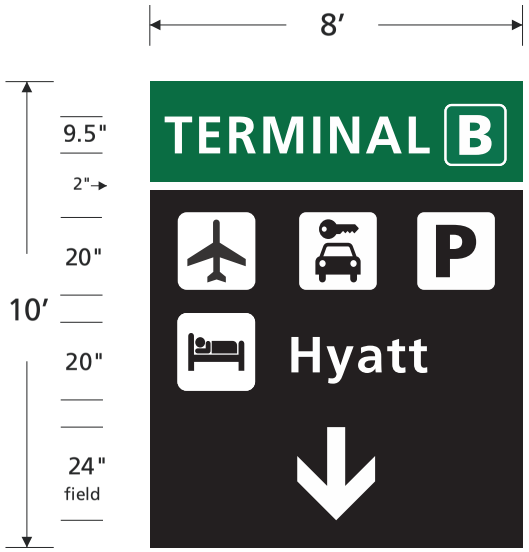
OT - NC.97

Drawing No.

01.109

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 235
Proposed SQ footage = 220



46 Graphic View (sign 1)
Scale is 3/8″ = 1′

46 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)
*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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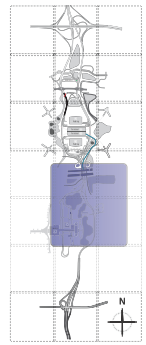
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

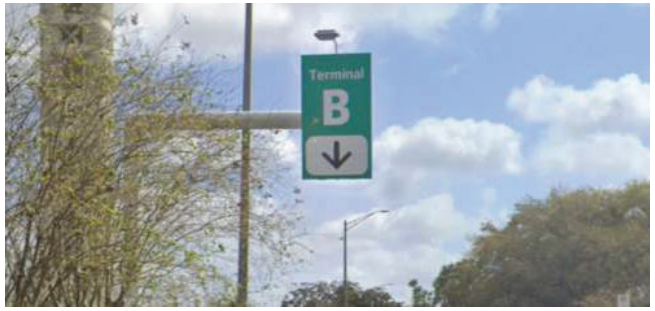
OT - NC.97

Drawing No.

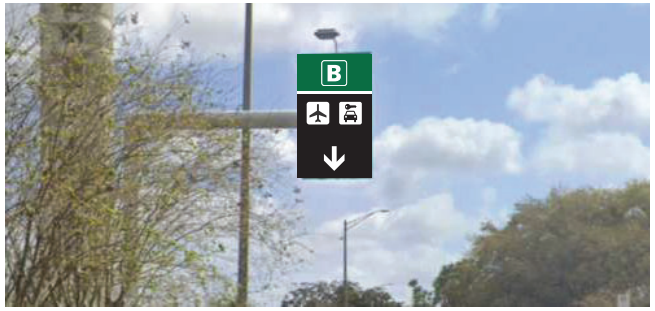
01.110

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 60
Proposed SQ footage = 60

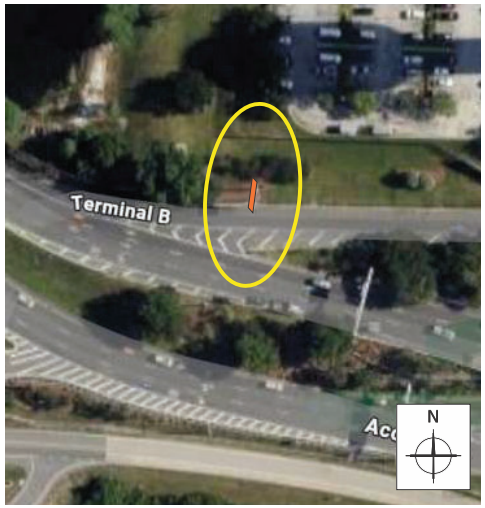


47 Existing Elevation View (LB.01)
Not to Scale

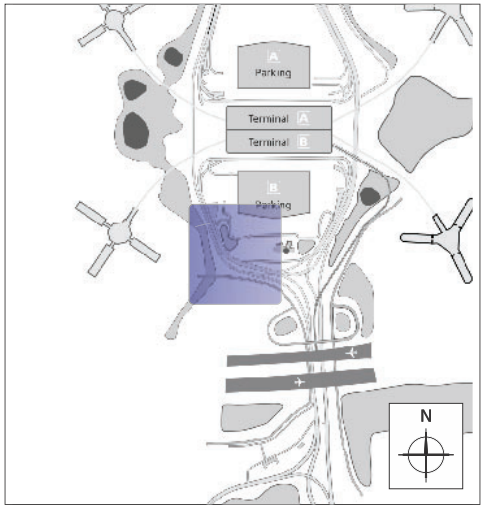


47 Elevation View (LB.01)
Not to Scale

General Location Area



47 Site View
Not to Scale



47 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

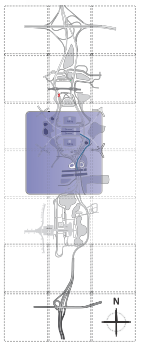
Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

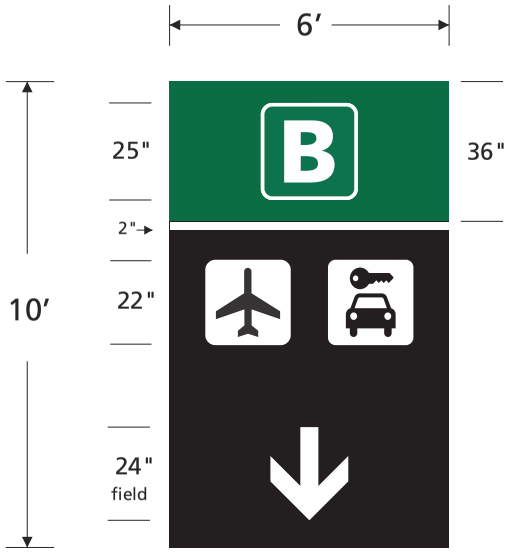
Drawing Title:

OC - LB.01

Drawing No.

01.111

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



47 Graphic View (sign 1)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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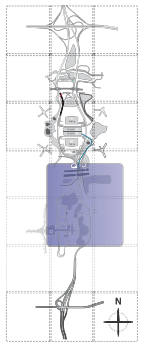
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - LB.01

Drawing No.

01.112

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

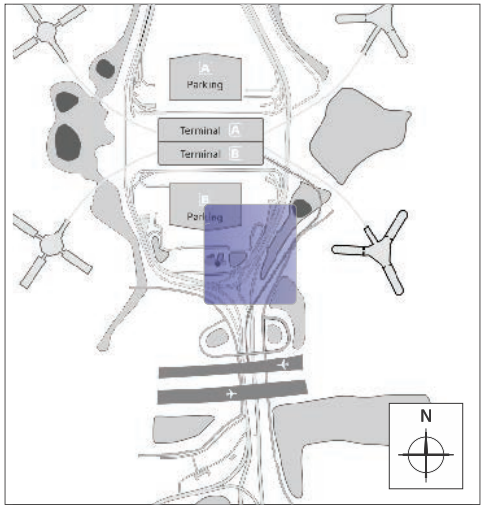
Existing SQ footage = 320
Proposed SQ footage = 320

48 Existing Elevation View (LB.02)
Not to Scale

48 Elevation View (LB.02)
Not to Scale

General Location Area

48 Site View
Not to Scale



48 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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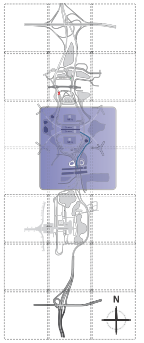
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

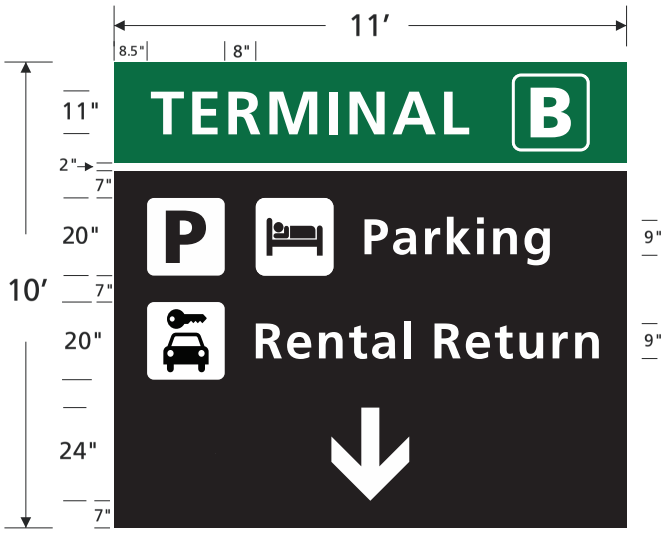
Drawing Title:

OT - LB.02

Drawing No.

01.113

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



48 Graphic View (sign 1)
Scale is 3/8″ = 1′

48 Graphic View (sign 2)
Scale is 3/8″ = 1′

48 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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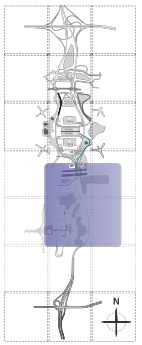
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

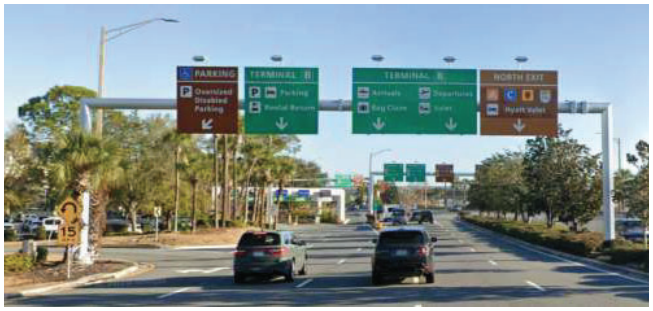
OT - LB.02

Drawing No.

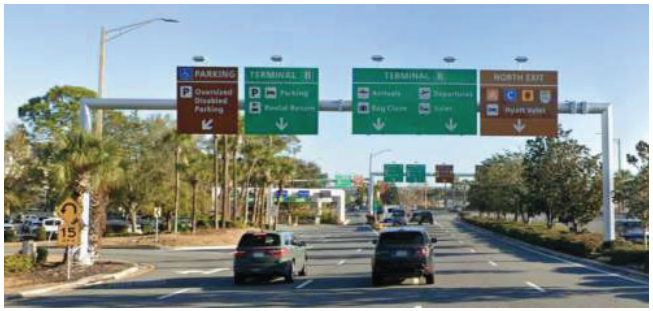
01.114

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 290
Proposed SQ footage = 290



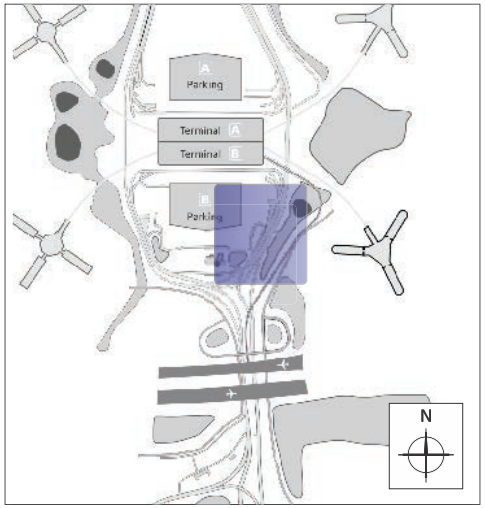
49 Existing Elevation View (LB.03)
Not to Scale



49 Elevation View (LB.03)
Not to Scale

General Location Area

49 Site View
Not to Scale



49 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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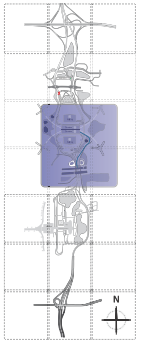
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

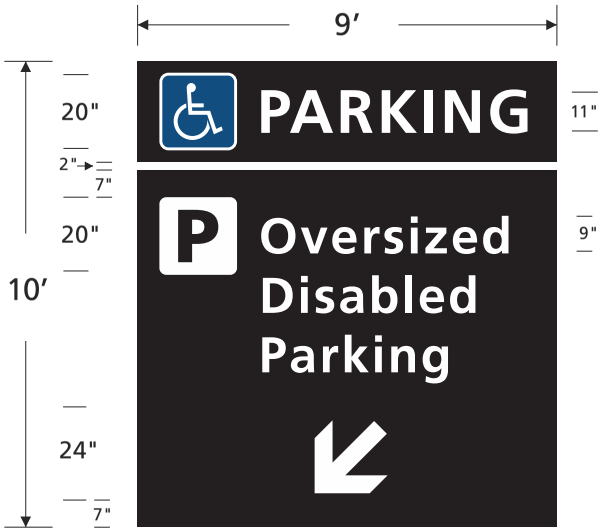
Drawing Title:

OT - LB.03

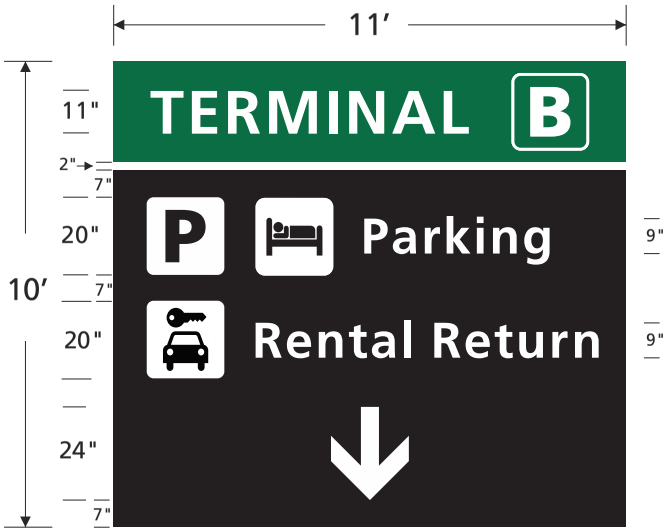
Drawing No.

01.115

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



49 Graphic View (sign 1)
Scale is 3/8" = 1′



49 Graphic View (sign 2)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

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Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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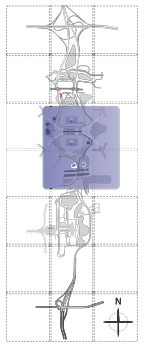
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

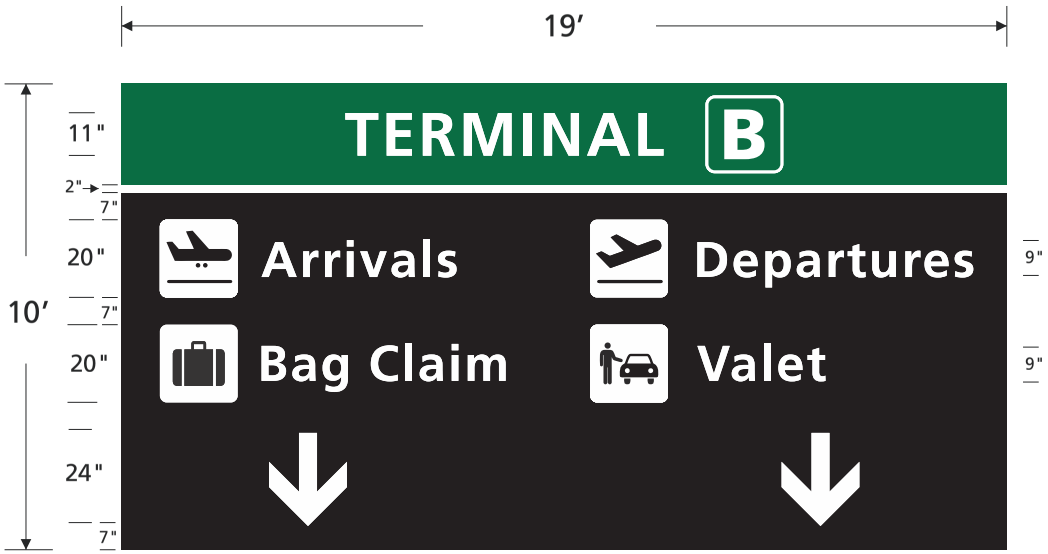
Drawing Title:

OT - LB.02

Drawing No.

01.116

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



49 Graphic View (sign 3)
Scale is 3/8" = 1′

49 Graphic View (sign 4)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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G-0050
Overhead Roadway Sign Updates

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Artistic Identity
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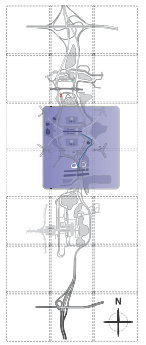
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LB.02

Drawing No.

01.117

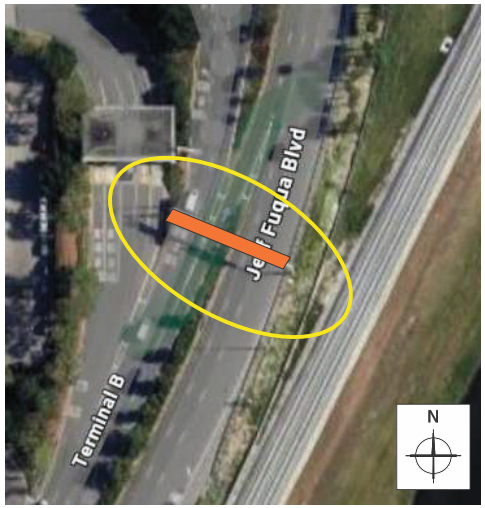
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 290
Proposed SQ footage = 290

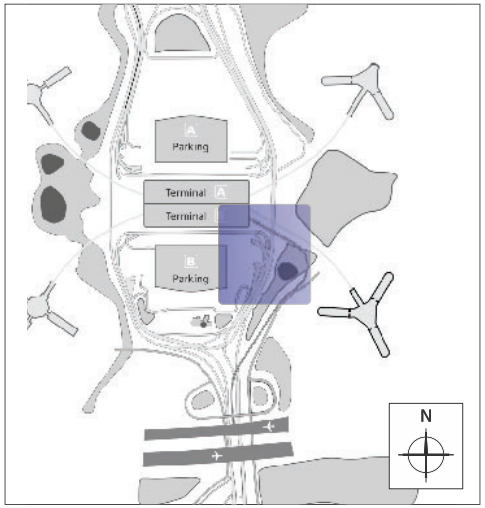
50 Existing Elevation View (LB.04)
Not to Scale

50 Elevation View (LB.04)
Not to Scale

General Location Area



50 Site View
Not to Scale



50 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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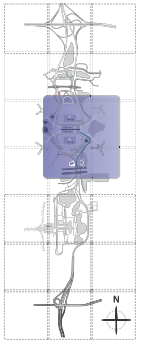
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LB.04

Drawing No.

01.118

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

New Sign

50 Graphic View (sign 1)
Scale is 3/8″ = 1′

Existing to remain

50 Graphic View (sign 2)
Scale is 3/8″ = 1′

New Sign

50 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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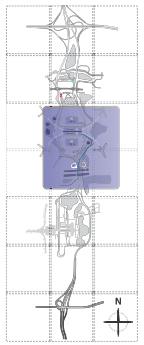


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

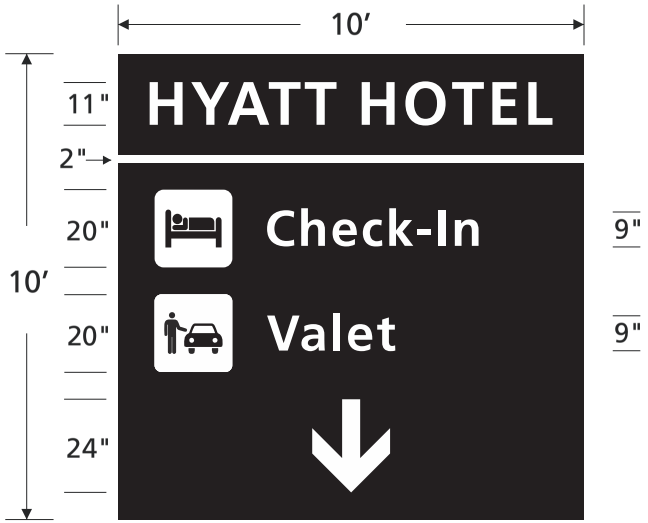
Drawing Title:

OT - LB.04

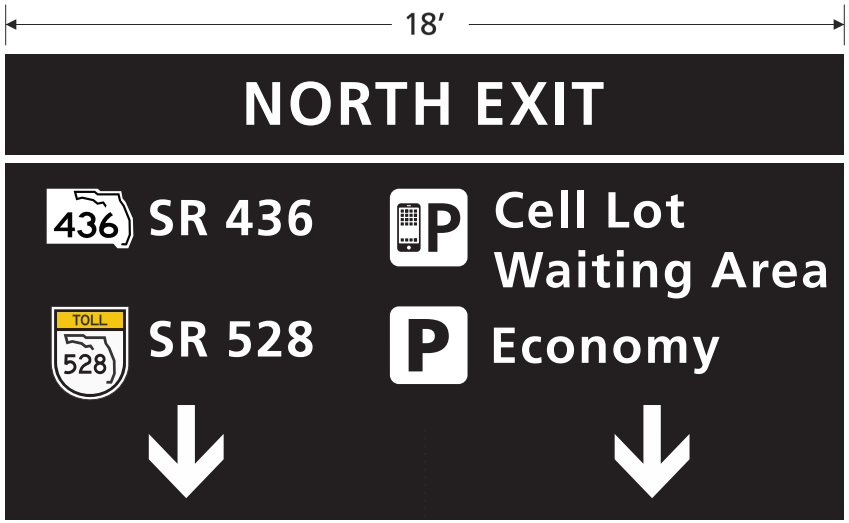
Drawing No.

01.119

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



50 Graphic View (sign 4)
Scale is 3/8" = 1′



50 Graphic View (sign 5)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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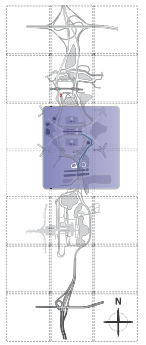


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

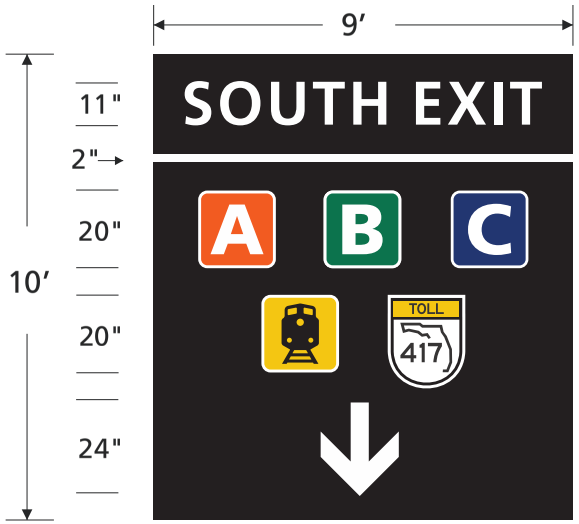
Drawing Title:

OT - LB.04

Drawing No.

01.120

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



50 Graphic View (sign 6)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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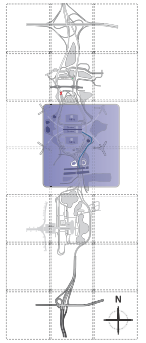
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LB.04

Drawing No.

01.121

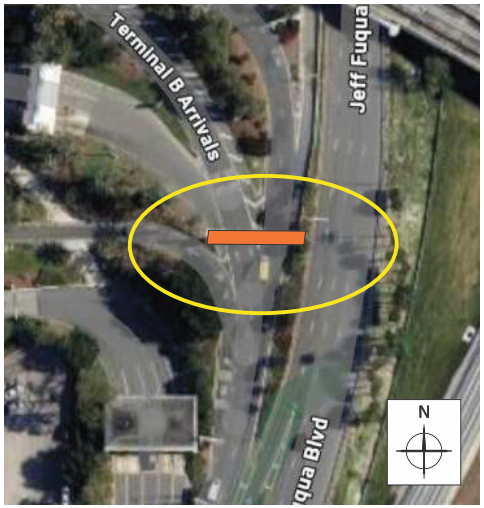
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents

Existing SQ footage = 390
Proposed SQ footage = 390

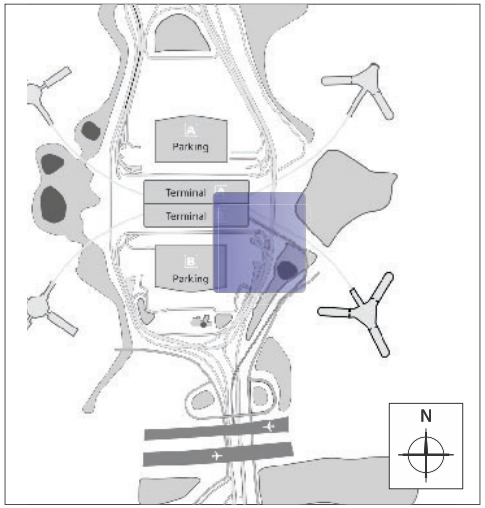
51 Existing Elevation View (LB.06)
Not to Scale

51 Elevation View (LB.06)
Not to Scale

General Location Area



51 Site View
Not to Scale



51 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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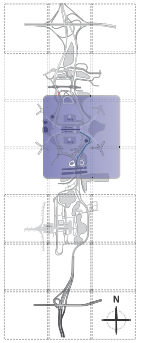

Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LB.06

Drawing No.

01.122

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

51 Graphic View (sign 1)
Scale is 3/8” = 1’

“Text” = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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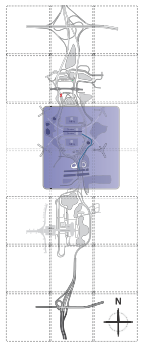


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

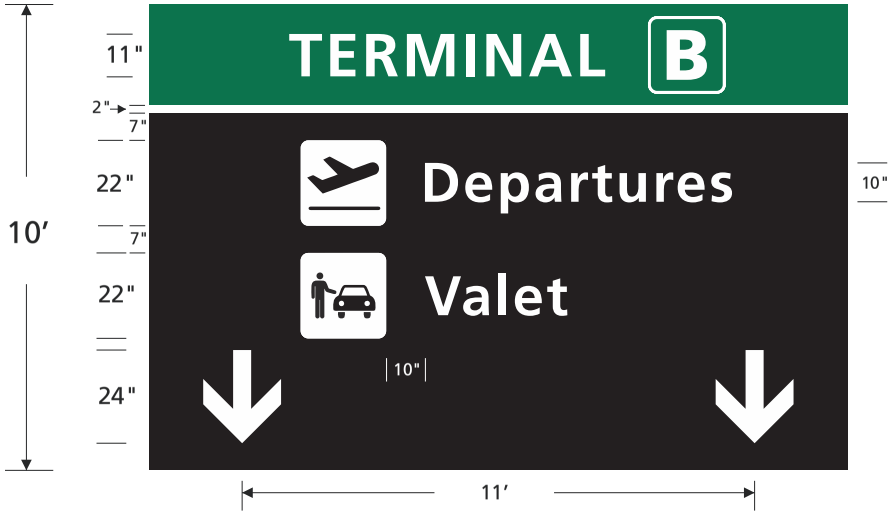
Drawing Title:

OT - LB.06

Drawing No.

01.123

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



51 Graphic View (sign 2)
Scale is 3/8″ = 1′

51 Graphic View (sign 3)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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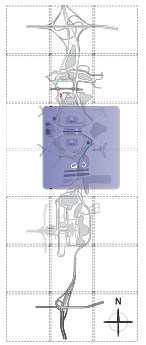
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LB.06

Drawing No.

01.124

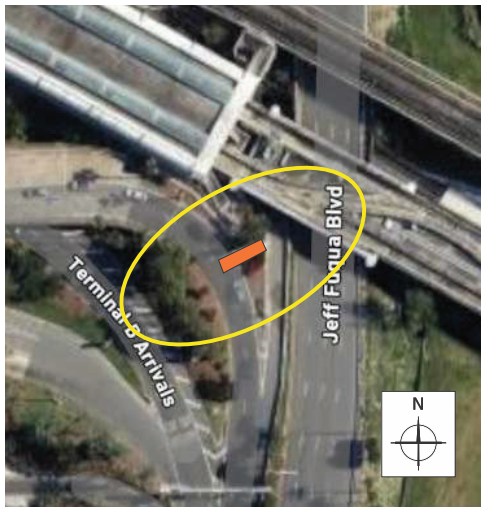
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 390
Proposed SQ footage = 390

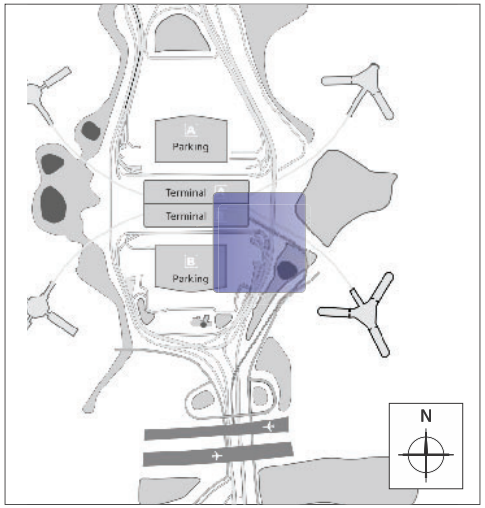
52 Existing Elevation View (LB.07)
Not to Scale

52 Elevation View (LB.07)
Not to Scale

General Location Area



52 Site View
Not to Scale



52 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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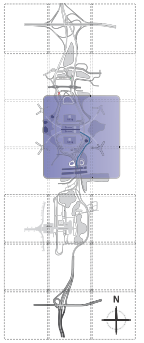
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

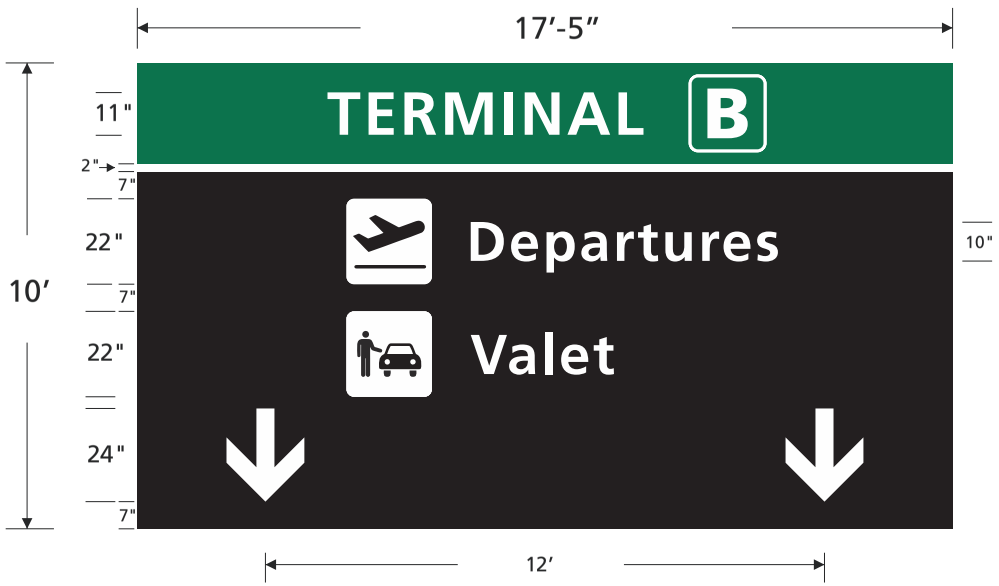
Drawing Title:

TC - LB.07

Drawing No.

01.125

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



52 Graphic View (sign 1)
Scale is 3/8″ = 1′

52 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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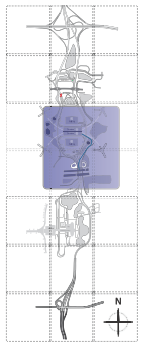
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

TC - LB.07

Drawing No.

01.126

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

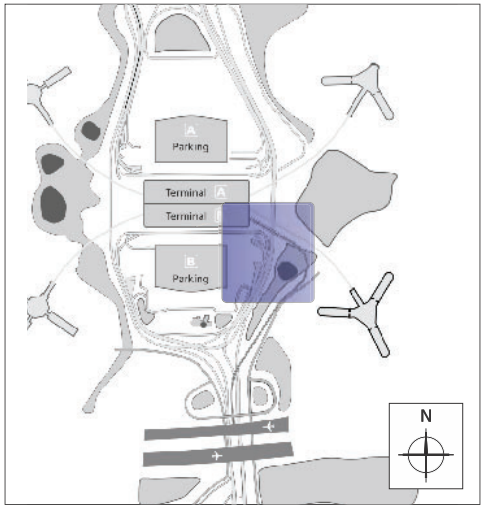
Existing SQ footage = 390
Proposed SQ footage = 390

53 Existing Elevation View (NB.85)
Not to Scale

53 Elevation View (NB.85)
Not to Scale

General Location Area

53 Site View
Not to Scale



53 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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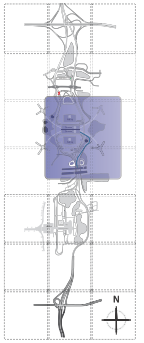
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

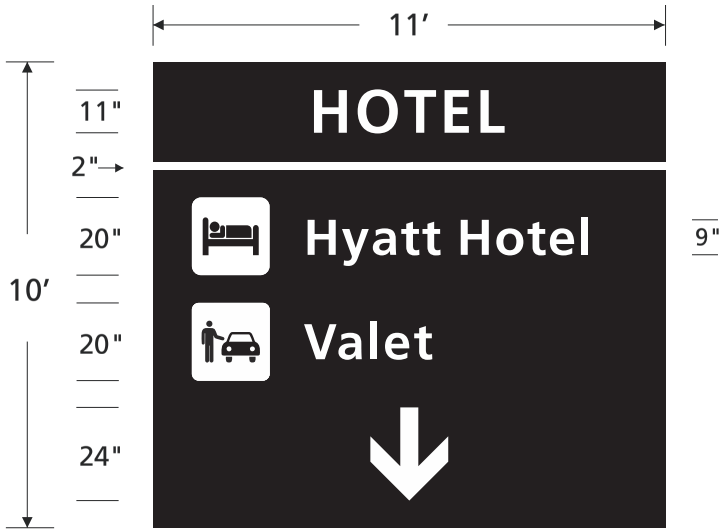
Drawing Title:

OC - NB.85

Drawing No.

01.127

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



53 Graphic View (sign 1)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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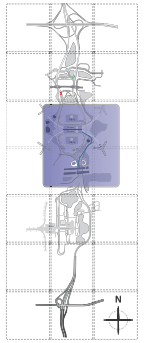
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NB.85

Drawing No.

01.128

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

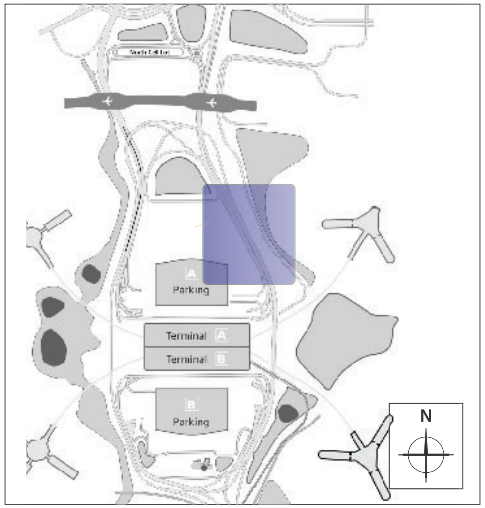
Existing SQ footage = 370?
Proposed SQ footage = 335

54 Existing Elevation View (NA.87)
Not to Scale

54 Elevation View (NA.87)
Not to Scale

General Location Area

54 Site View
Not to Scale



54 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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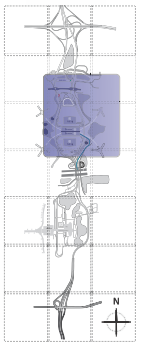
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

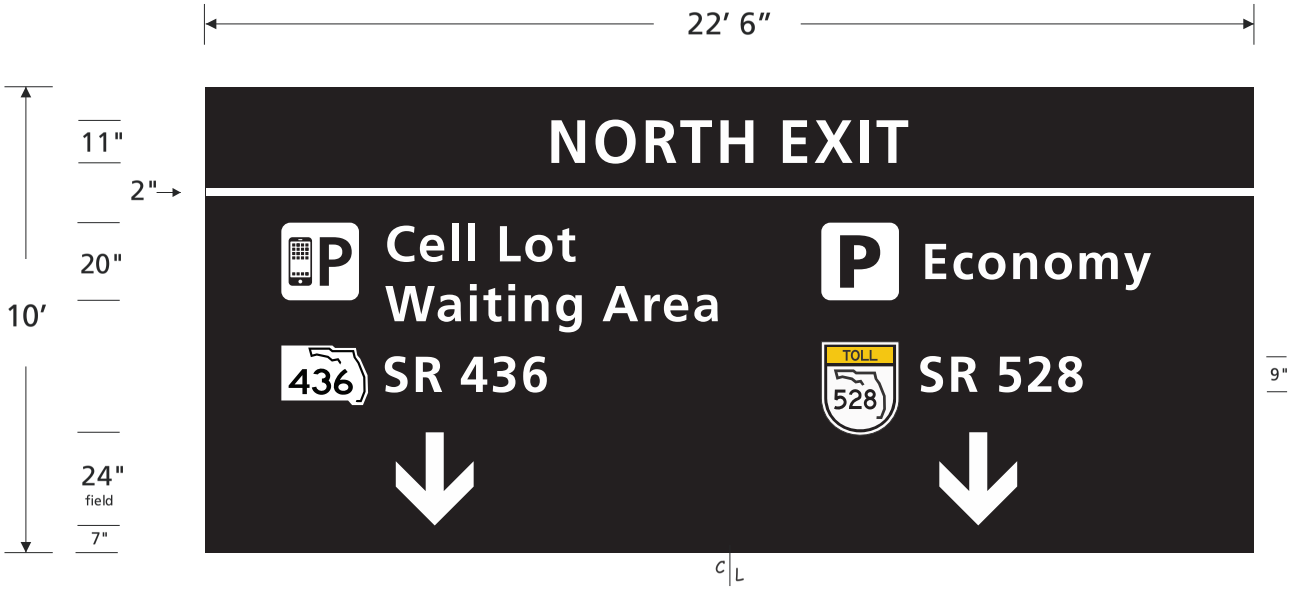
Drawing Title:

OT - NA.87

Drawing No.

01.129

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



54 Graphic View (sign 1)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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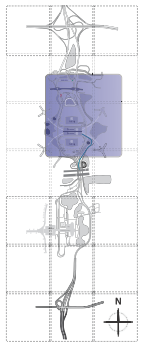
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

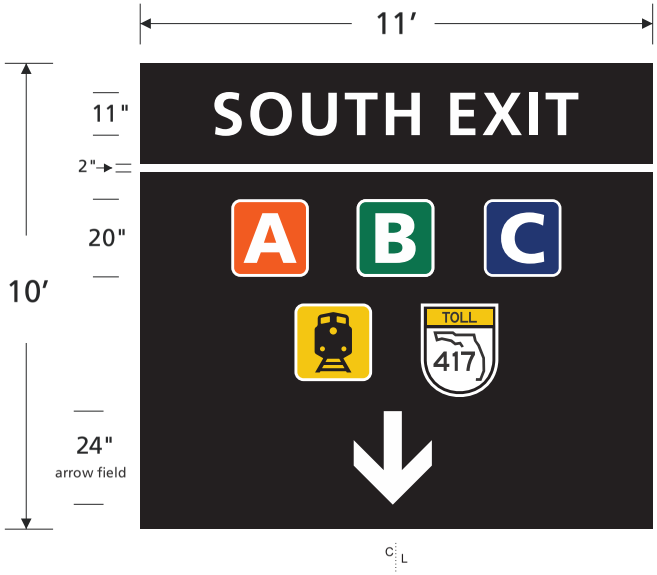
Drawing Title:

OT - NA.87

Drawing No.

01.130

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



54 Graphic View (sign 2)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
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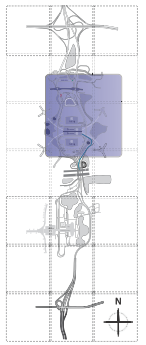
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NA.87

Drawing No.

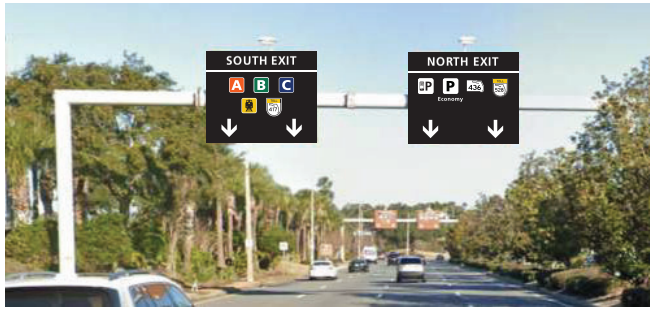
01.131

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 480
Proposed SQ footage = 480

west side

55 Existing Elevation View (NA.90)
Not to Scale

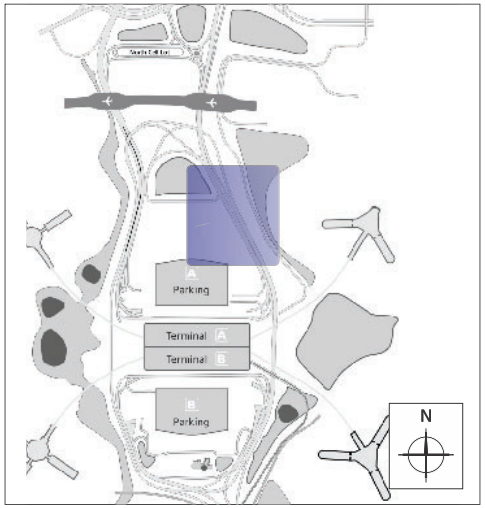


west side

55 Elevation View (NA.90)
Not to Scale

General Location Area

55 Site View
Not to Scale



55 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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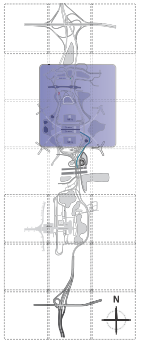
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NA.90

Drawing No.

01.132

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 480
Proposed SQ footage = 480

east side

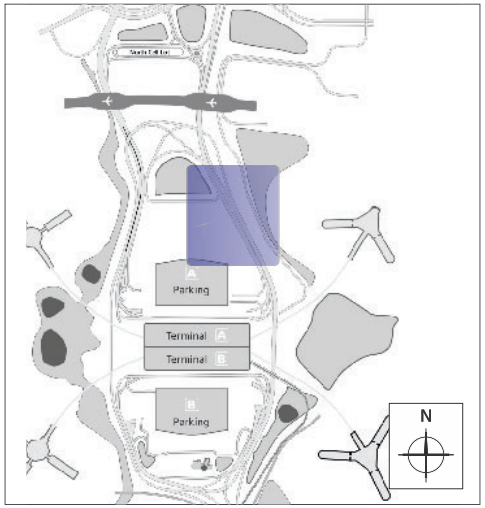
55 Existing Elevation View (NA.90)
Not to Scale

east side

55 Elevation View (NA.90)
Not to Scale

General Location Area

55 Site View
Not to Scale



55 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
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Overhead Roadway Sign Updates

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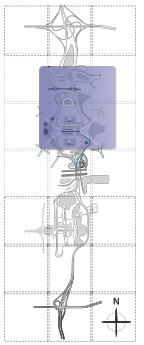


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

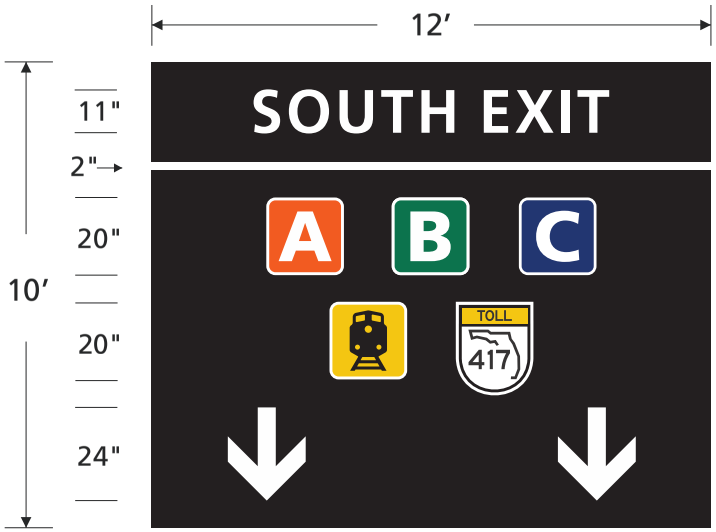
Drawing Title:

OT - NA.90

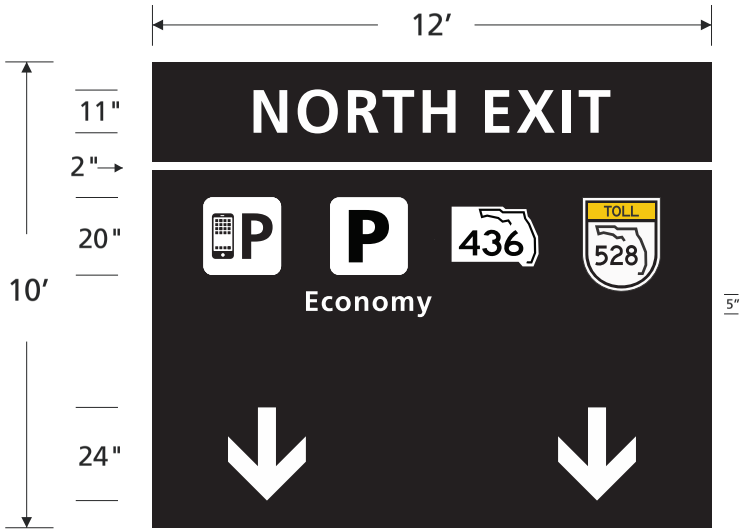
Drawing No.

01.133

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



55 Graphic View (sign 1)
Scale is 3/8" = 1′



55 Graphic View (sign 2)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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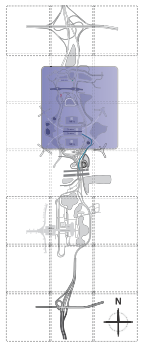
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

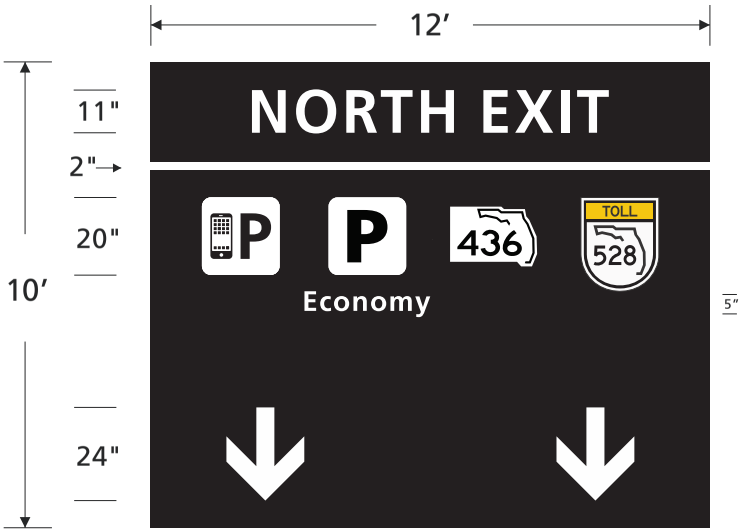
Drawing Title:

OT - NA.90

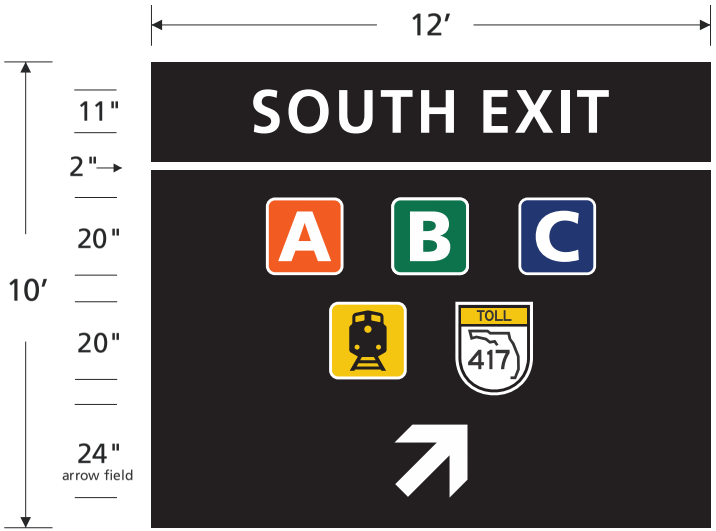
Drawing No.

01.134

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



55 Graphic View (sign 3)
Scale is 3/8" = 1′



55 Graphic View (sign 4)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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G-0050
Overhead Roadway Sign Updates

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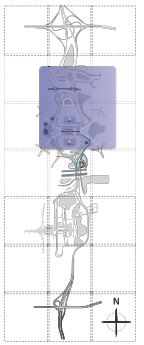


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NA.90

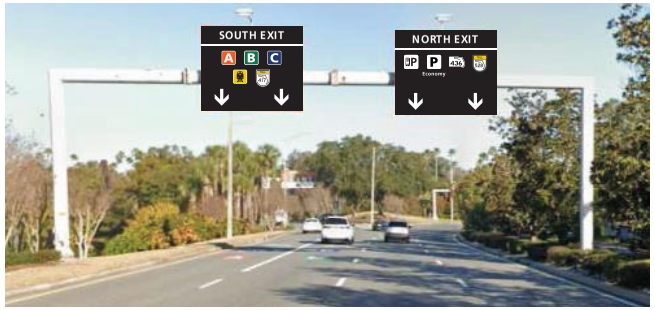
Drawing No.

01.135

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

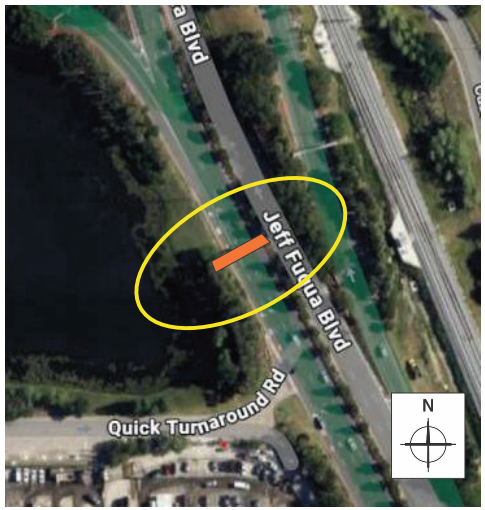
Existing SQ footage = 240
Proposed SQ footage = 240

56 Existing Elevation View (NA.95)
Not to Scale

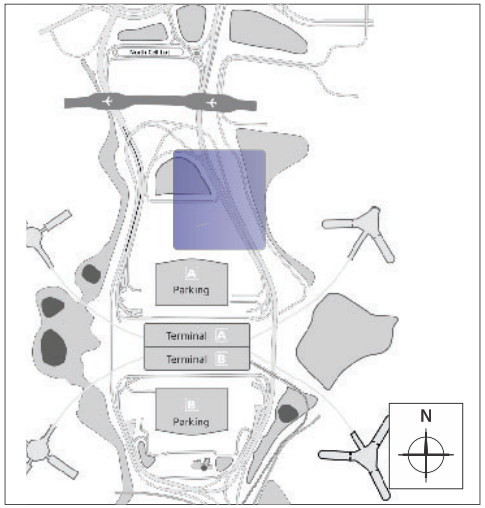


56 Elevation View (NA.95)
Not to Scale

General Location Area



56 Site View
Not to Scale



56 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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Overhead Roadway Sign Updates

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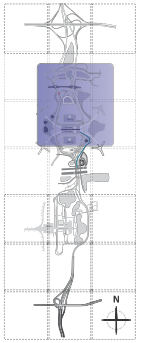


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

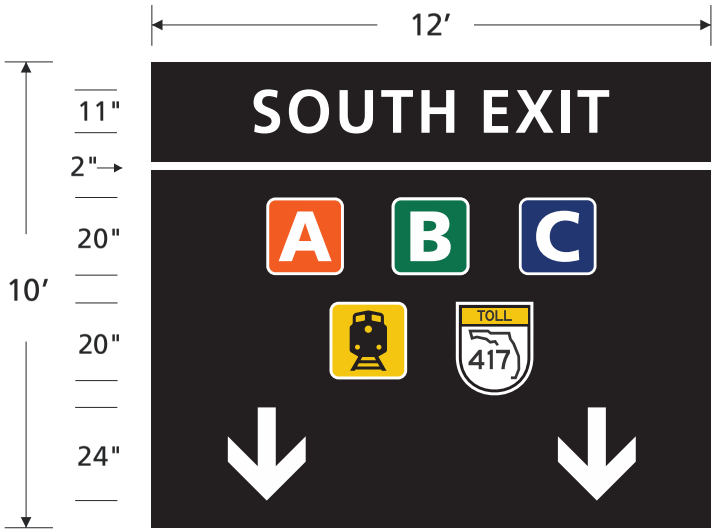
Drawing Title:

OT - NA.95

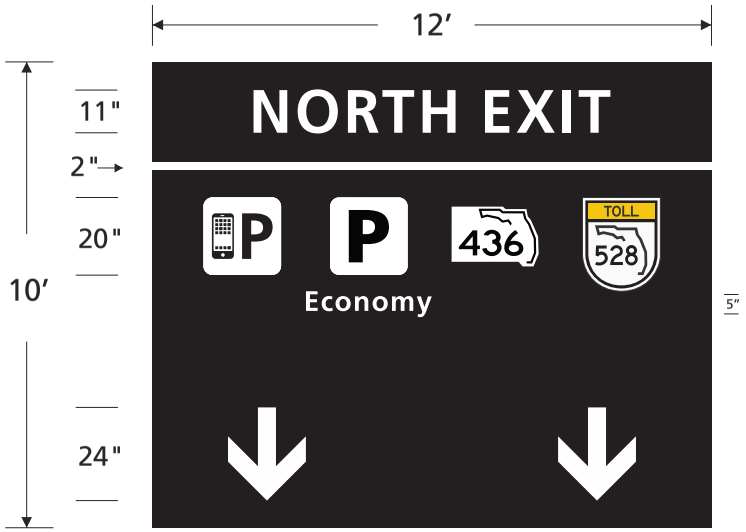
Drawing No.

01.136

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



56 Graphic View (sign 1)
Scale is 3/8" = 1′



56 Graphic View (sign 2)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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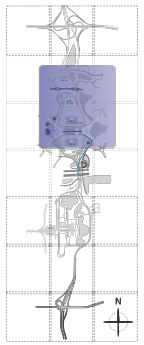
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NA.95

Drawing No.

01.137

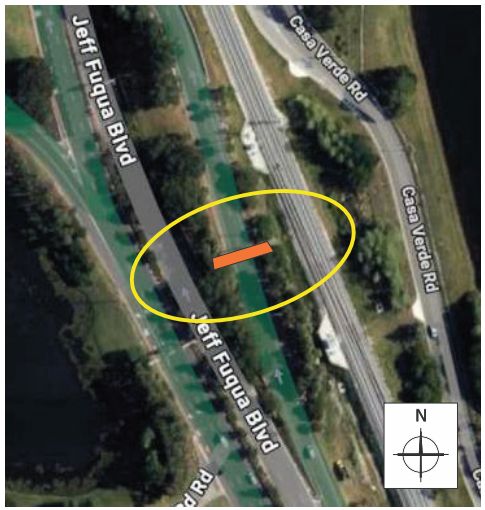
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 120
Proposed SQ footage = 120

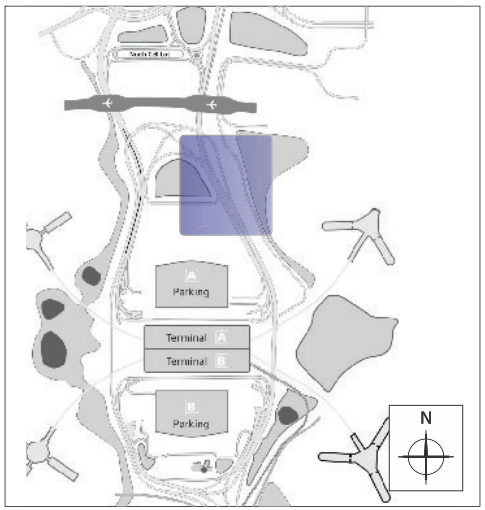
57 Existing Elevation View (LA.05)
Not to Scale

57 Elevation View (LA.05)
Not to Scale

General Location Area



57 Site View
Not to Scale



57 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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G-0050
Overhead Roadway Sign Updates

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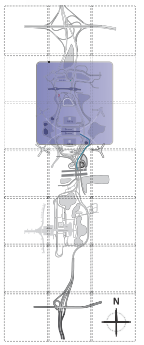
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

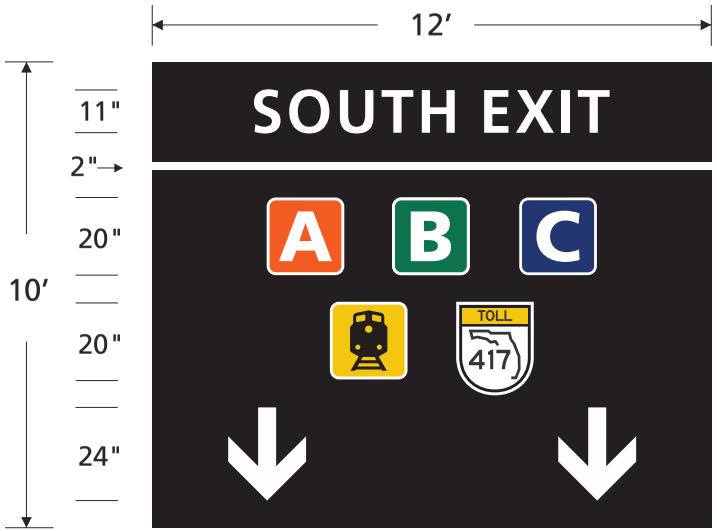
Drawing Title:

OT - LA.05

Drawing No.

01.138

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



57 Graphic View (sign 1)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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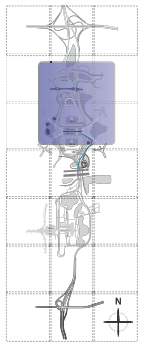
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - LA.05

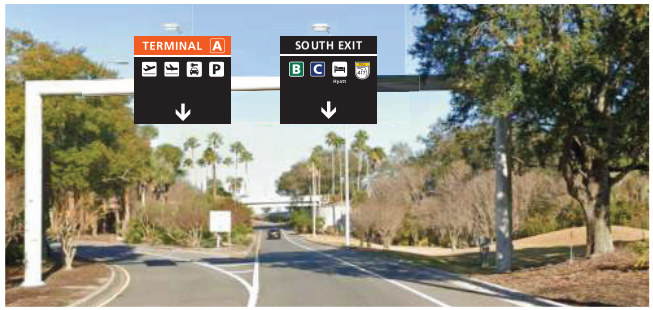
Drawing No.

01.139

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 235
Proposed SQ footage = 220

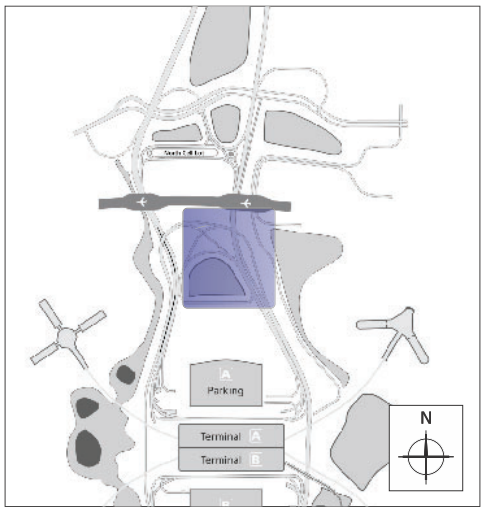
58 Existing Elevation View (LA.06)
Not to Scale



58 Elevation View (LA.06)
Not to Scale

General Location Area

58 Site View
Not to Scale



58 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
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Overhead Roadway Sign Updates

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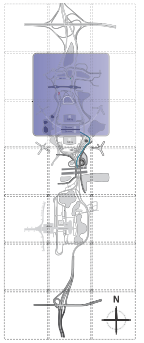
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

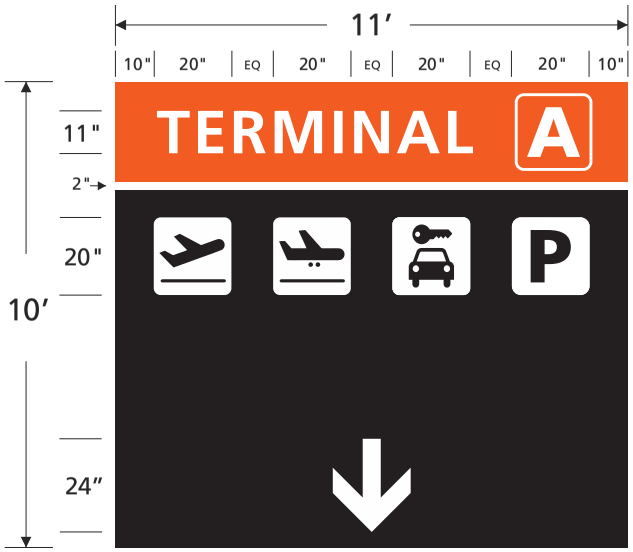
Drawing Title:

OT - LA.06

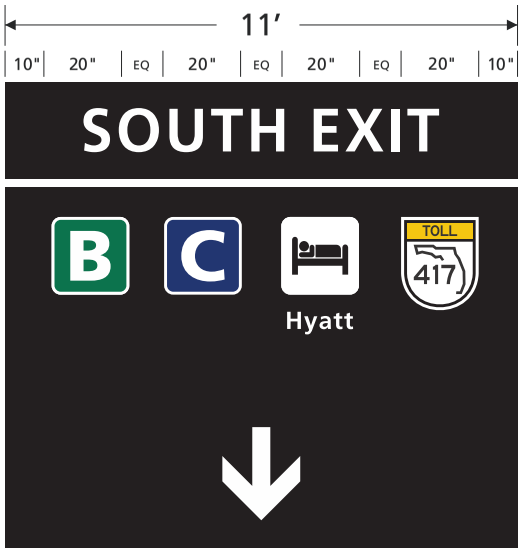
Drawing No.

01.140

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



58 Graphic View (sign 1)
Scale is 3/8″ = 1′



58 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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Overhead Roadway Sign Updates

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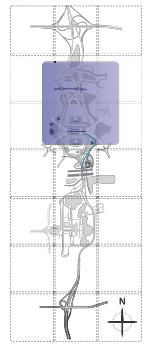


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

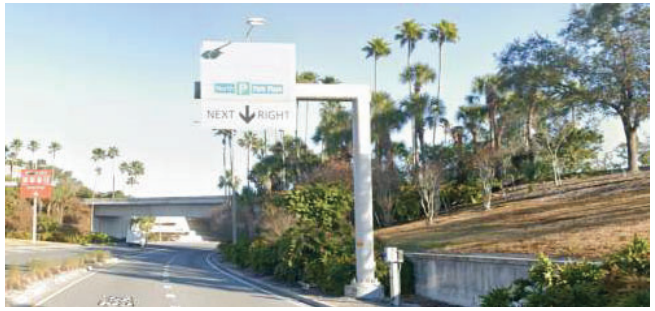
OT - LA.06

Drawing No.

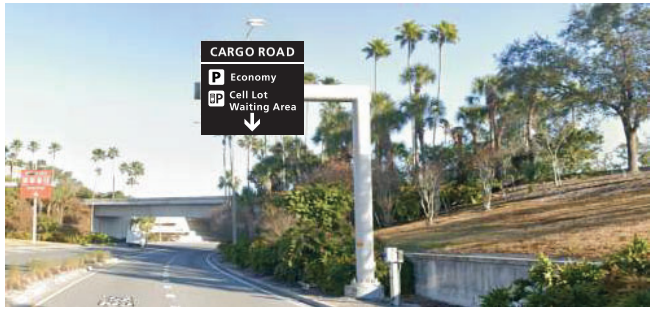
01.141

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 110
Proposed SQ footage = 110



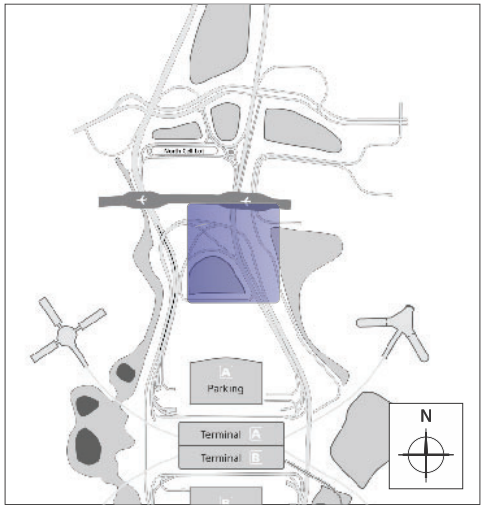
59 Existing Elevation View (NA.100)
Not to Scale



59 Elevation View (NA.100)
Not to Scale

General Location Area

59 Site View
Not to Scale



59 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

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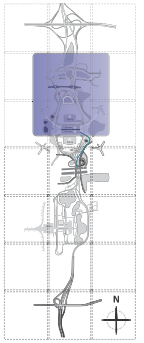
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

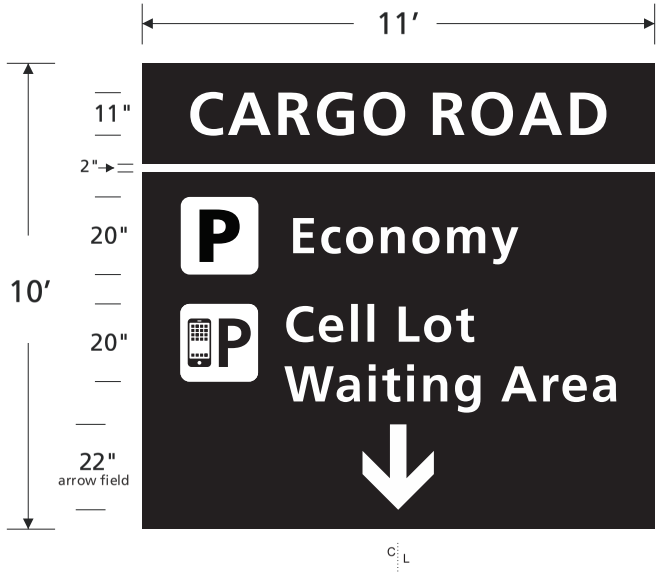
Drawing Title:

OC - NA.100

Drawing No.

01.142

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



59 Graphic View (sign 1)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
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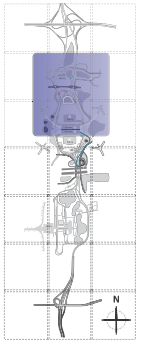
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NA.100

Drawing No.

01.143

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

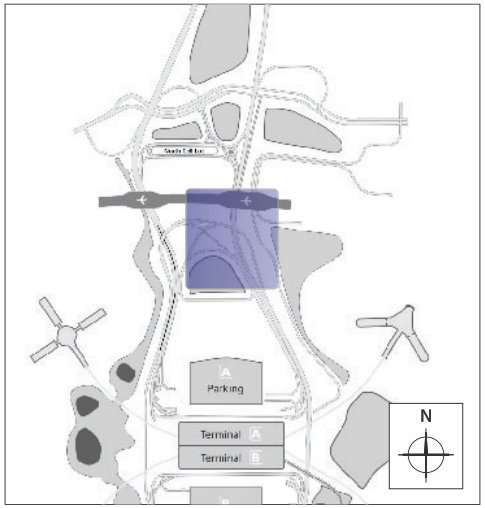
Existing SQ footage = 110
Proposed SQ footage = 110

60 Existing Elevation View (NA.105)
Not to Scale

60 Elevation View (NA.105)
Not to Scale

General Location Area

60 Site View
Not to Scale



60 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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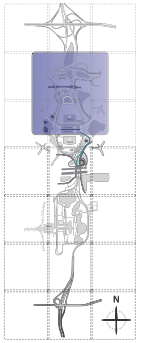


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

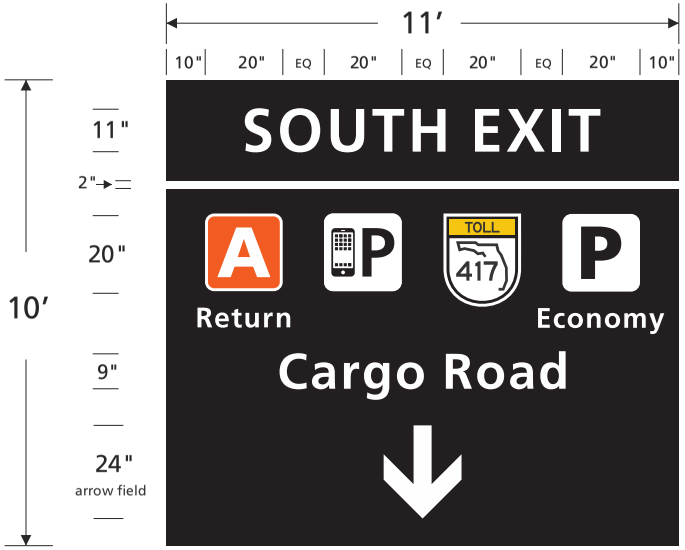
Drawing Title:

OC - NA.105

Drawing No.

01.144

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



60 Graphic View (sign 1)
Scale is 3/8" = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

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G-0050
Overhead Roadway Sign Updates

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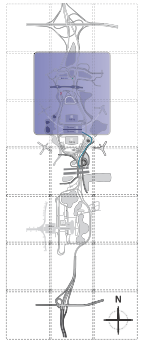


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NA.105

Drawing No.

01.146

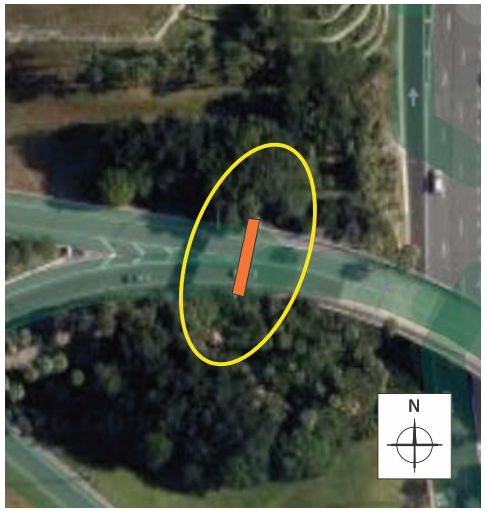
G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 320
Proposed SQ footage = 220

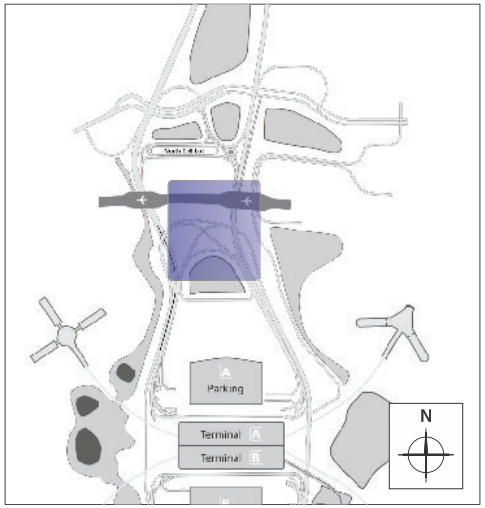
61 Existing Elevation View (LA.07)
Not to Scale

61 Elevation View (LA.07)
Not to Scale

General Location Area



61 Site View
Not to Scale



61 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Relocate sign lights and turn over extra light to GOAA
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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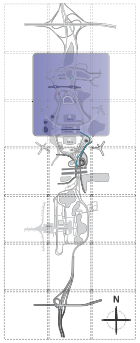
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

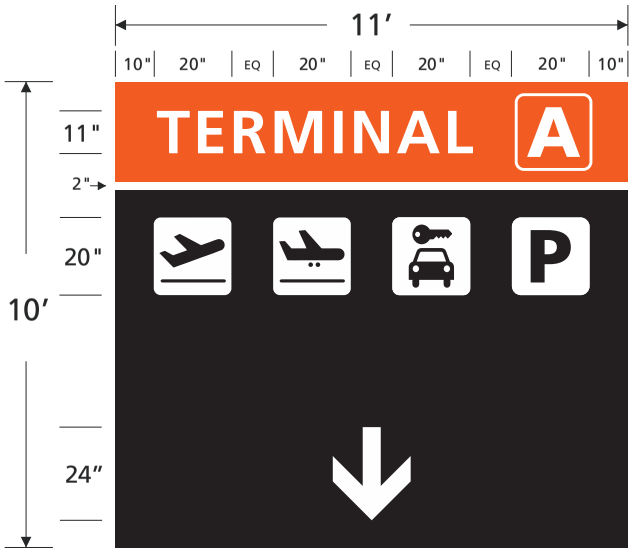
Drawing Title:

OT - LA.07

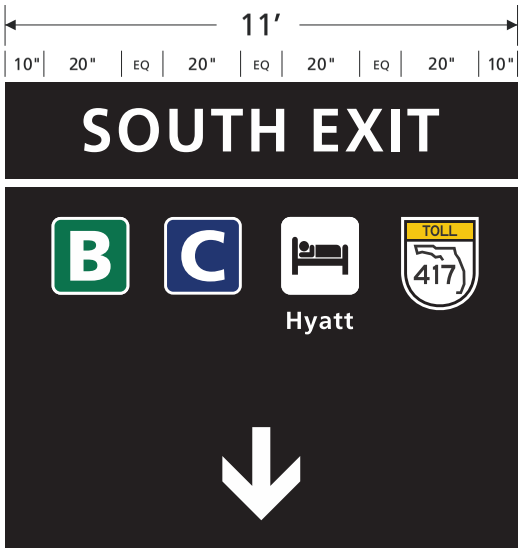
Drawing No.

01.146

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



61 Graphic View (sign 1)
Scale is 3/8″ = 1′



61 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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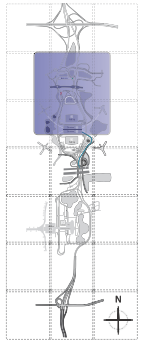
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

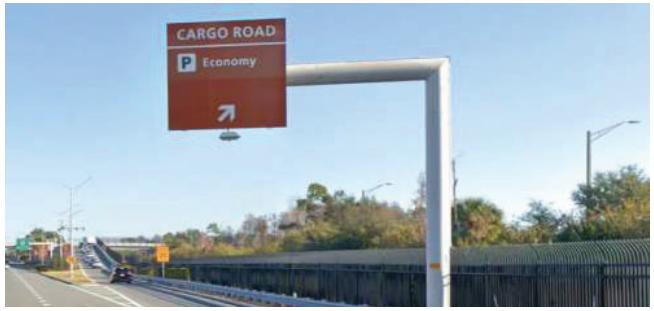
OT - NA.105

Drawing No.

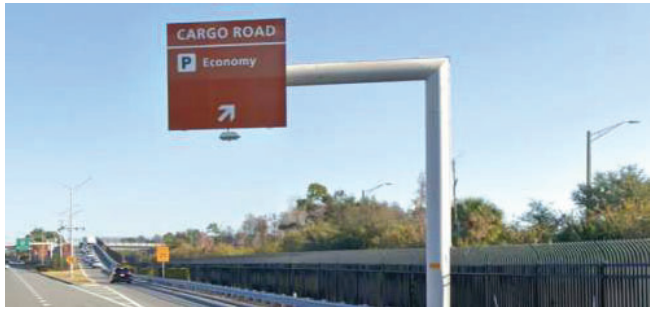
01.147

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 110
Proposed SQ footage = 110



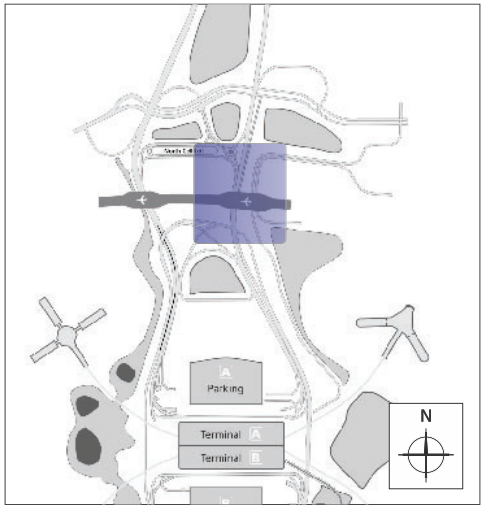
62 Existing Elevation View (NA.110)
Not to Scale



62 Elevation View (NA.110)
Not to Scale

General Location Area

62 Site View
Not to Scale



62 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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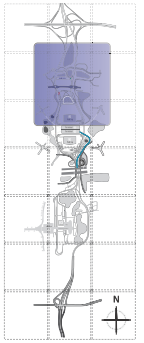
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NA.110

Drawing No.

01.148

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

62 Graphic View (sign 1)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

*Survey to confirm details prior to fabrication

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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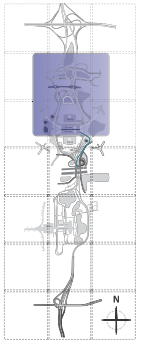


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OC - NA.110

Drawing No.

01.149

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

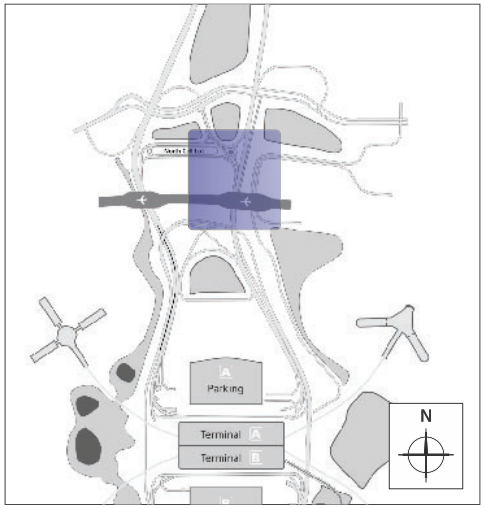
Existing SQ footage = 220
Proposed SQ footage = 220

63 Existing Elevation View (NA.120)
Not to Scale

63 Elevation View (NA.120)
Not to Scale

General Location Area

63 Site View
Not to Scale



63 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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100 E Pine St
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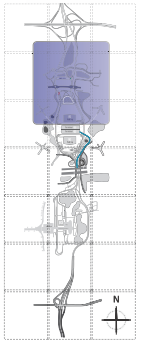
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

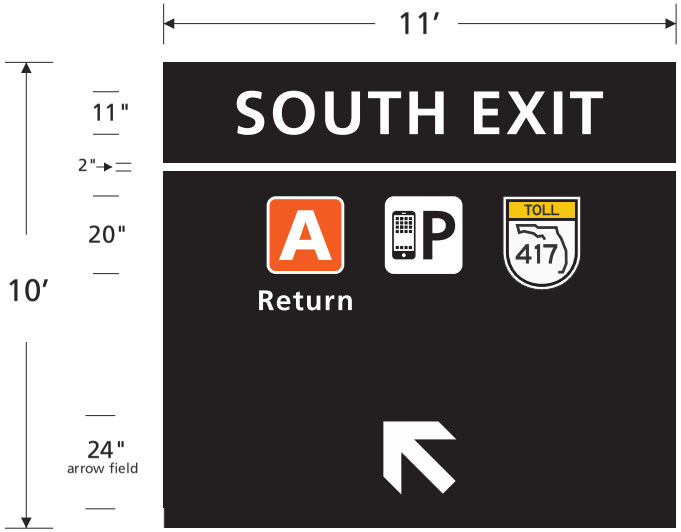
Drawing Title:

OC - NA.120

Drawing No.

01.150

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



63 Graphic View (sign 1)
Scale is 3/8″ = 1′

63 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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Overhead Roadway Sign Updates

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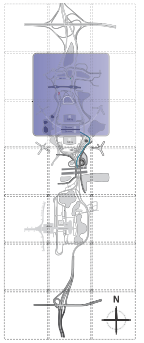


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT - NA.110

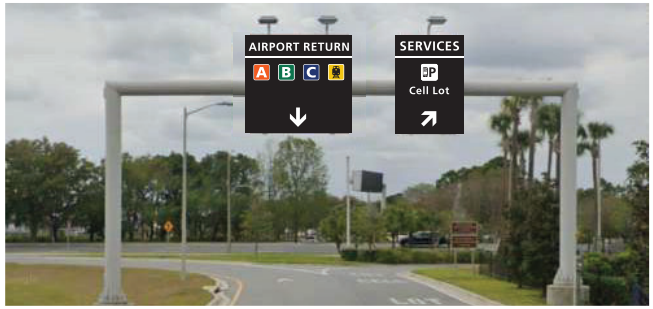
Drawing No.

01.151

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3

Existing SQ footage = 180
Proposed SQ footage = 180

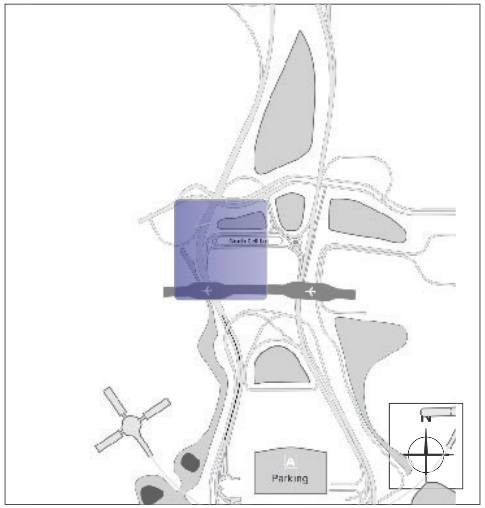
64 Existing Elevation View (LA.09)
Not to Scale



64 Elevation View (LA.09)
Not to Scale

General Location Area

64 Site View
Not to Scale



64 Location View
Not to Scale

Remove existing signs - if replacing
Remove existing sign overlays - if overlaying
Provide and install new signs or overlays
Attach signs and overlays per FDOT
Provide MOT as required per FDOT Index

Orlando International Airport

G-0050
Overhead Roadway Sign Updates

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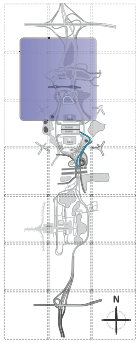
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

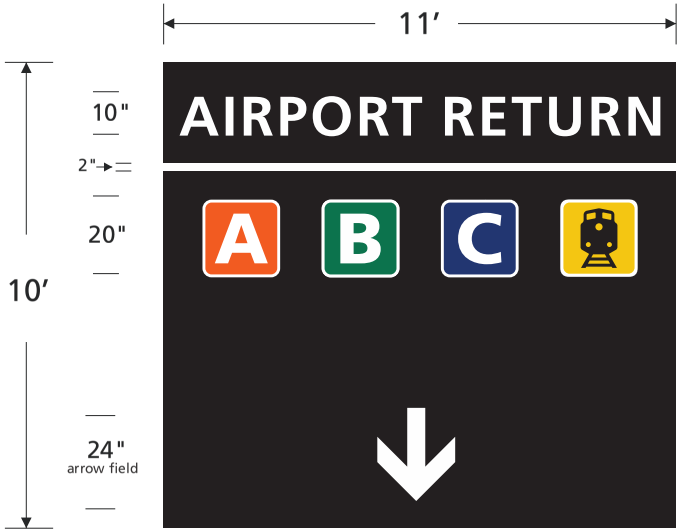
Drawing Title:

OT - LA.09

Drawing No.

01.152

G-0050 - Overhead Roadway Sign Updates D/B
Reference Documents - part 3



64 Graphic View (sign 1)
Scale is 3/8″ = 1′

64 Graphic View (sign 2)
Scale is 3/8″ = 1′

"Text" = Frutiger 65 (17% letter spacing - 122% word spacing)

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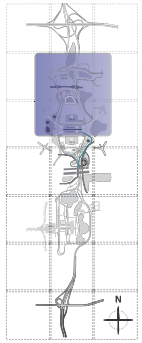


Revisions

No.	Date	Description

Project No.:	G-0050
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

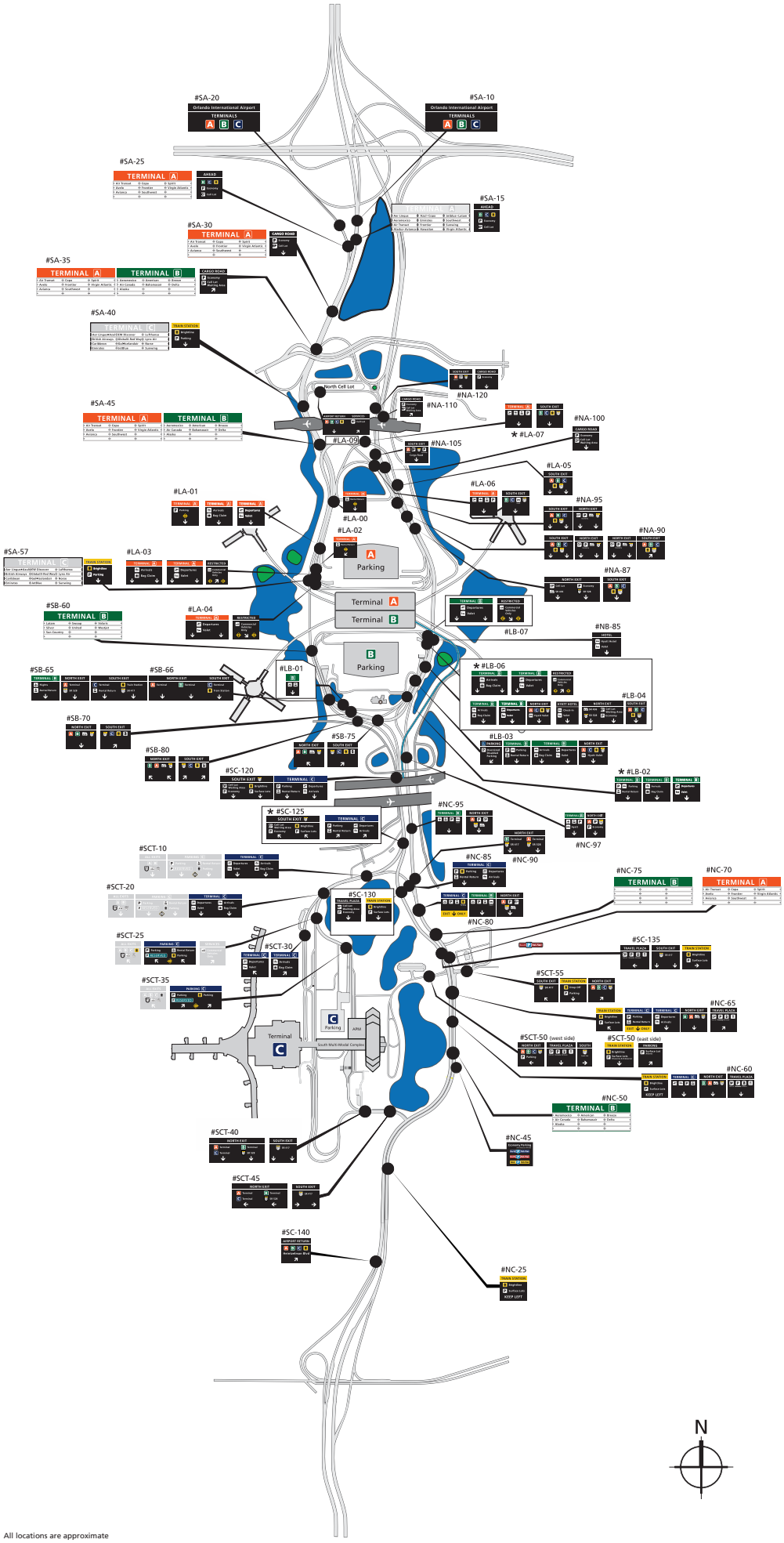
Drawing Title:

OT - LA.09

Drawing No.

01.153

● - Overhead Sign Location



All locations are approximate
Final airline names on Terminal Panels T.B.D.

Greater Orlando Aviation Authority

Published By: Ben Brow
Reviewed By: John Bayl

CCM HANDOUT 4/28/2026 Item III-D Revised Memo and Backup

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	H-00414, Under Train Station Parking Rehabilitation (D/B)	DATE:	4/28/26
CONTRACTOR:	The Middlesex Corporation		
A/E:	(D/B) C&S Engineers, Inc.		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Accelerated Design and Early Works. Provide labor, equipment and materials to compensate for early works which will include site mobilization, initial set up of maintenance of traffic, install erosion control measures, complete demolition of the existing gravel and subgrade to prepare for paving installation, and locate and survey all existing utilities within the site limits. This item will also include the Early Work Design (60%) phase for the project. The change order is the mechanism for the conversion of the allowance and procuring services as per the defined scope for the initial buyout.

ADD: $1,289,585.95

Item #2 – Allowance Reduction – Reduce the allowance by ($1,289,585.95) from $4,200,000 to $2,910,414.05 to cover the cost of the Item #1 above and adjust the allowance to account for the Accelerated Design and Early Works.

Deduct: ($1,289,585.95)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - The project is to establish an allowance to design and construct various scopes of work to support the 2026 Beautiful Airport Team initiative including paving the areas that are gravel along with lighting and signage under the train station, and other work as needed around the Intermodal Transit Facility (ITF). This item will allow for early start of construction prior to the completion of the project design. Although the outline of the project is currently known, the exact limits and layout have not yet been established. The most important facet of this approval will be to start the formal design effort. This item includes the complete of the 60% design submittal.

Item #2 – Allowance Reconciliation – This is for the buyout of the Allowance to cover the cost of Item #1. The balance of the allowance will be used for the construction phase.

SOURCE OF FUNDS: Operations & Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin #1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Greater Orlando Aviation Authority

Published By: Ben Brown
Reviewed By: John Bayley

Contractor's Original RCO Submission	$ 1,390,130.00		
GOAA/OAR Estimate	$ 1,202,489.20		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 112,932.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$** 0.00
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Ben Brown			PHONE: 4074667533

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		04/24/26	BS	Melvin Martinez

BULLETIN

PROJECT NO. & NAME:	H-00414 - Under Train Station Parking Rehabilitation	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	The Middlesex Corporation	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	Loyal Wingman	
REQUESTED BY:	GOAA	
PREPARED BY:	John Bayley, GOAA PM	
ISSUED BY:	John Bayley, GOAA PM	

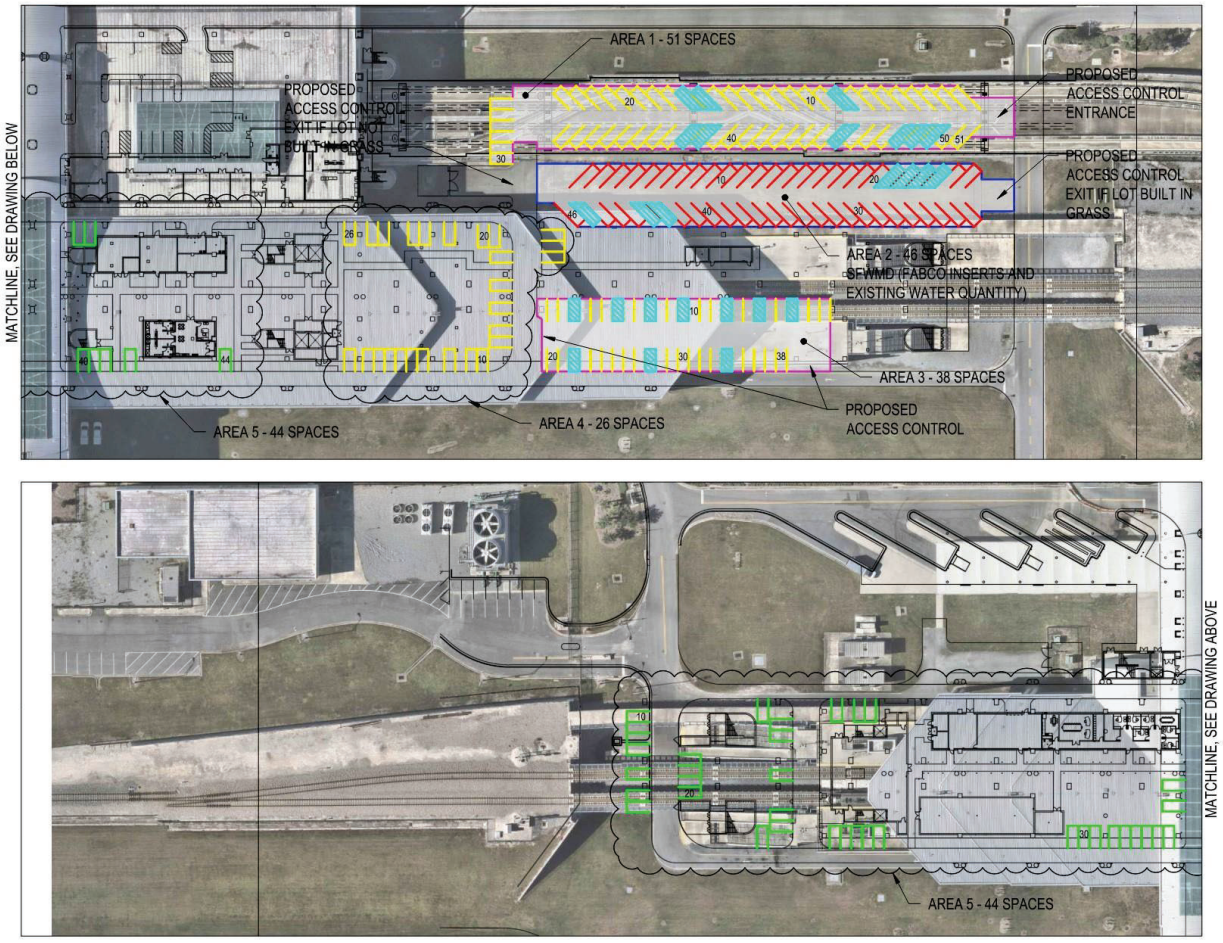
Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for the Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The scope of work provides labor, equipment, and materials to compensate for early works, which will include site mobilization, initial setup of maintenance of traffic, installation of erosion control measures, complete demolition of the existing gravel and subgrade to prepare for paving installation, and locate and survey all existing utilities within the site limits. This item will also include the Early Work Design phase for the project. 60 %, 95 %, and 100 % Design Submittals required. In addition, it is the contractor's responsibility to ensure that the design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. GOAA Parking Guidelines 5. Orange County Engineering Manual 6. Orange County Code, Chapter 38, Off-Street Parking and Loading Regulations 7. FDOT Standard Plans for Road Construction 8. FDOT Manual of Uniform Minimum Standards	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.

	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

☒ **ATTACHMENTS INCLUDED:**

Location Map of the Area with Limits Demarked.



C&S COMPANIES

Figure 01

PARKING
LAYOUT OPTION 01

- YELLOW SPACES - SHOULD WORK
- RED SPACES - SFWMD REQUIRED
- GREEN SPACES - UNKNOWN NEED TO VERIFY
- PARALLEL SPOTS WERE NOT EVALUATED

POTENTIAL ACCESS CONTROL SPACES:

AREA 1	51 SPACES
AREA 2	46 SPACES
AREA 3	38 SPACES
TOTAL:	***135 SPACES***

NO ACCESS CONTROL SPACES:

AREA 4:	26 SPACES
AREA 5:	44 SPACES
TOTAL:	***70 SPACES***

OVERALL TOTAL:
TOTAL: 205 SPACES

0 37.5 75
SCALE : 1" = 75'

MIDDLESEX CORPORATION

H-414 UNDER STATION PARKING

DATE: MARCH 1, 2026

Scope of Work Plan

John Bayley, PMP, C.M.
Project Manager, BHS
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, FL 32824

April 23, 2026

Re: GOAA H-414 Under Train Station Parking Rehabilitation Design/Build RCO #001 - Accelerated Design and Early Works Package Pricing

Dear Mr. Bayley,

The Middlesex Corporation (TMC) respectfully submits the following detailed pricing proposal for the Accelerated Design and Early Works Package for the design and construction of approximately 150 parking spaces beneath the South APM Train Station at Orlando International Airport (MCO).

This submission is intended to support fast-track execution and schedule acceleration by enabling concurrent design and construction activities. The total lump sum proposal for the Accelerated Early Works Design and Early Works Construction is ~~**$1,290,079.25**~~ $1,289,585.95. Attached is a detailed breakdown of the pricing with supporting documentation. A Schedule of Values (SOV) will be finalized after the Change Order is executed. The scope covered by this proposal is as follows:

Accelerated Early Works Design Package

- Survey verification
- Concept grading & drainage plans
- Early release civil drawings (60–80%)
- Utility conflict review
- City of Orlando Electrical Permit initiation
- Constructability review

Early Works Construction

- Mobilization
- Maintenance of Traffic (MOT)
- Installation and maintenance of erosion and sediment control measures in accordance with permitting requirements
- Clearing & grubbing
- Selective demolition of existing asphalt pavement and curb
- Rough grading and subgrade preparation, including proof rolling and compaction as required

Qualifications

- No hazardous material removal or unforeseen subsurface conditions are included
- Cleared and grubbed stone and base material/dirt is estimated to be hauled to a location on GOAA property within 10 miles of the project site
- Cleared and grubbed stone will not be clean; it will be mixed with dirt and filter fabric
- The estimated number of parking spaces (150) is based on a preliminary assessment. A detailed evaluation is needed to finalize the number of parking spaces
- This pricing excludes utility relocations, which will be evaluated upon completion of detailed design and field verifications

Please feel free to reach out to me with any questions regarding this proposal.

Sincerely,

THE MIDDLESEX CORPORATION

Peter Donkor
Sr. Project Manager

Cc. Neil Mulrooney – Sr. VP of Construction
Cary Strzepek – VP of Construction Southeast
Jake Shumway – Project Manager

CHANGE ORDER ESTIMATED COST SUMMARY

TMC Project #:	2129	*Estimator:*	P.D.
Contract #:	H-414	Estimate #:	1
Financial Project #:	N/A	Revision #:	0
Contract Description:	Under Train Station Parking Rehabilitation Design/Build	Date:	4/23/2026
Owner:	GOAA		

Brief Scope of Work: H-414 Under Train Station Parking Rehabilitation Design/Build

Does this Change affect the Contract Time? **If so, number of days (+/-):**

WORK DESCRIPTION			LABOR	MATERIAL	EQUIP.	SUBS	OTHER	SUBTOTAL
Summary By Discipline from Details Page:			$ 505,357.30	~~$ 8,306.08~~ $6,745.08	~~$ 410,634.20~~ $412,170.20	$ 240,865.43	$ 4,783.37	~~$ 1,169,946.39~~ $1,169,921.39
Markups:								
Direct Labor		10.0%	$ 50,535.73					$ 50,535.73
Materials		6.0%		~~$ 498.36~~ $404.70			$ 287.00	~~$ 498.36~~ $691.71
Equipment		10.0%			~~$ 41,063.42~~ $41,217.02			~~$ 41,063.42~~ $41,217.02
Subcontracts		6.0%				$ 14,451.93		$ 14,451.93
Sales Tax	$25	6.0%		~~$ 523.36~~ $0.00				~~$ 523.36~~ $0.00
SUBTOTALS:			**$ 555,893.03**	~~**$ 9,327.80**~~ $7,149.78	~~**$ 451,697.62**~~ $453,387.22	**$ 255,317.36**	**$ 5,070.37**	~~**$ 1,277,306.19**~~ $1,276,817.77

UNIT PRICE ADJUSTMENTS	Quantity	Unit Measure	Unit Price	SUBTOTAL
Pay Item:				$ -
None				$ -
SUBTOTAL:				$ -

UNIT PRICE ADJUSTMENTS			SUBTOTALS
	Estimate Subtotal		~~$ 1,277,306.19~~ $1,276,817.77
	Unit Price Subtotal		$ -
	Insurance & Bond	1.0%	~~$ 12,773.06~~ $12,768.18
TOTAL PROPOSAL COST:			~~**$1,290,079.25**~~ $1,289,585.95

THE MIDDLESEX CORPORATION

Peter Donkor
Sr. Project Manager

CHANGE ORDER ESTIMATE DETAILS

Description: H-414 Under Train Station Parking Rehabilitation Design/Build

TMC Project #: 2129
Date: 04/23/26
Estimator: P.D.
Estimate #: 1
Revision #: 0

Type	#	DESCRIPTION	QTY	UM	UNIT PRICE	LABOR	"L"	MATERIAL	"M"	EQUIP	"E"	SUB	"S"	OTHER	"O"	TOTAL
		Accelerated Early Works Design Package														
S	1	Accelerated Early Works Design Package (C&S)	1.0	LS	$ 122,184.00	$ -		$ -		$ -		$ 122,184.00		$ -		**$ 122,184.00**
L	1	Survey - Crew	120.0	HR	$ 216.01	$ 25,921.20		$ -		$ -		$ -		$ -		**$ 25,921.20**
		Mobilization														
L	1	Crew Leader	50.0	HR	$ 74.10	$ 3,705.00		$ -		$ -		$ -		$ -		**$ 3,705.00**
L	2	Laborer - Skilled	50.0	HR	$ 35.06	$ 3,506.00		$ -		$ -		$ -		$ -		**$ 3,506.00**
L	1	Truck Driver	50.0	HR	$ 42.30	$ 2,115.00		$ -		$ -		$ -		$ -		**$ 2,115.00**
E	1	Truck - Combined - Low Bed w/ Tractor	50.0	HR	$ 93.91	$ -		$ -		$ 4,695.50		$ -		$ -		**$ 4,695.50**
		Maintenance of Traffic (MOT) - Initial Setup and Maintenance for Project Duration												$ -		
L	1	Crew Leader	50.0	HR	$ 74.10	$ 3,705.00		$ -		$ -		$ -		$ -		**$ 3,705.00**
L	3	Laborer - Skilled	176.0	HR	$ 35.06	$ 18,511.68		$ -		$ -		$ -		$ -		**$ 18,511.68**
E	1	Truck - 1/2 Ton	50.0	HR	$ 17.69	$ -		$ -		$ 884.50		$ -		$ -		**$ 884.50**
E	1	Truck - 3/4 Ton	176.0	HR	$ 25.22	$ -		$ -		$ 4,438.72		$ -		$ -		**$ 4,438.72**
E	1	Sweeper - Broom	176.0	HR	$ 88.43	$ -		$ -		$ 15,563.68		$ -		$ -		**$ 15,563.68**
M	1	Bob's Barricades - Rental Devices	1.0	LS	$ 1,536.00	$ -		$ ~~1,536.00~~		$ $1,536.00		$ -		$ -		**$ 1,536.00**
														$ -		
		Erosion and Sediment Control												$ -		
L	1	Crew Leader	100.0	HR	$ 74.10	$ 7,410.00		$ -		$ -		$ -		$ -		**$ 7,410.00**
L	6	Laborer - Skilled	100.0	HR	$ 35.06	$ 21,036.00		$ -		$ -		$ -		$ -		**$ 21,036.00**
M	1	Material - R.H. Moore	1.0	LS	$ ~~6,770.08~~ $6,745.08	$ -		$ 6,770.08 $6,745.08		$ -		$ -		$ -		**$ ~~6,770.08~~ $6,745.08**
		Site Demo, Rough Grading & Subgrade Preparation												$ -		
L	2	Crew Leader	480.0	HR	$ 74.10	$ 71,136.00		$ -		$ -		$ -		$ -		**$ 71,136.00**
L	6	Laborer - Skilled	480.0	HR	$ 35.06	$ 100,972.80		$ -		$ -		$ -		$ -		**$ 100,972.80**
L	2	Truck Driver	480.0	HR	$ 42.30	$ 40,608.00		$ -		$ -		$ -		$ -		**$ 40,608.00**
L	2	Oper - Excavator	480.0	HR	$ 47.29	$ 45,398.40		$ -		$ -		$ -		$ -		**$ 45,398.40**
L	1	Oper - Dozer	480.0	HR	$ 47.29	$ 22,699.20		$ -		$ -		$ -		$ -		**$ 22,699.20**
L	2	Oper - Loader	480.0	HR	$ 43.29	$ 41,558.40		$ -		$ -		$ -		$ -		**$ 41,558.40**
L	1	Oper - Roller	480.0	HR	$ 37.23	$ 17,870.40		$ -		$ -		$ -		$ -		**$ 17,870.40**
E	2	Excavator - CAT 305 - Mini	480.0	HR	$ 61.49	$ -		$ -		$ 59,030.40		$ -		$ -		**$ 59,030.40**
E	1	Dozer - CAT (D3) 74 hp	480.0	HR	$ 102.93	$ -		$ -		$ 49,406.40		$ -		$ -		**$ 49,406.40**
E	2	Loader - CAT 950 4-5 CY	480.0	HR	$ 66.88	$ -		$ -		$ 64,204.80		$ -		$ -		**$ 64,204.80**
E	2	Skidsteer - Loader Lift Capacity - 3175 lbs	480.0	HR	$ 58.73	$ -		$ -		$ 56,380.80		$ -		$ -		**$ 56,380.80**
E	1	Roller - Vibratory Compactor 66"	480.0	HR	$ 114.70	$ -		$ -		$ 55,056.00		$ -		$ -		**$ 55,056.00**
E	2	Truck - 1/2 Ton	480.0	HR	$ 17.69	$ -		$ -		$ 16,982.40		$ -		$ -		**$ 16,982.40**
E	1	Truck - Water Tanker	480.0	HR	$ 56.58	$ -		$ -		$ 27,158.40		$ -		$ -		**$ 27,158.40**
E	1	Truck - Tri-Axle Dump - 400 HP	481.0	HR	$ 88.38	$ -		$ -		$ 42,510.78		$ -		$ -		**$ 42,510.78**
S	1	Vac Truck - Badger	1.0	LS	71,881.43	$ -		$ -		$ -		$ 71,881.43		$ -		**$ 71,881.43**
S	1	Saw Cutting - Speedy Concrete	1.0	LS	14,175.00	$ -		$ -		$ -		$ 14,175.00		$ -		**$ 14,175.00**
S	1	Sunrise Hauling	1.0	LS	$ 32,625.00	$ -		$ -		$ -		$ 32,625.00		$ -		**$ 32,625.00**
		Site Management, Constructability Review and GC's														
L	1	Project Manager	352.0	HR	$ 98.47	$ 34,661.44		$ -		$ -		$ -		$ -		**$ 34,661.44**
L	1	Superintendent	352.0	HR	$ 95.48	$ 33,608.96		$ -		$ -		$ -		$ -		**$ 33,608.96**
L	1	Site Safety Manager	105.6	HR	$ 103.54	$ 10,933.82		$ -		$ -		$ -		$ -		**$ 10,933.82**
E	1	Truck - 1/2 Ton	809.6	HR	$ 17.69	$ -		$ -		$ 14,321.82		$ -		$ -		**$ 14,321.82**
O	1	Field Office Costs	0.67	MNTH	$ 7,139.36	$ -		$ -		$ -		$ -		$ 4,783.37		**$ 4,783.37**
								$6,745.08		$412,170.20						$1,169,921.39
						$ 505,357.30		**$ ~~8,306.08~~**		**$ ~~410,634.20~~**		**$ 240,865.43**		**$ 4,783.37**		**$ ~~1,169,946.39~~**

SENT VIA EMAIL ONLY

March 25, 2026

The Middlesex Corporation
Peter Donkor | Senior Project Manager
10801 Cosmonaut Blvd.
Orlando, FL 32824

Re: Orlando International Airport
H-00414, Under Train Station Parking Rehabilitation (D/B)
Design and Construction Administration Phase Services

C&S File: L94.MKT.PRO

Dear Mr. Donker:

C&S Companies appreciates the opportunity to submit the attached proposal for the Design and Construction Administration Phase Services for the above referenced project. Our team is prepared to start on this fast-paced project when we win it. It is our understanding that we will not start prior to a contract and formal board approval.

The Basic Services described herein shall be completed and be submitted based on the schedule in Schedule A which is included in Attachment No. 01. If you should request any modifications or changes to the general scope or extent of the Project, the time allowed for performance of our services will be adjusted equitably.

In exchange for performance of our design and construction phase services, you agree to pay us for Basic Services a Lump Sum fee for these services per the following tasks:

Accelerated Early Works Design Package	$	122,184.00
Final Design	$	103,374.00
Construction Services	$	67,916.00
C&S Total	**$**	**293,474.00**

RCO#001 submitted by Middlesex is for the Accelerated Early Works Design only

In discussion with Middlesex, they will provide any survey that is required.

Our team is prepared to meet this accelerated schedule and bring another successful project to GOAA from both C&S and Middlesex.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

C&S ENGINEERS, INC.

Douglas R. Saunders, P.E., dsaunders@cscos.com
Department Manager

encl:

cc: Jake Shumway, Cary Strzepek

ATTACHMENT NO. 01 - Schedule A – Scope of Work

SCOPE OF WORK
H-00414, Under Train Station Parking Rehabilitation (D/B)
March 25, 2026

Airport Name: **Orlando International Airport**
Services Provided: **Design and Construction Administration**

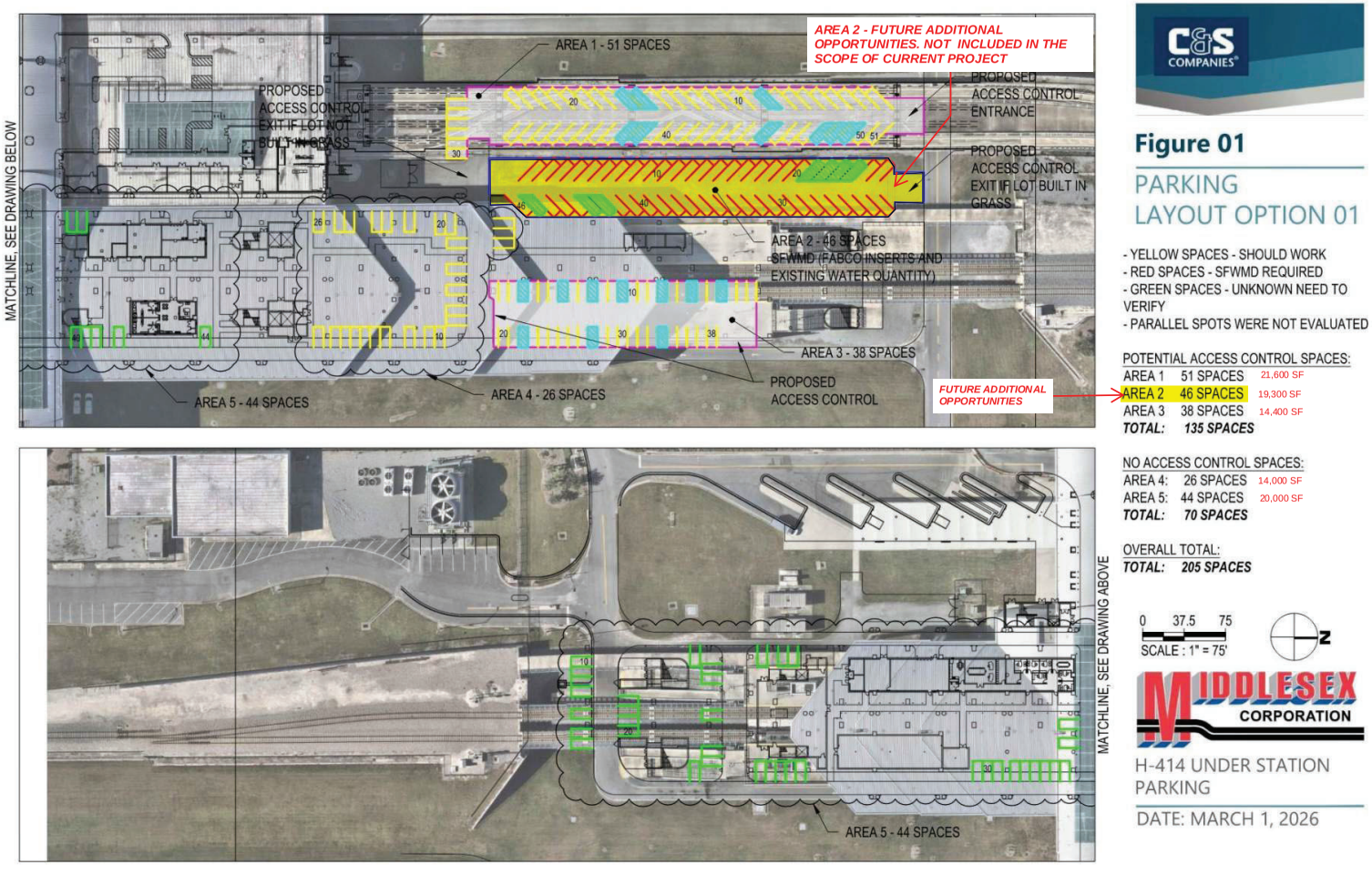
Project Description:
The CONSULTANT shall provide required services to design the H-00414, Under Train Station Parking Rehabilitation (D/B) at MCO project (the "Project").

The project entails the following:

- Construction of approximately 200 space parking lot broken up in multiple areas
  - It is assumed the parking lots / spaces will be paved with asphalt.
- Installation of GOAA Employee access control system.
  - Assume two entrances and two exits for design.
- Maintenance and Protection of Traffic
- Striping
- It is assumed that landscaping will be completed by using the existing stone on the project site as needed. No additional sod, plantings or irrigation are required.
- Installation of cameras
- Installation of electrical lighting as needed
  - It is assumed that Sesco will perform lighting analysis
- Installation of 5-foot high perimeter fence around the access controlled areas.
- Submission to SFWMD is NOT Included.
- See attached scope of work plan
- Assumptions used in preparation of this proposal are included on the last page.

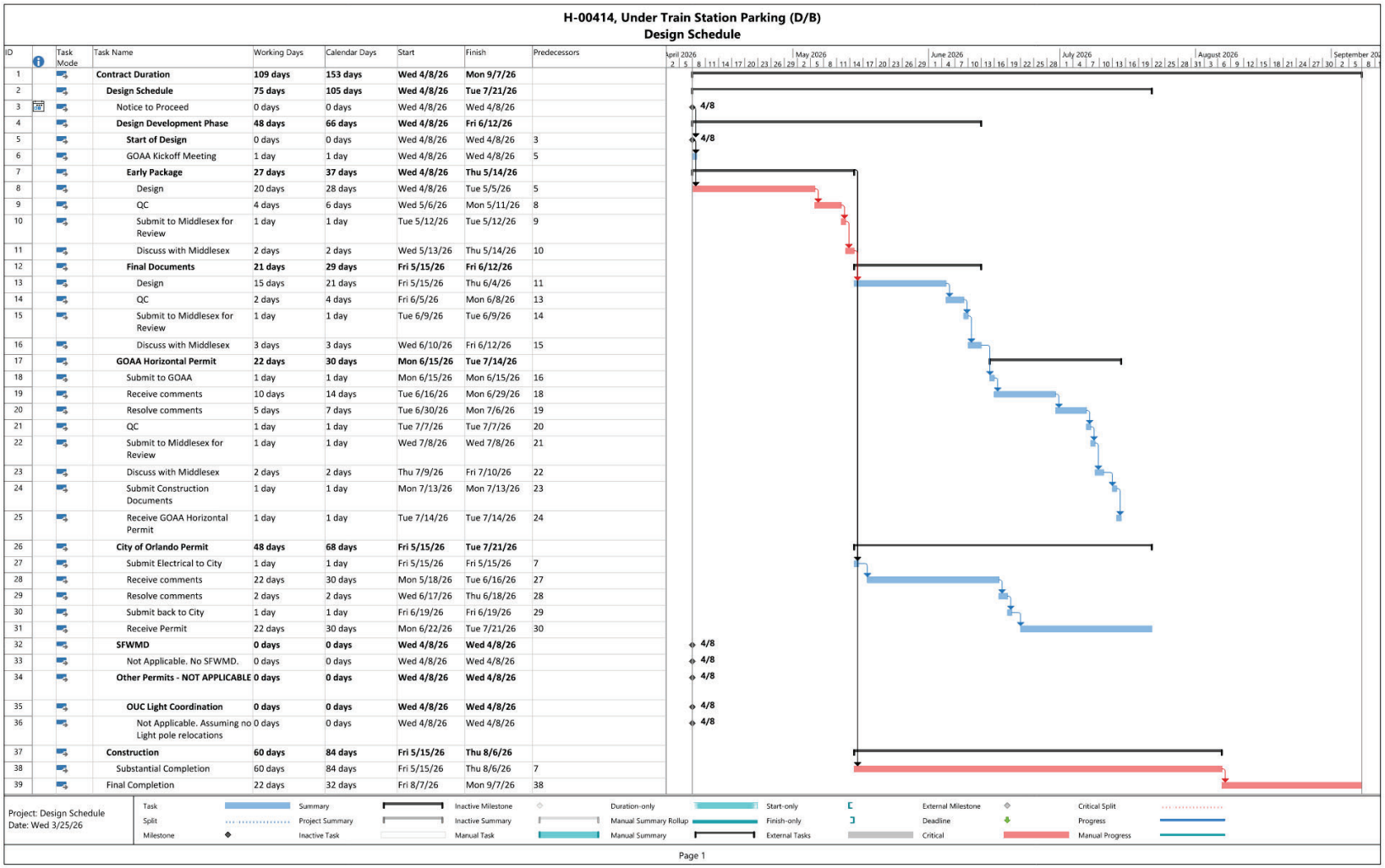
Services to be provided by the CONSULTANT shall include civil engineering services, as applicable, required to accomplish the following items ("Basic Services"):

The design schedule is shown on the following pages but will be adjusted to follow Middlesex and GOAA standards requirements.



Scope of Work Plan

SCOPE OF WORK
H-00414, Under Train Station Parking Rehabilitation (D/B)
March 25, 2026



ID	Task Mode	Task Name	Working Days	Calendar Days	Start	Finish	Predecessors
1		**Contract Duration**	**109 days**	**153 days**	**Wed 4/8/26**	**Mon 9/7/26**	
2		**Design Schedule**	**75 days**	**105 days**	**Wed 4/8/26**	**Tue 7/21/26**	
3		Notice to Proceed	0 days	0 days	Wed 4/8/26	Wed 4/8/26	
4		**Design Development Phase**	**48 days**	**66 days**	**Wed 4/8/26**	**Fri 6/12/26**	
5		**Start of Design**	0 days	0 days	Wed 4/8/26	Wed 4/8/26	3
6		GOAA Kickoff Meeting	1 day	1 day	Wed 4/8/26	Wed 4/8/26	5
7		**Early Package**	**27 days**	**37 days**	**Wed 4/8/26**	**Thu 5/14/26**	
8		Design	20 days	28 days	Wed 4/8/26	Tue 5/5/26	5
9		QC	4 days	6 days	Wed 5/6/26	Mon 5/11/26	8
10		Submit to Middlesex for Review	1 day	1 day	Tue 5/12/26	Tue 5/12/26	9
11		Discuss with Middlesex	2 days	2 days	Wed 5/13/26	Thu 5/14/26	10
12		**Final Documents**	**21 days**	**29 days**	**Fri 5/15/26**	**Fri 6/12/26**	
13		Design	15 days	21 days	Fri 5/15/26	Thu 6/4/26	11
14		QC	2 days	4 days	Fri 6/5/26	Mon 6/8/26	13
15		Submit to Middlesex for Review	1 day	1 day	Tue 6/9/26	Tue 6/9/26	14
16		Discuss with Middlesex	3 days	3 days	Wed 6/10/26	Fri 6/12/26	15
17		**GOAA Horizontal Permit**	**22 days**	**30 days**	**Mon 6/15/26**	**Tue 7/14/26**	
18		Submit to GOAA	1 day	1 day	Mon 6/15/26	Mon 6/15/26	16
19		Receive comments	10 days	14 days	Tue 6/16/26	Mon 6/29/26	18
20		Resolve comments	5 days	7 days	Tue 6/30/26	Mon 7/6/26	19
21		QC	1 day	1 day	Tue 7/7/26	Tue 7/7/26	20
22		Submit to Middlesex for Review	1 day	1 day	Wed 7/8/26	Wed 7/8/26	21
23		Discuss with Middlesex	2 days	2 days	Thu 7/9/26	Fri 7/10/26	22
24		Submit Construction Documents	1 day	1 day	Mon 7/13/26	Mon 7/13/26	23
25		Receive GOAA Horizontal Permit	1 day	1 day	Tue 7/14/26	Tue 7/14/26	24
26		**City of Orlando Permit**	**48 days**	**68 days**	**Fri 5/15/26**	**Tue 7/21/26**	
27		Submit Electrical to City	1 day	1 day	Fri 5/15/26	Fri 5/15/26	7
28		Receive comments	22 days	30 days	Mon 5/18/26	Tue 6/16/26	27
29		Resolve comments	2 days	2 days	Wed 6/17/26	Thu 6/18/26	28
30		Submit back to City	1 day	1 day	Fri 6/19/26	Fri 6/19/26	29
31		Receive Permit	22 days	30 days	Mon 6/22/26	Tue 7/21/26	30
32		**SFWMD**	**0 days**	**0 days**	**Wed 4/8/26**	**Wed 4/8/26**	
33		Not Applicable. No SFWMD.	0 days	0 days	Wed 4/8/26	Wed 4/8/26	
34		**Other Permits - NOT APPLICABLE**	**0 days**	**0 days**	**Wed 4/8/26**	**Wed 4/8/26**	
35		**OUC Light Coordination**	**0 days**	**0 days**	**Wed 4/8/26**	**Wed 4/8/26**	
36		Not Applicable. Assuming no Light pole relocations	0 days	0 days	Wed 4/8/26	Wed 4/8/26	
37		**Construction**	**60 days**	**84 days**	**Fri 5/15/26**	**Thu 8/6/26**	
38		Substantial Completion	60 days	84 days	Fri 5/15/26	Thu 8/6/26	7
39		Final Completion	22 days	32 days	Fri 8/7/26	Mon 9/7/26	38

DESIGN DEVELOPMENT PHASE (80%)

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Acquire and review record documents (such as plans, specifications, reports, and studies) to become familiar with data that is available for the Project.
6. Perform a preliminary Project site inspection to further familiarize the design team with Project areas.
7. Prepare preliminary plans identifying required topographic field surveys, subsurface soils investigations, and other field investigative programs.
8. Acquire the necessary topographic survey of and utility data for the Project site, including related office computations and drafting.
    a. Our team has included a placeholder of $20,000 for this item.
9. An existing basemap will be developed in CAD from all as-built information including any information provided by the surveyor.
10. Conduct site inspections to verify project-related existing physical features and facilities.
11. Develop horizontal pavement geometrical layouts and place sufficient information on drawings to layout proposed parking lot
12. Develop preliminary three-dimensional design in order to develop pavement centerline profiles, typical sections, and other grading details for the proposed work.
13. Develop pavement design for the parking lot.
14. Develop preliminary drainage designs, including computation of surface water runoff volumes, and layout facilities necessary to accommodate expected flows.
15. SFWMD is NOT required.
16. SFWMD is NOT required.
17. Develop fence or other type of barrier layout.
18. Develop electrical design concept in order to power the equipment.
19. Develop lighting details and coordinate with Sesco.

20. Develop fiber design concept to feed the equipment.
21. Develop details for the equipment required in the parking lots for both power and fiber.
22. Develop preliminary parking lot layout.
23. Develop preliminary signage layout.
24. Develop a maintenance and protection of traffic plan that limits interference with the travelling public.
25. Prepare preliminary Contract Drawings (approximately 80% complete) providing sufficient detail for review of design concepts by GOAA. Drawings on 30" x 42" Paper. It is anticipated that the drawings will consist of the following sheets:

Approx. Number of Sheets	Name
1	Cover Sheet
1	Sheet Index and General Notes
1	Legend and Abbreviations
1	Overall Site and Survey Control Plan and Key map
3	Existing Conditions Plan
3	Demolition Plan
1	Demolition Details
3	Grading Plan
3	Geometry Plan
2	Entrance and Exit Lane Details
1	Typical Sections
1	Geometry Point Tables
3	Erosion Control Plan
1	Erosion Control Details
3	Drainage Plan
4	Drainage Details
3	Signage and Marking Plans
2	Signage and Marking Details
5	Maintenance and Protection of Traffic Plans
1	Airspace Critical Locations Plan
2	Maintenance and Protection of Traffic Details
3	Lighting and Power Plan
1	Enlarged Electrical Plan
1	Panel Schedules
2	Lighting and Power Details
3	Low Voltage Technology Plan
2	Technology Enlarged Views

1	Low Voltage Technology Details
1	Network Topology Diagram
1	Low Voltage Responsibility Matrix
60	**Total Sheets**

26. Develop Division 1 documents.
27. Develop technical specifications expected to be required for the proposed work using FAA, FDOT and other sources.
28. Perform an internal quality control review on all design documents.
29. Submit sufficient copies of design development documents to GOAA for their review and comment.
30. Schedule and conduct a design development review meeting to discuss and resolve GOAA comments.
31. Provide written responses to all comments received.

CONSTRUCTION DOCUMENTS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Finalize three-dimensional design in order to finalize pavement centerline profiles, typical sections, and other grading details for the proposed work.
6. Finalize pavement designs.
7. Detail and finalize pavement details, rehabilitation details and pavement sections.
8. Finalize drainage designs and layouts and detail pipe and drainage structure installations.
9. SFWMD is NOT required.
10. Finalize fence or other type of barrier layout.
11. Finalize electrical design concept to power the equipment.
12. Finalize lighting details and coordinate with Sesco.

13. Finalize fiber design concept to feed the equipment.
14. Finalize details for the equipment required in the parking lots for both power and fiber.
15. Finalize preliminary parking lot layout.
16. Finalize preliminary signage layout.
17. Prepare final Contract Drawings on 30" x 42" paper.
18. Finalize Division 1 documents.
19. Finalize written Technical Specifications for all construction materials and installations.
20. Provide documents for GOAA to submit both the construction safety phasing plan and 7460 form electronically to the FAA.
21. Perform final internal quality control review on all design documents.
22. Submit draft final documents to GOAA, FAA and FDOT for final review and comment.
23. Schedule and conduct draft final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
24. Provide written responses to all comments received.
25. Incorporate all draft final review comments into the 100% plans.
26. Schedule and conduct final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
27. Deliver 100% plans to GOAA Engineering department to obtain their approval and stamp.
28. Obtain comments from GOAA Horizontal permit review.
29. Address comments received from GOAA Horizontal permit review.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Design Development Phase (80%)
    i. Pre-design meeting with GOAA / Middlesex
    ii. Weekly coordination meetings with Middlesex
    iii. Technical Review Team (GOAA) (TRT) review meeting
2. Construction Documents
    i. Weekly coordination meetings with Middlesex
    ii. General meeting to discuss phasing and other project elements with GOAA, tenants, and other stakeholders.
    iii. TRT review meeting – draft final
    iv. TRT review meeting - final

CONSTRUCTION ADMINISTRATION AND RECORD DRAWINGS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Provide Middlesex monthly project status reports.
3. Attend the Pre-Construction Conference meeting conducted by the Owner prior to the start of construction activities.
4. Attend the Owner's Job Coordination Meeting (JCM) meetings during the term of the construction contract. These meetings are planned to be held every week. It is assumed that there will be fifteen (15) JCM Meetings.
5. Make visits to the site at intervals appropriate to the various stages of construction to observe.
    a. It is assumed that site visits shall occur on the same day as the JCM meetings listed above.
6. Review and take other appropriate action in respect of Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept for the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.
7. Review requests for information and field changes.
8. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, but subject to the provisions of the Contract Documents.
9. Conduct a final inspection to determine if the completed Work of the Contractor is acceptable.
10. Prepare the Record Documents based upon the As-Built Drawings and Documents received from the contractor.
11. Review all Close-out Documents and Manuals for conformance with the Contract Documents.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Pre-Construction Conference Meeting – 1 meeting
2. JCM Meeting – 15 meetings

3. Site Visits – Concurrent with the JCM Meetings above.
4. Pre-Final Inspection – 1 meeting
5. Final Inspection – 1 meeting

ASSUMPTIONS:
The conditions or considerations in developing the scope and fee for the project described above include:

1. Topographic survey is included in this proposal with a $20,000 placeholder
2. No geotechnical investigation is included in this proposal.
3. No right-of-way or other deed research is included in this proposal.
4. The placement of boundary monumentation is not required.
5. GOAA will supply any deeds, maps, recorded and unrecorded information and an up-to-date abstract of title that will assist in the progress of this project.
6. Soil sampling for contaminants will not be required for this project.
7. It is assumed that existing documentation for the area of work exists and will be provided to C&S upon award of the project.
8. Permitting through the City of Orlando and South Florida Water Management District will be required.

EXCLUSIONS / ADDITIONAL SERVICES

1. Environmental review, NEPA and state, including the collection and review of available documents such as published wetland maps, soil conservation survey maps, and previous master plan and environmental archaeological studies, to identify potential impacts the Project may have on the environment.
2. NEPA or any other environmental compliance reports, studies, and environmental reviews, state or federal.
3. Underground utility locating (soft digs, potholing, etc.)
4. Underground utility inspections using a video camera.
5. Drainage studies, including hydrology or hydraulics unless otherwise identified above in scope of work.
6. All design changes and value engineering efforts after the Design Development Phase is excluded from this scope.

Badger Hydrovac Statement Of Work

United States

RE: Master Services Agreement

Prepared By:	Jennifer Roberts
Email:	jeroberts@badgerinc.com
Phone:	386-507-5910
Date:	04/23/2026
Estimate Number:	CPQ-267298v1
Project Name:	GOAA H-414 Under Train Station Rehab REVISED

Badger Daylighting Corp
ORLANDO FL CORP
1019 Shadick Drive Unit B Warehouse E
Orange City, FL 32763
"An equal opportunity employer"

Statement of Work Exclusively For:
THE MIDDLESEX CO.
Account #: 27808
Peter Donkor

pdonkor@middlesexco.com
+1 (978) 501-2358

Prepared By:
jeroberts@badgerinc.com

04/23/2026

This Statement of Work is entered into with reference to that certain Master Services Agreement by and between THE MIDDLESEX CO. and Badger Daylighting Corp. Unless otherwise provided for herein, this Statement of Work shall be governed by the terms of the Master Services Agreement and the Standard Terms and Conditions referenced therein.

Scope Of Work

The below pricing includes vacuum excavation services for The Middlesex Co.

The estimate is based on the following scope of work to be completed with a 2-man crew as needed in (12) hours per day for approximately (15) day(s):
Hydro excavate potholes locating underground utilities.

Middlesex is responsible for onsite disposal, additional water if needed and clear access to excavation areas.

Badger will provide water and remote hose if needed.

Badger is not responsible for the approximate timeline given due to ground conditions and/or any unforeseen circumstances. The timeline can fluctuate.

Note: THIS IS ONLY AN ESTIMATE. True time will be charged.

- Area is to be accessible within (15) feet of Badger unit or remote hose fees will apply.
- A third-party disposition and supply water fees will be applied unless a disposal location and adequate water source are provided by customer.
- All rates are billed port to port from the nearest Badger office.
- ~~Same day cancellation will result in a cancellation fee of $1,500.~~
- ~~Same day request will result in an emergency callout fee.~~
- Actual quantities will be billed.

Service Item	Item Description	Unit Cost	UOM	Quantity	Amount
BADGER HYDROVAC WITH OPERATOR	UPTO 8HRS PORT TO PORT, MON-FRI	$270.00	HR	120.0	$32,400.00
BADGER HYDROVAC WITH OPERATOR OVERTIME	OVER 8HRS PORT TO PORT, MON-FRI & ALL DAY SATURDAY	$305.00	HR	60.0	$18,300.00
ADDITIONAL OPERATOR	UPTO 8HRS PORT TO PORT, MON-FRI	$73.00	HR	120.0	$8,760.00
ADDITIONAL OPERATOR OVERTIME	OVER 8HRS PORT TO PORT, MON-FRI & ALL DAY SATURDAY	$107.00	HR	60.0	$6,420.00

DISPOSITION	Offsite disposal IF NEEDED	$300.00	EA	0.0	$0.00
CONSUMABLE MATERIALS	Safety supplies per operator	$28.45	EA	30.0	$853.50
FLUCTUATING FUEL RECOVERY	FIXED @ 5%	$3,422.93	EA	1.0	$3,422.93
SUPPLY WATER	If not provided onsite	$115.00	EA	15.0	$1,725.00
REMOTE HOSE	ADS flex hose - per 100' roll	$500.00	DAY	0.0	$0.00
SUPPORT TRUCK	Transport remote hose	$250.00	DAY	0.0	$0.00
			Total		$71,881.43

General Notes, Conditions, & Badger Responsibilities:

1. Travel rates apply when traveling from the closest Badger Operation to the client's project site.
2. Badger will off load material at a contracted facility. Travel to and from a designated facility is considered part of the work day and charged at the hourly rate.
3. ~~Any additional third party services provided by Badger Daylighting outside of our typical Hydrovac activities shall be charged out at cost +~~
4. ~~With any Hydrovac project, there are possible additional charges that are application and site specific. For example, items such as water trucks, specialized equipment and attachments (remote hose, etc.), crew trucks, and other items may be required. Rather than provide an extensive listing of all possible considerations, this is best implemented on a project by project basis and evaluated at the field operations level. The information presented in this document represents the complete proposal.~~
5. This proposal is valid for 30 days from the date posted on this proposal document.
6. ~~Terms of Payment - Net 30 days from date of invoice. Late invoices subject to service fees.~~
7. ~~Zero (0) % retainage is withheld.~~
8. Taxes – tax will be added to quote pricing as required by State/Local governments.
9. ~~All invoices will be assessed a Fluctuating Fuel Recover Fee on the entire amount of the invoice. This fee is reviewed regularly and is subject to change. Badger utilizes information from the US Department of Energy and the Canadian Department of Natural Resources when calculating the fee~~

Customer responsibilities include:

1. Access to the Hydrovac site, including permits and permission from property owners, utilities, and government agents.
2. Surface locates, survey marks and traffic control, if needed unless agreed to in writing prior.
3. Breaking, removal, and restoration of asphalt and or concrete unless agreed to in writing prior.
4. Establish, maintain, and remediate accessible water source and disposal site.
5. Specific direction and locations for Hydrovac excavation.
6. Backfill and site restoration unless agreed to in writing prior to completing work.
7. Materials to secure and cover the excavation unless agreed to in writing prior.
8. Shoring, maintenance, and barricading.
9. Ownership of the soil and debris removed by the Hydrovac including any soils or material contaminated or suspect.
10. Any project delays caused by others that result in downtime of Badger Hydrovac units will be billed at the hourly rates.
11. Pay for all specialized training that is required by contractor/owner/Badger to be on the site to work.
12. Notify Badger of all billing requirements and any appropriate purchase orders, job numbers, AFE, etc. that would be necessary to release payment to Badger. This must be done prior to the first day of work.
13. Notify Badger of any of the following: Certified payrolls, OCIP requirements, prevailing wage.
14. Additional insurance requirements over what Badger already has in place.

Customer Representative		**Badger Representative**	
Printed Name:	_____	Printed Name:	_____
Signature:	_____	Signature:	_____
Date:	_____	Date:	_____

I am authorized to bind the Company

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14. Additional insurance requirements over what Badger already has in place.

Customer Representative		**Badger Representative**	
Printed Name:	_____	Printed Name:	_____
Signature:	_____	Signature:	_____
Date:	_____	Date:	_____

I am authorized to bind the Company

SPEEDY CONCRETE CUTTING, INC.

820 W Gore Str
Orlando, FL 32805
407-786-3766 F 786-3769

FT. LAUDERDALE ♦ ORLANDO ♦ TAMPA
SAVANNAH ♦ COLUMBIA

CUSTOMER COMPANY NAME		
Middlesex Corp.		
CUST NUMBER	COMPANY STREET ADDRESS	
CMID500		
CITY	STATE	ZIP CODE
	FL	
OFFICE PHONE/XT.	Date	PHONE SCOPE
978-501-2358	3/30/2026	YES
BID REQUESTED BY	QUOTED BY	
Peter Donker	Mark	

JOB ADDRESS		CITY
10412 Jeff Fuqua Blvd		Orlando
COMPLETE LEGAL JOB NAME		MAP PAGE
GOAA H-414 Under train Parking		
CROSS STREET/DIRECTIONS & MEETING POINT		
JOB PHONE	Contract Number	JOB NUMBER
689-312-1956		
JOB ORDERED BY	DATE ORDERED	ORDER TAKEN BY
Juan Hincapie		Mark
GENERAL CONTRACTOR	WORK LAYED WHEN QUOTED	
	YES NO	
START DATE	DAY / TIME	CONTACT ON JOB

"OSHA POLICY GOVERNING LOCK OUT TAG OUT PROCEDURES"

To ensure compliance with the OSHA Standards for the Construction Industry governing ELECTRICAL HAZARDS, specifically 1926.41(a)(1), (2) and (3) and to safeguard ANY workers that may come in contact with Electrical Hazards within our areas of work, it is Speedy Concrete Cutting, Inc. policy that ALL electrical circuits within our areas of work be de-energized and Lock Out Tag Out procedures performed OR that utility locates have been performed and proof provided by the customer PRIOR to Speedy Concrete Cutting's performance of work on site. Upon site arrival the SCC operator shall ascertain by inquiry and direct inspection that ALL electrical circuits that may conflict our scopes of work are de-energized and LOTO procedures performed OR that utility locates, performed by a licensed provider, clearly identify ALL of those circuits. This explicit agreement shall be agreed upon and acknowledged by the customer prior to the scheduling of work.

SPEEDY CC SPECIALITY/SHOP EQUIPMENT OPTONS					
PORT UNIT	HOSE		DUNNAGE	QTY.	
SCAFFOLD	TIERS		PLYWOOD	QTY.	
"A" LADDER	FT.		LABORER	QTY.	
POST SHORE	QTY.		OTHER	**Wet Vacuum**	

WATER & ELECTRIC AND CONTRACTOR SUPPORT				
WATER	**FT.**	trk	Respirator Required	**no**
ELECTRIC	**FT.**	gen	LABORER	QTY.
Distance to Trk		100'	PLYWOOD	QTY.
SCAFFOLD	TIERS		SHORING	QTY.

TOOL	QTY	HOURS	DESCRIPTION OF SAWCUTTING AND REMOVAL SCOPES OF WORK	UNIT PRICE	TOTAL PRICE
			Slab saw		-
					-
			Saw cut asphalt or concrete up to 12" thick		
			Work preformed on a daily rate per operator/ per 8 hour day	1,700.00	
			Provide 2nd man to vacuum and remove slurry		
			Work preformed on a daily rate per operator/ per 8 hour day	1,000.00	
			Projected time line of 5 days on site		13,500.00
			Fuel Charge	5%	675.00
			Customer to:		
			Provide layout prior to SCC arrival		-
					-
AND CONDITION					
TOTAL HRS.		0		**TOTAL PRICE**	**$ 14,175.00**

THE FOLLOWING ITEMS ARE EXCLUDED FROM ANY SPEEDY CONCRETE CUTTING SCOPE(S) OF WORK AND ARE SOLELY THE RESPONSIBILITY OF THE CUSTOMER/CONTRACTOR : 1. Locating, marking, protecting or capping ALL utilities within our areas of work. 2. Protecting and/or cleaning of all surrounding areas to remain from water, dust, etc. 3. Barricading and safeguarding of created openings. 4. Shoring and/or bracing of structural areas to remain. 5. Designation and maintenance of M.O.T. 6. Layout to define the limits of sawcutting, coring or demolition.

~~**STANDARD CONDITIONS**: One mobilization during non-overtime, weekday hours is included unless otherwise specified. Delays beyond the control of Speedy Concrete Cutting will be charged as stand-by at a rate of $125.00 per hour. No bonding is included. Current insurance limits are acceptable and no consideration is extended for controlled insurance programs unless otherwise noted. Prices good for 30 days from quoted date and are subject to change pending scopes of work.~~

~~**TERMS OF PAYMENT**: Net 30 days with no retainage held. Monies owed after 30 days are subject to 18% interest per annum. If actions or suit are brought by Speedy Concrete Cutting to collect ANY funds due under this bill, the customer agrees to pay ALL collection costs including reasonable attorney fees.~~

SPEEDY CC, INC. REPRESENTATIVE	*Mark A. Hart*	CUSTOMER ACKNOWLEDGEMENT	

Wall Sawing Core Drilling Wire Sawing Flat Sawing Diamond Grinding Breaking Removal

TMC GOAA 5-WIDE TRAILER COSTS

ITEM	COST	
Trailer	$	3,567.27
Septic	$	1,065.00
Cleaning	$	896.00
GOAA Internet	$	1,495.00
GOAA Phone	$	116.09
TOTAL	$	7,139.36

MBSI
614 E Highway 50 Suite 326
Clermont, FL 34711-3164 US
4079059951
admin@mbsi.com
mbsi.com

Invoice

Modular Building Systems
INTERNATIONAL

BILL TO
Middlesex Corp
Jim Carr

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
201401	01/01/2026	$3,567.27	01/01/2026	Due on receipt	

P.O. NUMBER
127811

SALES REP
P.B.

DATE	DESCRIPTION	QTY	RATE	AMOUNT
	60x60 24 month rental @ $3,175 - TMS-5100AE	1	3,175.00	3,175.00T
	Property Tax	1	174.55	174.55T
	PO 2102.0071			0.00

SUBTOTAL	3,349.55
TAX	217.72
TOTAL	3,567.27
BALANCE DUE	**$3,567.27**

From

Angie Handy, LLC

6964 Tussilago way
Orlando, FL 32822

Delete Logo

To

Middlesex Corporation

11400 Terminal C Service Rd
Orlando, FL 328227

INVOICE

Invoice # 000001160

Invoice Date 01/28/2026

Due Date 01/28/2026

Item	Description	Unit Price	Quantity	Tax	Amount
Service	Cleaning Services 01/19 - 02/01	112.00	4.00	6.50%	448.00
Service	Cleaning Services 02/02 - 02/15	112.00	4.00	6.50%	448.00

New Line

Invoice Notes

Subtotal	896.00
+ Tax (6.50%)	58.24
Total	954.24
Amount Paid	0.00
Balance Due	$954.24

Anderson Rentals, Inc.
PO BOX 765
MIMS, FL 32754-0765
Phone: (321)269-9957
Fax: (321)383-3408
www.potty.com

CUSTOMER NO	001134
INVOICE DATE	2/6/2026
INVOICE NO	0011093791
CUSTOMER PO	
DUE DATE	2/16/2026

Any dispute of charges must be made in writing within 30 days of the invoice date. After 30 days, all charges will be considered valid and due in full. Billing questions may be emailed to AcctRec@anderson-rentals.com. Sales and orders should be directed to Sales@anderson-rentals.com.

DATE	FREQUENCY	DESCRIPTION	QUANTITY	RATE	AMOUNT
New Charges					
Site 001134-0038 - MIDDLESEX CORPORATION - 11400 TERMINAL C SERVICE RD, ORLANDO - PO: 2129.0001					
01/10/2026 - 02/06/2026	Weekly	280 GAL HOLDING TANK	4.00	$250.00	$1,000.00
		FL/Orange Tax			$65.00

Total New Charges: **$1,065.00**

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Anderson Rentals, Inc.
PO Box 765
Mims, FL 32754-0765
Phone: (321)269-9957

CUSTOMER NO	INVOICE DATE	INVOICE NO	NEW CHARGES
001134	2/6/2026	0011093791	$1,065.00
CHECK NO		AMOUNT ENCLOSED	
		$	

Be sure to write your customer number on your check

MIDDLESEX CORPORATION
1 SPECTACLE POND RD
LITTLETON, MA 01460-1128

Spectrum BUSINESS

MIDDLESEX CORPORATION
7401 DOWDEN RD
ORLANDO, FL 32827-6830

Invoice Number:	165152301071425
Account Number:	165152301
Invoice Date:	07/14/25
Due Date:	08/13/25
Security Code:	530232

Summary

Account activity from 07/15/2025 through 08/14/2025 details on following pages

Previous Statement Balance	$1,495.00
Payments	$-1,495.00
07/09/2025	$-1,495.00
Previous Statement Balance Subtotal	**$0.00**
Adjustments	$0.00
Prorated Charges	$0.00
Recurring Charges	$1,495.00
One Time Charges	$0.00
Taxes, Fees & Surcharges	$0.00
Current Charges Subtotal	$1,495.00
BALANCE DUE	**$1,495.00**

Type text here 165152301 - Co. 1
Vendor - 106839 # 4
Job 2129.0001
9000.2040.000 - 7
7401 Dowden Rd
Orlando, FL 32827-6830

Thank you for choosing Spectrum Business for enterprise. We value you as our customer and appreciate your prompt payment.

Note: Payments made after 07/04/2025 may not be reflected in the Payments section of this statement. They will appear on the following month's statement.

HOW TO CONTACT US
For Sales, Support, or Billing questions, please contact us at:
1-888-812-2591

PAYMENT OPTIONS
Checks:
Charter Communications
Box 223085
Pittsburgh PA 15251-2085

ACH/Wire Transfers:
Bank Name: Mellon Bank
ABA Number: 043000261
Account Name: Charter Communications
Account Number: 0001215564
Email remit information to:
DL-CASHMGMT-FL@CHARTER.COM

Credit Cards:
http://enterprise.spectrum.com/billpay

To set up an automatic recurring credit card payment:
Call 1-888-812-2591

RECEIVED
JUL 21 2025

Please detach and enclose this coupon with your payment.

Spectrum BUSINESS
1900 BLUE CREST LN
SAN ANTONIO, TX 78247
6810 0225 NO RP 14 07142025 NNNNNNNY 01 021953 0063

MIDDLESEX CORPORATION
C/O ACCOUNTS PAYABLE
1 SPECTACLE POND RD
LITTLETON MA 01460-1128

ACCOUNT NUMBER 165152301

DUE DATE	08/13/25
PREVIOUS BALANCE SUBTOTAL	$0.00
CURRENT CHARGES SUBTOTAL	$1,495.00
BALANCE DUE	**$1,495.00**
AMOUNT PAID	$ _____

CHARTER COMMUNICATIONS
BOX 223085
PITTSBURGH, PA 15251-2085

0670100100116515230151000149500

MIDDLESEX CORPORATION
Invoice Number: 165152301071425
Account Number: 165152301
Invoice Date: 07/14/25
Due Date: 08/13/25
Security Code: 530232

Spectrum BUSINESS®
Contact Us at
1-888-812-2591

6810 0225 NO RP 14 07142025 NNNNNNNY 01 021953 0063

Charge Details

Previous Statement Balance	$1,495.00
Payments	$-1,495.00
07/09/2025	$-1,495.00
Previous Statement Balance Subtotal	**$0.00**
Adjustments	$0.00
Prorated Charges	$0.00
Recurring Charges	$1,495.00
Dedicated Fiber Internet 100Mbps	$1,495.00
Circuit ID: 40.L1XX.823337..TWCC	
One Time Charges	$0.00
Taxes, Fees & Surcharges	$0.00
Current Charges Subtotal	**$1,495.00**
BALANCE DUE	**$1,495.00**

Billing Information

~~**Late Fee:** You may be assessed a late fee for any amounts which are not paid when due. The late fee shall be the lesser of one and one-half percent (1.5%) per month or the highest rate chargeable by law.~~

Taxes and Fees: Effective July 1, 2025 the Federal Universal Service Fund decreased to 36%.

Greater Orlando Aviation Authority

REMIT TO:
GOAA
PO Box 946634
Atlanta, GA 30394-6634

Invoice#	25013382
Invoice Date	04/16/2025
Agreement#	006820
Contract#	
Company#	00004470
Total Amount	$116.09

The Middlesex Corporation
Ms Mavis Agyekum
11051 Canal Road
Orlando, FL 32827

Orlando International Airport

Line	Description	Amount
1	Telephone Monthly Reimb-Taxable 116.09 @ $1.00 (03/01/2025-03/31/2025)	$116.09
Total Amount Due		**$116.09**

Invoice# 25013382 04/16/2025 Company# 00004470

Telephone charges for March 2025 - due on May 01, 2025

~~PAYMENT IS DUE WITHIN 15 DAYS OF INVOICE DATE.~~

PLEASE DIRECT QUESTIONS CONCERNING THIS INVOICE TO GOAA TELECOMMUNICATIONS at (407) 825-3217.
PO # 2096.0022

Docusign Envelope ID: 36FB8D7A-5824-4D32-8F85-6B76B8788313

Purchase Order

The Middlesex Corporation One Spectacle Pond Road, Littleton, MA 01460

Phone: 978-742-4400 Fax: 978-742-4434

PO #: 2129.00170005

Job: 2129.0017 GOAA H-369 - Term. C Enhancements J Hook Pond

Vendor: BOB'S BARRICADES INC
105170 921 SHOTGUN ROAD

SUNRISE, FL 33326

Required: M/W/DBE? (Y/N) N If Y, MBE/WBE/DBE If Y, Agency?

Contact: Joe Turner Phone: 239-825-4825

Date Ordered: 12/31/25
Ordered By: S.Biswari
Expected Date :
Payment Terms: Net 30 days
TMC Contact: Peter Donker
TMC Phone: 978-501-2358
FOB: Jobsite

Invoice: **The Middlesex Corporation**
One Spectacle Pond Road
Littleton, MA 01460 US

Ship To: GOAA H-369 - Term. C Enhancements J Hook Pond
Jobsite

Freight Prepaid? Y Via: Vendor **Delivery Note:**

Item	Code	Description	Units	UM	Price	Amount
1	1	Rental - Drums/Barricades (Type II) Job: 2129.0017 Phase: 3471.0320.000 CT: 7 Tax Rate EXEMPT Tax Amt 0.00	9,600.000	ED	0.16E	1,536.00
					Subtotal	1,536.00
					Tax: EXEMPT	0.00
					Total	**1,536.00**

- All items are to be in accordance with the contract plans and specifications.
- The quantities are estimated, the actual quantities required will be determined in the field.
- The above prices include delivery to the jobsite.
- Do not release order for shipment until directed to do so by TMC.
- Delivery to the jobsite shall be closely coordinated with TMC's Project manager.
- An advance notice of 10-15 days shall be provided by the TMC for all deliveries.
- Setup and relocation is excluded and will be done by TMC.
- Sales tax applies to purchase items only.

The Middlesex Corporation: **Vendor Signature:**

Name	Title	Date	Name	Title	Date
		1/5/2026 | 8:51 AM EST		Vice President	1/5/2026 | 8:51 AM EST

Vendor's acceptance of this order is hereby made expressly conditional upon its assent to and acceptance of all terms and conditions on the front and reverse sides of this Purchase Order and additional or different terms and conditions proposed by Vendor are expressly rejected.

Florida only: The Equal opportunity Clauses required by Executive Order 11246, as amended, the Vietnam Era Veteran 's Readjustment Assistance Act of 1974, as amended, 38 U.S.C.4212 (formerly 2012), Section 503 of the Rehabilitation Act of 1973, as amended, and their implementing regulation at 41 CFR Chapter 60 (41 CFR 60-1-4, 41 CFR 60-250.4, and 41 CFR 741.4) are part of this purchase order and binding upon the seller (Subcontractor, Vendor, or Supplier) unless exempted by rules, regulation or orders of the Secretary of Labor.

This purchase order must be executed and returned to Buyer within ten (10) days after the date it was mailed to the Vendor, and, in the event that it is not returned, Vendor agrees to be bound by the terms and conditions at the election of the buyer.

SUNRISE HAULING & EXCAVATING INC.

PROPOSAL / CONTRACT

345 Enterprise Street
Ocoee, FL 34761
Phone:(407) 775-1401
Fax: (407) 395-2331

Date: April 23, 2026
Estimate Number: 33120264 Rev01
Customer Name: Middlesex Corporation
ADDRESS: 10801 Cosmonaut Blvd
CITY/STATE/ZIP: Orlando Fl, 32824
PHONE: 978-501-2358
E-MAIL: pdonkor@middlesexco.com

PROJECT
GOAA H-414 Under Train Parking Rehab Design & Build
LOCATION
Train Station Parking @ OIA
Orlando Fl

PAYMENT TERMS
Net 30

PREPARED BY:
Alberto Puentes
Regional Sales Manager
sunrisehaulingestimating@gmail.co
Mobile (407)714-0970

MINORITY CERTIFY M.B.E./LDB, ORLANDO AVIATION, ORANGE COUNTY, MWBE CITY OF ORLANDO, DBE/F-DOT

QTY	UoM	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY PRICE	TOTAL PRICE
435	Hr	On Site Hourly Rate (8 Hr Minimum)	GOAA Train Parking Rehab	On Site	75	$ 32,625.00
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
		Fuel Escalation charge of 1.5% for every 7cents increase from start through duration of Job. Verified by eia.gov lower atlantic fuel website	1.5% Yearly Cost of Living Increase			$ 32,625.00

MATERIAL BASED ON AVAILABILTY - Rates based on 10 hour dump days

~~NOTE: ALL Rates based on service upon truck availabilty and/or loading condions at the quarry. Upon acceptance of proposal and before placement of order(s). Please sign and return to our office along with NTO or bond informationvia email.~~ ~~**Plese note that before ordering service for any project you must submit a Notice of Commencement stating all the legal description for that particular project.**~~ ~~Fuel Escalation above, Verified by eia.gov lower atlantic fuel website Please remember that acceptance of proposal **does not** represent an order. To place an order you must contat ouroffice or dispatcher with at leaset one day notice. Prices are subject to change if rate(s) increase from the quarry and or change at the dump site(s). Hauling rates are subject to change depending on current fuel prices. Validation of quoted pricing is subject to proposal being accepted and returned with signature within 30 days of sending date.~~

~~**SPECIAL PROVISIONS: Prices Quoted are US Tons (Not Metric) Prices Quoted Do Not Allow Retainage**~~

~~**PAYMENT TO BE MADE AS FOLLOWS: NET 30**~~

~~All work is done with the understanding that the customer is fully responsible to verify that all labor, materials, quantities, equipment, time and all other work furnished meets the requirements of the job stated above. Upon customer satifaction, customer and/or authorized persons will acknowledge by signing the delivery tickets for all work/materials furnished. after the signing of the delivery tickets, customer is fully liable for all work state thereon. There will be no credits issured and no dicrepancies after signing of said tickets. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. This proposal is acceptable within 30 days and is void thereafterat the option of the undersigned. In the event it becomes necessary for Sunrise Hauling & Excavating Inc. to engage the service of an attorney to collect any sums due under this contract, the customer will pay reasonable attorney's fees and all costs in making such collection.~~

Sign Below to Accept Proposal:

Authorized Rep _____ Date _____

R. H. Moore & Associates
Soil Stabilization & Erosion Control
7834 Depot Lane | Tampa, Florida 33637
Telephone: (800) 330-2333

QUOTE

QUOTE DATE	4/23/26
QUOTE #	34066
QUOTED BY	Jadon Peterson

PROJECT	GOAA H-414 Under Train Station
BID DATE	
COMPANY	The Middlesex Corp. 1 Spectacle Pond Road Littleton, MA 01460
ATTENTION	Peter

SHIP TO

Orlando, FL

FREIGHT TERMS

Plus Freight

EST. DELIVERY TIME

1-2 Weeks ARO

ITEM	DESCRIPTION	QTY	U/M	UNIT PRICE	LINE TOTAL
2030-180	Siltworm - 9" X 300'	12	ea	489.00	5,868.00
	0.5% of $5,000 (Orange County Surtax)			50.00	50.00
Freight	Freight Estimate to Orlando, FL			500.00	500.00

MATERIAL PRICING DOES NOT INCLUDE SALES TAX

NOTES:
- The above quantities are estimates only and final quantities are the responsibility of the purchaser
- Changes in quantities will require creation of a new quote
- ~~Terms: Net 30 Days (with an open account)~~
- Above pricing is for materials only
- Materials in stock may be picked up from our Tampa Warehouse location
- Use Tax may be due on purchases delivered or picked up outside of Florida. Please contact the Department of Revenue for instructions on how to file and pay

Please call (800) 330-2333 or send an email to Sales@rhmooreassociates.com if you need more information, technical support or to place your order

PRICING IS FOR MATERIALS ONLY AND DOES NOT INCLUDE INSTALLATION

SUBTOTAL	$6,418.00
TAX (6.0%)	$352.08
ESTIMATED TOTAL	$6,770.08

ACCEPTED BY _____ DATE _____

SIGNATURE _____

H-00414 Under Train Station Parking Rehabilitation (D/B) - Design Phase

Rehabilitate parking spaces beneath the Train Station to improve the quality and utility of avaialable space.

OAR ESTIMATE PAY ITEMS AND UNIT COST

ITEM NO.	SPEC NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED TOTAL
1	M-101-1	MOBILIZATION	1	LS		See Below
2	D-101	Design Services (4%)	1	LS	$ 168,000.00	$ 168,000.00
3	D-102	Survey (1%)	1	LS	$ 42,000.00	$ 42,000.00
4	C-100	Safety and Spotting (Protection of existing systems and handwork labor)	45	ED	$ 3,500.00	$ 157,500.00
5	C-101	Temporary Traffic Control	60	ED	$ 600.00	$ 36,000.00
6	C-102	Erosion Control (1%)	1	LS	$ 42,000.00	$ 42,000.00
7	C-103	Site Demolition (See attached sheets for details)	1	LS	$ 366,998.00	$ 366,998.00
8	C-104	Utility Relocation (see attached sheets for details)	1	LS	$ 280,674.00	$ 280,674.00
					SUBTOTAL	$ 1,093,172.00
		MOBILIZATION (10% OF CONSTRUCTION COSTS)	1	LS	10%	$ 109,317.20

TOTAL OAR OPINION OF PROBABLE CONSTRUCTION COSTS* ***$1,202,489.20***

Prepared by Ben Brown, P.E. Loyal Wingman, LLC

LOYAL WINGMAN

ORL FLA

FIDELIS · INTEGRITAS · PRUDENTIA

MMXXI

CONSTRAINED EXCAVATION — Brightline RAIL STATION

Removal of 4" Crushed Stone Base + 12" Subgrade Excavation | Total Depth: 16" | Central Florida Market

oject: Brightline Rail Station – Subgrade Demo & Excavation **Prepared By:** Ben Brown **Date:** April 13, 2026

QUANTITY & VOLUME CALCULATIONS

Item	Parameter	Value	Unit	Notes
1	**Project Area**	10,000	**SY**	**10,000 SY total footprint**
	Project Area (converted)	90,000	SF	Project Area * 9 (1 SY = 9 SF)
2	**Stone Layer Thickness (4")**	4	**in**	**Crushed stone ballast/base**
	Stone Volume (bank measure)	1,111.1	CY	SF * thickness / 12 / 27
	Stone Volume – Loose (swell 1.10)	1,222.2	CY	Bank CY × swell factor (Key Input 0.3 on L&E sheet)
	Stone Truck Loads (14 CY capacity)	88	loads	CEILING(loose CY ÷ truck capacity, 1) — truck cap from Key Input 0.5
3	**Soil Excavation Thickness (12")**	12	**in**	**Subgrade soil below stone**
	Soil Volume (bank measure)	3,333.3	CY	SF * thickness / 12 / 27
	Soil Volume – Loose (swell 1.25)	4,166.7	CY	Bank CY × swell factor (Key Input 0.4 on L&E sheet)
	Soil Truck Loads (14 CY capacity)	298	loads	CEILING(loose CY ÷ truck capacity, 1) — from Key Input 0.5
4	**TOTAL Excavation Volume (bank)**	**4,444.4**	**CY**	**Stone CY + Soil CY**
	TOTAL Truck Loads	**386**	**loads**	**Stone loads + Soil loads**

DETAILED COST ESTIMATE

Item #	Description of Work	Quantity	Unit	Unit Cost ($/Unit)	Extended Amount ($)	Basis / Notes
	GENERAL CONDITIONS & MOBILIZATION					
1.01	Mobilization & Demobilization	-	LS	$100,000.00	-	*2 mini-excavators + 1 CTL + support equip; LS input — adjust if mob distance changes*
1.02	Site Setup, Temp Barriers & Dust Control	-	LS	$8,000.00	-	*Perimeter barriers, signage, water for dust suppression; LS input*
1.03	Temporary Traffic Control	-	LS	$30,000.00	-	*Flagging, SunRail/FDOT safety protocols & submittals; LS input*
1.04	General Conditions (PM, Super, Safety, Permits, Insurance)	1	LS	$28,000.00	$28,000	*25 working days; PM + Super + Safety + permits + insurance; LS input*
	CRUSHED STONE REMOVAL (4" LAYER)					
2.01	Crushed Stone Excavation & Loading – Equipment & Labor	1,111	CY	$52.31	$58,121	*Formula-driven: see L&E sheet Sec.4 row 4.13 — adjust stone prod rate (Key Input 0.6) to change this cost*
2.02	Crushed Stone – Haul & Disposal / Recycling	88	Loads	$187.14	$16,468	*Formula-driven: see L&E sheet Sec.4 row 4.16 — driven by truck rate + cycle time + tipping fee*
	SOIL / SUBGRADE EXCAVATION (12" LAYER)					
3.01	Subgrade Soil Excavation & Loading – Equipment & Labor	3,333	CY	$45.08	$150,278	*Formula-driven: see L&E sheet Sec.4 row 4.14 — adjust soil prod rate (Key Input 0.7) or excavator rates to change*
3.02	Soil – Haul & Disposal (off-site licensed facility)	298	Loads	$187.14	$55,768	*Formula-driven: see L&E sheet Sec.4 row 4.17 — driven by truck rate + cycle time + soil disposal fee*
	INSPECTION, TESTING & CLOSEOUT					
4.01	Subgrade Inspection, Proofrolling & Geotechnical Testing	1	LS	$25,000.00	$25,000	*FL-based geotech firm; proofroll + compaction testing; LS input*
4.02	Site Cleanup, Final Grade & Demobilization Sweep	-	LS	$6,000.00	-	*Broom-clean, remove temp works, restore column surrounds; LS input*

SUBTOTAL — Direct Construction Cost	**$333,635**
Contractor Overhead & Profit (15%)	**$33,363**
ESTIMATED PROJECT TOTAL	**$366,998**
Unit Cost per Square Yard (basis: 10,000 SY)	**$36.70**

KEY ASSUMPTIONS & QUALIFICATIONS

- Equipment: (2) mini-excavators, 5–8 ton class (Cat 305 / Kubota KX080 equivalent) + (1) compact track loader for stone stripping phase.
- Headroom: 12 ft clearance governs equipment selection; production rates reflect constrained-swing, short-reach operation.
- Production Rate: ~350 CF/hr per machine; dual-machine operation yields ~700 CF/hr = ~259 CY/day over a 10-hr shift.
- Estimated field duration: approximately 17 excavation days + mobilization/cleanup = 25 working days total.
- Truck capacity assumed at 14 CY (loose measure). Swell factor 1.10 for crushed stone; 1.25 for native soil.

Disposal: Stone assumed recyclable at Central Florida C&D facility. Soil disposed at licensed facility — confirm non-hazardous status; FL DEP may require manifests for soil within wellfield protection zones.

- Estimate EXCLUDES: permits/fees payable to transit authority, environmental testing/remediation, shoring/underpinning, dewatering, and utility protection beyond standard OSHA requirements.
- Pricing basis: Q2 2026 Central Florida U.S. market. Adjust unit costs ±15–20% for other regions or market conditions.

Prepared: April 13, 2026 | This estimate is based on assumed site conditions. Field verification recommended prior to bid.

LABOR & EQUIPMENT COST ASSUMPTIONS

Brightline Rail Station Subgrade Excavation | Q2 2026 Central Florida Market (Orlando / I-4 Corridor)

SECTION 0 — KEY SCALAR INPUTS (blue = change these to recalculate the entire estimate)

#	Assumption / Parameter	Input Value	Unit		Notes
0.1	Payroll Burden & Benefits Rate	42.0%	rate		*Applied to base wages in Section 2; 35% = FICA + WC + benefits (FL open-shop)*
0.2	Shift Length	10	hrs/day		*Standard 10-hr shift; reduce to 8 for restricted night/weekend windows (+25% duration)*
0.3	Swell Factor — Crushed Stone	1.1	factor		*Bank-to-loose volume factor; 1.10 typical for graded crushed stone*
0.4	Swell Factor — Native Soil	1.3	factor		*1.25 typical for sandy FL soil; increase to 1.30 for cohesive or mixed soils*
0.5	Truck Capacity	14	CY (loose)		*14 CY tandem axle — standard for this region; verify legal gross weight limit*
0.6	Stone Phase Production Rate	200	CF/hr		*CTL strips stone + 1 excavator loads; loose material → higher rate than soil*
0.7	Soil Phase Production Rate	250	CF/hr		*Both excavators digging simultaneously; 350 CF/hr each; adjust for soil type*
0.8	Stone Tipping / Recycling Fee	0	$/load		*Central FL C&D recycling facility; stone typically accepted at low cost*
0.9	Soil Disposal Fee	0	$/load		*Licensed C&D facility; non-hazardous sandy fill — confirm with FL DEP*
0.10	Overhead & Profit Rate	10.0%	rate		*Applied on Cost Estimate sheet to direct cost subtotal*

SECTION 1 — EQUIPMENT RENTAL RATES (bare rental, no operator)

#	Equipment Description	Daily Rate	Hourly Rate (÷ shift hrs)	Unit	Notes
1.1	Mini Excavator 5–8t, Unit A (Cat 305 / Kubota KX080)	$1,150.00	$115.00	$/day	*Primary dig machine; constrained 12-ft headroom; boom radius limits swing*
1.2	Mini Excavator 5–8t, Unit B (second machine)	$1,150.00	$115.00	$/day	*Dual-machine operation to hit target duration*
1.3	Compact Track Loader (Bobcat T650 / Cat 299)	$900.00	$90.00	$/day	*Stone stripping & push-piling; Phase 1 of work sequence*
1.4	Dump Truck, 14 CY tandem axle	$850.00	$85.00	$/day	*Per truck bare rate; 3–4 trucks to sustain excavation pace*
1.5	Water / Dust Control Truck (shared)	$550.00	$55.00	$/day	*Dust suppression per SunRail / FDOT site requirements*
1.6	Plate Compactor / Walk-Behind	$165.00	$16.50	$/day	*Final trim & subgrade preparation*

SECTION 2 — LABOR RATES (all-in = base wage + burden from Key Inputs 0.1)

#	Labor Classification	Base Wage ($/hr)	Burden (base × Input 0.1)	All-In Rate ($/hr)	Notes
2.1	Equipment Operator — Excavator (open shop)	$35.00	$14.70	$49.70	*Open-shop FL rate; Davis-Bacon ~$60-70/hr if federally funded — adjust base wage*
2.2	Equipment Operator — CTL / Loader (open shop)	$31.50	$13.23	$44.73	*Slightly lower classification than excavator operator*
2.3	Truck Driver — CDL Class A (open shop)	$28.00	$11.76	$39.76	*Haul & return; open shop FL market; verify against current AGC survey*
2.4	Laborer / Grade Checker	$22.00	$9.24	$31.24	*Bottom-of-excavation grade control; OSHA 10 required*
2.5	Working Foreman (on tools)	$40.00	$16.80	$56.80	*Field supervision + hands-on; competent person for excavation per OSHA 1926.652*
2.6	Project Superintendent (off tools)	$50.00	$21.00	$71.00	*Full-time site oversight; cost included in GC line item on Cost Estimate*
2.7	Project Manager (office + site visits)	$65.00	$27.30	$92.30	*Estimating, scheduling, SunRail / FDOT coordination*

SECTION 3 — ALL-IN CREW RATES (equipment hourly + operator all-in, both driven by Sections 1 & 2)

#	Crew / Resource	Equipment ($/hr)	Labor ($/hr)	All-In Rate ($/hr)	Derivation
3.1	Mini Excavator + Operator (per machine)	$115.00	$49.70	**$164.70**	*Equipment = Sec.1 row 20 daily ÷ shift hrs | Labor = Sec.2 row 29 all-in rate*
3.2	Compact Track Loader + Operator	$90.00	$44.73	**$134.73**	*Equipment = Sec.1 row 22 | Labor = Sec.2 row 30*
3.3	Dump Truck (14 CY) + Driver — per truck	$85.00	$39.76	**$124.76**	*Equipment = Sec.1 row 23 | Labor = Sec.2 row 31 | Used for haul cost derivation in Sec.4*

SECTION 4 — PRODUCTION RATES & UNIT COST DERIVATION (all formulas — driven by Sections 0–3)

#	Parameter	Calculated Value	Unit		Formula / Notes
4.1	Stone Phase Production Rate (ref Key Input 0.6)	200.0	CF/hr		*Stone phase production rate — reference to Key Input 0.6 above*
4.2	Soil Phase Production Rate (ref Key Input 0.7)	250.0	CF/hr		*Soil phase production rate — reference to Key Input 0.7 above*
4.3	Shift Length (ref Key Input 0.2)	10	hrs/day		*Shift length — reference to Key Input 0.2 above*
4.4	Daily Stone Volume Processed	2,000.0	CF/day		*=4.1 × 4.3 (stone phase CF per day)*
4.5	Daily Soil Volume Processed	2,500.0	CF/day		*=4.2 × 4.3 (soil phase CF per day)*
4.6	Daily Stone Volume (CY)	74.1	CY/day		*=4.4 ÷ 27 (cubic feet to cubic yards)*
4.7	Daily Soil Volume (CY)	92.6	CY/day		*=4.5 ÷ 27*
4.8	Truck Cycle Time ← INPUT	2	hrs/load		*INPUT — truck cycle: load + 6-mi haul + dump + return; increase for longer haul distance*
4.9	Loads per Truck per Shift	6.67	loads/truck/shift		*=4.3 ÷ 4.8 (need 3–4 trucks to match excavation output continuously)*
4.10	Stone Phase — Direct Machine Crew Rate	$299.43	$/hr		*Stone-phase direct machines: 1 Excavator (row 39) + CTL (row 40)*
4.11	Soil Phase — Direct Machine Crew Rate	$329.40	$/hr		*Soil-phase direct machines: 2 Excavators (row 39 × 2)*
4.12	Field Supervision Rate (Foreman + Laborer)	$88.04	$/hr		*Field supervision on site for all phases: Foreman (row 33) + Laborer (row 32)*
4.13	**STONE Excavation Unit Cost ▶ feeds Cost Estimate**	**$52.31**	$/CY		*=(4.1 + 4.12) ÷ (4.1 ÷ 27) → total $/hr ÷ CY/hr → stone excavation unit cost*
4.14	**SOIL Excavation Unit Cost ▶ feeds Cost Estimate**	**$45.08**	$/CY		*=(4.11 + 4.12) ÷ (4.2 ÷ 27) → soil excavation unit cost*
4.15	Truck All-In Rate (ref Section 3)	$124.76	$/hr		*Truck all-in rate: reference Section 3 row 41*
4.16	**STONE Haul & Disposal ▶ feeds Cost Estimate**	**$187.14**	$/load		*=(4.15 × 4.8) + Key Input 0.8 → truck cost per cycle + stone tipping fee))*
4.17	**SOIL Haul & Disposal ▶ feeds Cost Estimate**	**$187.14**	$/load		*=(4.15 × 4.8) + Key Input 0.9 → truck cost per cycle + soil disposal fee))*

SECTION 5 — MARKET & PRICING QUALIFICATIONS

5.1	Geographic basis: Central Florida (Orlando / I-4 Corridor), Q2 2026. Adjust ±10–15% for other FL markets (South FL typically higher; Panhandle lower).
5.2	Florida has NO state prevailing wage law. Open-shop rates assumed. If federally funded (FTA, FHWA), Davis-Bacon applies — update base wages in Section 2 (typically +70–100%).
5.3	Equipment rental rates reflect Central FL market. Strong availability due to SunRail, I-4 Ultimate, and active regional construction. Update Section 1 daily rates from current quotes.
5.4	Fuel assumed at $3.85/gallon diesel embedded in daily rental rates. Significant fuel moves (>$0.50/gal) should be re-escalated in Section 1 daily rates.
5.5	Disposal fees (Key Inputs 0.8 & 0.9) assume non-hazardous, uncontaminated material. FL DEP review required for soils in wellfield protection zones; remediation excluded.
5.6	Haul cycle time (Sec. 4 row 4.8) assumes 6-mile average to facility. Adjust cycle time input for actual distance — +0.2 hrs per additional 5-mile increment.
5.7	SunRail (FDOT District 5) coordination: restricted work windows may limit production to nights/weekends — reduce shift hours (Key Input 0.2) and apply 15–25% labor premium to base wages.
5.8	Summer thunderstorm risk (June–Sept) may reduce effective daily production by 5–10%. Build schedule float or use conservative production rate in Key Input 0.6/0.7.

Prepared: April 13, 2026 | Blue = hardcoded input | Black = formula (auto-recalculates) | Green = output feeding Cost Estimate sheet | Verify Section 1 & 2 rates against current RSMeans / AGC FL wage survey before bid.

UTILITY LOCATION, EXPOSURE, MAPPING & CONFLICT RELOCATION

Vacuum Excavation | GPR/EM Locating | Drain, Valve & Cleanout Relocation | Pavement Restoration

roject: Elevated Rail Station — Utility Conflict Resolution **Prepared By:** Estimating **Date:** April 14, 2026

SCOPE QUANTITIES

Item	Scope Item	Quantity	Unit	Notes
1	Project Area	10,000	SY	*Total footprint under elevated structure*
2	Vacuum Pothole Exposures	75	EA	*Anticipated conflict locations requiring pot-holing*
3	Drain Relocations	10	EA	*Storm drains conflicting with proposed paving grades/limits*
4	Valve / Valve Box Relocations	6	EA	*Water main valves and valve boxes within paving footprint*
5	Sanitary Cleanout Relocations	5	EA	*Sanitary lateral cleanouts within paving footprint*
6	Pavement Patching — Restoration	75	SY	*At vacuum pothole locations + relocation trench repairs*

DETAILED COST ESTIMATE

Item #	Description of Work	Quantity	Unit	Unit Cost ($/Unit)	Extended Amount ($)	Basis / Notes
GENERAL CONDITIONS & MOBILIZATION						
1.01	Mobilization & Demobilization	0	LS	$18,000.00	-	*Vac truck, service trucks, GPR unit; assumes <30-mile transport from base*
1.02	Site Setup, Temporary Traffic Control & Barriers	1	LS	$12,000.00	$12,000	*MOT plan, signage, temporary barriers; coordinate with SunRail & FDOT District 5*
1.03	Utility Coordination, 811 Notification & Pre-Con Meetings	1	LS	$5,500.00	$5,500	*Sunshine 811 marking, utility owner meetings, conflict matrix preparation*
1.04	Utility As-Built Mapping & Documentation	1	LS	$8,500.00	$8,500	*Survey crew; GPS utility positions; AutoCAD/GIS deliverable per FDOT D5 standards*
1.05	General Conditions (PM, Super, Safety, Permits, Bonds — 30 days)	1	LS	$35,000.00	$35,000	*PM $65/hr part-time + Super $52/hr full-time × 30 days + safety + permits*
VACUUM EXCAVATION — UTILITY EXPOSURE						
2.01	GPR / EM Utility Locating Sweep	10,000	SY	$0.83	$8,336	*Formula-driven: see L&E Sec.4 row 4.11 — adjust locating prod. rate (Key Input 0.15)*
2.02	Vacuum Excavation — Pothole Exposure	75	EA	$848.40	$63,630	*Formula-driven: see L&E Sec.4 row 4.4 — adjust potholes/day (Key Input 0.9)*
UTILITY CONFLICT RELOCATIONS						
3.01	Storm Drain Relocation (includes saw-cut, excavate, replumb, patch	10	EA	$5,004.00	$50,040	*Formula-driven: see L&E Sec.4 row 4.6 — adjust hours/EA (Key Input 0.10)*
3.02	Valve / Valve Box Relocation (includes owner coordination & shutoff)	6	EA	$6,004.80	$36,029	*Formula-driven: see L&E Sec.4 row 4.7 — adjust hours/EA (Key Input 0.11)*
3.03	Sanitary Cleanout Relocation (FL licensed plumber required)	5	EA	$3,502.80	$17,514	*Formula-driven: see L&E Sec.4 row 4.8 — adjust hours/EA (Key Input 0.12)*
PAVEMENT RESTORATION						
4.01	Pavement Patching & Restoration (saw-cut, remove, base, tack, compact)	75	SY	$100.21	$7,516	*Formula-driven: see L&E Sec.4 row 4.13 — adjust prod. rate + material cost (Inputs 0.13–0.14)*

SUBTOTAL — Direct Construction Cost	**$244,065**
Contractor Overhead & Profit (15% — ref L&E Key Input 0.16)	**$36,610**
ESTIMATED PROJECT TOTAL	**$280,674**
Unit Cost per Square Yard (basis: 10,000 SY)	**$28.07**

KEY ASSUMPTIONS & QUALIFICATIONS

- Equipment: (1) vacuum excavation truck (1,200-gal), (2) service/support trucks, (1) GPR/EM locating unit, saw cutter, and compactor.
- Labor: Vac truck operator (CDL+confined-space), utility crew foreman (OSHA 30), FL-licensed plumber, (2) utility laborers, (2) survey technicians.
- Production basis: 5 vacuum potholes per day; drain relocation 20 hrs/EA; valve relocation 24 hrs/EA; cleanout relocation 14 hrs/EA; patching 8 SY/hr.
- Estimate EXCLUDES: dewatering, environmental testing/remediation, permit fees payable to utility owners or AHJ, mainline pipe replacement, MOT plan engineering.
- Utility owner coordination (OUC, Orange County Utilities, FDOT, etc.) assumed concurrent with field work; utility shutdown windows not included in unit costs — add standby if required.
- Pricing basis: Q2 2026 Central Florida open-shop market. Davis-Bacon applies if federally funded — update Section 2 base wages on L&E sheet accordingly.

Prepared: April 14, 2026 | This estimate is based on assumed scope and site conditions. Field verification and utility owner coordination required prior to bid.

LABOR & EQUIPMENT COST ASSUMPTIONS

Utility Location, Exposure, Mapping & Relocation | Q2 2026 Central Florida Market

SECTION 0 — KEY SCALAR INPUTS (blue = change these to recalculate the entire estimate)

#	Assumption / Parameter	Input Value	Unit		Notes
0.1	Payroll Burden & Benefits Rate	35.0%	rate		*35% of base = FICA+WC+benefits; FL open-shop market*
0.2	Shift Length	10	hrs/day		*Standard 10-hr shift; reduce if restricted by SunRail service windows*
0.3	Project Duration	20	work. days		*Includes utility locating, exposure, mapping & relocation phases*
0.4	Vacuum Excavation Truck — Daily Rate	3,000	$/day		*Trailer-mounted, 1,200-gal debris tank; includes operator in Section 1*
0.5	Support / Service Truck — Daily Rate	450	$/day		*Per truck; crew transport, tools, and spoil management*
0.6	GPR Locating Unit — Daily Rate	950	$/day		*Ground-penetrating radar; 1,600 MHz for shallow utilities (<6 ft)*
0.7	Pavement Saw Cutter — Daily Rate	350	$/day		*Walk-behind diamond-blade wet saw for patch saw-cutting*
0.8	Plate Compactor — Daily Rate	165	$/day		*For sub-base compaction at patch locations*
0.9	Vacuum Pothole Production Rate	5	EA/day		*Potholes exposed per day; 5 typical for urban site with good access*
0.10	Drain Relocation — Hours per EA	20	hrs/EA		*Saw-cut, excavate, replumb, backfill, restore; assumes LF<10 of new pipe*
0.11	Valve / Valve Box Relocation — Hours per EA	24	hrs/EA		*Includes utility-owner coordination, pressure shutoff, thrust blocks*
0.12	Sanitary Cleanout Relocation — Hours per EA	14	hrs/EA		*Assumes lateral cleanout; add hours for deep mainline work*
0.13	Pavement Patching Production Rate	8	SY/hr		*Includes saw-cut, remove, tack coat, compact; 2-person crew*
0.14	Patch Material Cost	85	$/SY		*Type SP-12.5 asphalt + base course material; delivered & placed*
0.15	GPR / EM Locating Production Rate	250	SY/hr		*Sweep rate for combined GPR + EM scan in 2-ft grid; dense utility area*
0.16	Overhead & Profit Rate	15.0%	rate		*Applied to direct cost subtotal on Cost Estimate sheet*

SECTION 1 — EQUIPMENT RENTAL RATES (bare rental; hourly = daily ÷ shift hrs)

#	Equipment Description	Daily Rate	Hourly Rate (÷ shift hrs)	Unit	Notes
1.1	Vacuum Excavation Truck (1,200-gal, trailer-mounted)	$3,000.00	$300.00	$/day	*Rate includes debris disposal; truck-mount alt. add $500/day*
1.2	Support / Service Truck (per truck)	$450.00	$45.00	$/day	*4×4 crew cab; tool storage; 2 trucks anticipated for relocation crew*
1.3	GPR Locating Unit (GSSI SIR-4000 or equal)	$950.00	$95.00	$/day	*Includes EM locator (Radiodetection RD8100); dual-method scan*
1.4	Walk-Behind Pavement Saw (diamond blade, wet)	$350.00	$35.00	$/day	*For saw-cutting existing pavement at patch limits*
1.5	Plate Compactor (forward-plate, 200 lb)	$165.00	$16.50	$/day	*Lift compaction at backfill and patch sub-base locations*

SECTION 2 — LABOR RATES (all-in = base + burden; burden % from Key Input 0.1)

#	Labor Classification	Base Wage ($/hr)	Burden (base × 0.1)	All-In Rate ($/hr)	Notes
2.1	Vacuum Truck Operator (CDL + confined-space cert.)	$40.00	$14.00	$54.00	*CDL Class B required; confined-space entry cert; FL open-shop rate Q2 2026*
2.2	Utility Crew Foreman (OSHA 30 + competent person)	$48.00	$16.80	$64.80	*Excavation competent person per OSHA 1926.652; utility marking familiarity*
2.3	Licensed Plumber / Pipefitter (FL State License)	$52.00	$18.20	$70.20	*FL CFC or CW license req. for sanitary & pressure pipe; verify scope with FDEP*
2.4	Utility Laborer (OSHA 10)	$26.00	$9.10	$35.10	*General utility excavation labor; hand-digging & backfill at conflict zones*
2.5	Survey Technician (NICET II or FL PSM intern)	$42.00	$14.70	$56.70	*GPS + total station; field-collects utility positions for as-built mapping*
2.6	Project Superintendent (off tools)	$52.00	$18.20	$70.20	*Full-time site oversight; cost included in General Conditions line item*
2.7	Project Manager (office + site)	$65.00	$22.75	$87.75	*Utility owner coordination, permit submittals, progress reporting*

SECTION 3 — ALL-IN CREW RATES (equipment hourly + combined labor; driven by Sections 1 & 2)

#	Crew Composition	Equipment ($/hr)	Labor ($/hr)	All-In Rate ($/hr)	Derivation
3.1	Vacuum Excavation Crew (vac truck + operator + 2 laborers)	$300.00	$124.20	**$424.20**	*Vac truck hourly (row 26) + operator (row 34) + 2× laborer (row 37)*
3.2	Relocation Crew (svc truck + foreman + plumber + 2 laborers)	$45.00	$205.20	**$250.20**	*Svc truck (row 27) + foreman (row 35) + plumber (row 36) + 2× laborer*
3.3	Locating Crew (GPR unit + 2 survey technicians)	$95.00	$113.40	**$208.40**	*GPR hourly (row 28) + 2× survey tech (row 38)*
3.4	Pavement Patching Crew (saw + compactor + 2 laborers)	$51.50	$70.20	**$121.70**	*Saw (row 29) + compactor (row 30) + 2× laborer (row 37)*

SECTION 4 — PRODUCTION RATES & UNIT COST DERIVATION (all formulas, driven by Sections 0–3)

#	Parameter	Calculated Value	Unit		Formula / Notes
4.1	Shift Length (ref Key Input 0.2)	10.0	hrs/day		*Shift length — reference to Key Input 0.2*
4.2	Vacuum Crew All-In Rate	$424.20	$/hr		*Full vac crew all-in rate from Section 3 row 44 (truck + op + 2 lab)*
4.3	Hours per Pothole	2.0	hrs/EA		*=4.1 ÷ Key Input 0.9 → productive hours allocated per pothole*
4.4	**VACUUM POTHOLE Unit Cost ▶ feeds Cost Estimate**	**$848.40**	$/EA		*=4.2 × 4.3 → vacuum pothole unit cost ▶ feeds Cost Estimate*
4.5	Relocation Crew All-In Rate	$250.20	$/hr		*Full relocation crew all-in rate from Section 3 row 45 (svc+foreman+plumber+2 lab)*
4.6	**DRAIN RELOCATION Unit Cost ▶ feeds Cost Estimate**	**$5,004.00**	$/EA		*=4.5 × Key Input 0.10 → drain relocation unit cost ▶ feeds Cost Estimate*
4.7	**VALVE RELOCATION Unit Cost ▶ feeds Cost Estimate**	**$6,004.80**	$/EA		*=4.5 × Key Input 0.11 → valve relocation unit cost ▶ feeds Cost Estimate*
4.8	**CLEANOUT RELOCATION Unit Cost ▶ feeds Cost Estimate**	**$3,502.80**	$/EA		*=4.5 × Key Input 0.12 → cleanout relocation unit cost ▶ feeds Cost Estimate*
4.9	GPR Unit Hourly Rate	$95.00	$/hr		*GPR unit hourly rate from Section 1 row 28 (daily ÷ shift hrs)*
4.10	Locating Crew All-In Rate	$208.40	$/hr		*Full locating crew from Section 3 row 46 (GPR + 2 survey techs)*
4.11	**UTILITY LOCATING Unit Cost ▶ feeds Cost Estimate**	**$0.83**	$/SY		*=4.10 ÷ Key Input 0.15 → locating survey unit cost per SY ▶ feeds Cost Estimate*
4.12	Pavement Patching Crew Rate	$121.70	$/hr		*Patching crew rate from Section 3 row 47 (saw + compactor + 2 lab)*
4.13	**PAVEMENT PATCHING Unit Cost (incl. materials) ▶ feeds Cost Estimate**	**$100.21**	$/SY		*=(4.12 ÷ Key Input 0.13) + Key Input 0.14 → labor+equip+materials ▶ feeds Cost Estimate*

SECTION 5 — MARKET & SCOPE QUALIFICATIONS

5.1	Geographic basis: Central Florida (Orlando / I-4 Corridor), Q2 2026. FL open-shop labor rates. Davis-Bacon applies if federally funded — update base wages in Section 2 accordingly.
5.2	Utility locating assumes full GPR + EM dual-scan sweep. Results must be field-verified by vacuum exposure; locating accuracy is typically ±18" horizontal per ASCE 38-22 Quality Level B.
5.3	Vacuum excavation production (Key Input 0.9) assumes clear above-grade access under the elevated structure. Column spacing and debris accumulation may reduce daily output — adjust accordingly.
5.4	Relocation hours (Key Inputs 0.10–0.12) assume minor conflicts (<10 LF pipe run). Deeper utilities, casing requirements, or mainline work will significantly increase hours — verify with field investigation.
5.5	Sanitary cleanout and gravity drain relocations require FL DEP notification if connected to municipal system. Licensed CFC or CW contractor required; inspection by AHJ may add schedule time.
5.6	Valve relocations must be coordinated with the utility owner (OUC, Orange County Utilities, or applicable authority). Shutoff window, traffic control, and bacteriological testing are excluded unless noted.
5.7	Pavement patching material rate (Key Input 0.14) assumes standard SP-12.5 Superpave mix. Match existing cross-section; base rock replacement costs excluded — add $18–25/SY if base rock is disturbed.
5.8	All pothole locations and utility as-builts should be delivered in AutoCAD or GIS format per FDOT District 5 standards. Survey sub-contractor markup and data deliverable costs included in utility mapping LS item.

Prepared: April 14, 2026 | Blue = input | Black = formula | Green = output feeding Cost Estimate | Verify equipment rates from local rental quotes; verify labor rates against current AGC FL wage survey.

Greater Orlando Aviation Authority

Published By: Ben Brown
Reviewed By: John Bayley

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	H-00414, Under Train Station Parking Rehabilitation (D/B)	DATE:	4/28/26
CONTRACTOR:	The Middlesex Corporation		
A/E:	(D/B) C&S Engineers, Inc.		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Aiport Team (BAT) initiative (RCO 1). Accelerated Design and Early Works. Provide labor, equipment and materials to compensate for early works which will include site mobilization, initial set up of maintenance of traffic, install erosion control measures, complete demolition of the existing gravel and subgrade to prepare for paving installation, and locate and survey all existing utilities within the site limits. This item will also include the Early Work Design (60%) phase for the project.

ADD: $1,290,166

Item #2 – Allowance Reduction – Reduce the allowance by ($1,290,166) from $4,200,000 to $2,909,834 to cover the cost of the Item #1 above.

Adjust the allowance to account for the Accelerated Design and Early Works

Deduct: ($1,290,166)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - The project is to establish an allowance to design and construct various scopes of work to support the 2026 Beautiful Airport Team initiative including paving the areas that are gravel along with lighting and signage under the train station, and other work as needed around the Intermodal Transit Facility (ITF). This item will allow for early start of construction prior to the completion of the project design. Although the outline of the project is currently known, the exact limits and layout have not yet been established. The most important facet of this approval will be to start the formal design effort. This item includes the complete of the 60% design submittal. This project will construct approximately 150 parking spaces.

Item #2 – Allowance Reconciliation – This adjusts the allowance amount to accommodate for the accelerated design and early works. The balance of the allowance will be used for the construction phase.

SOURCE OF FUNDS:	Operations & Maintenance Funds (O&M)	
Is above change within the intended scope of the original contract? Yes ☒ No ☐ EXPLAIN:		
Bulletin(s) or RFI(s) resolved by this CO:	N/A	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		(Copy Attached)
Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO? Yes ☐ No ☐		
If No, EXPLAIN what is excluded and why:		
Contractor's Original RCO Submission	$ 1,390,130	

Greater Orlando Aviation Authority

Published By: Ben Brown
Reviewed By: John Bayley

GOAA/OAR Estimate	$ 1,029,239.20		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$
(d) Total Cost Impact of this Change (d = a + b + c)			**$**
Is there any potential backcharge to the A/E? Yes ☐ No ☐		Omissions	$
		Errors	$
PREPARED BY: Ben Brown			PHONE:

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

John Bayley, PMP, C.M.
Project Manager, BHS
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, FL 32824

April 21, 2026

Re: GOAA H-414 Under Train Station Parking Rehabilitation Design/Build Accelerated Design and Early Works Package Pricing Rev02

Dear Mr. Bayley,

The Middlesex Corporation (TMC) respectfully submits the following detailed pricing proposal for the Accelerated Design and Early Works Package for the design and construction of approximately 150 parking spaces beneath the South APM Train Station at Orlando International Airport (MCO).

This submission is intended to support fast-track execution and schedule acceleration by enabling concurrent design and construction activities. The total lump sum proposal for the Accelerated Early Works Design and Early Works Construction is **$1,290,166**. Attached is a detailed breakdown of the pricing with supporting documentation, and a proposed Schedule of Values (SOV), that can be finalized after the Change Order is executed. The scope covered by this proposal is as follows:

Accelerated Early Works Design Package

- Survey verification
- Concept grading & drainage plans
- Early release civil drawings (60–80%)
- Utility conflict review
- City of Orlando Electrical Permit initiation
- Constructability review

Early Works Construction

- Mobilization
- Maintenance of Traffic (MOT)
- Installation and maintenance of erosion and sediment control measures in accordance with permitting requirements
- Clearing & grubbing
- Selective demolition of existing asphalt pavement and curb
- Rough grading and subgrade preparation, including proof rolling and compaction as required

Qualifications

- No hazardous material removal or unforeseen subsurface conditions are included
- Cleared and grubbed stone and base material/dirt is estimated to be hauled to a location on GOAA property within 10 miles of the project site
- Cleared and grubbed stone will not be clean; it will be mixed with dirt and filter fabric
- The estimated number of parking spaces (150) is based on a preliminary assessment. A detailed evaluation is needed to finalize the number of parking spaces
- This pricing excludes utility relocations, which will be evaluated upon completion of detailed design and field verifications

Please feel free to reach out to me with any questions regarding this proposal.

Sincerely,

THE MIDDLESEX CORPORATION

Peter Donkor
Sr. Project Manager

Cc. Neil Mulrooney – Sr. VP of Construction
Cary Strzepek – VP of Construction Southeast
Jake Shumway – Project Manager

CHANGE ORDER ESTIMATED COST SUMMARY

TMC Project #:	2129	*Estimator:*	P.D.
Contract #:	H-414	Estimate #:	1
Financial Project #:	N/A	Revision #:	0
Contract Description:	Under Train Station Parking Rehabilitation Design/Build	Date:	4/21/2026
Owner:	GOAA		

Brief Scope of Work: H-414 Under Train Station Parking Rehabilitation Design/Build

Does this Change affect the Contract Time? Yes **If so, number of days (+/-):** 60

WORK DESCRIPTION			LABOR	MATERIAL	EQUIP.	SUBS	OTHER	SUBTOTAL
Summary By Discipline from Details Page:			$ 505,357.30	$ 8,384.42	$ 410,634.20	$ 240,864.00	$ 4,783.37	**$ 1,170,023.30**
Markups:								
Direct Labor		10.0%	$ 50,535.73					**$ 50,535.73**
Materials		6.0%		$ 503.07			$ 287.00	**$ 503.07**
Equipment		10.0%			$ 41,063.42			**$ 41,063.42**
Subcontracts		6.0%				$ 14,451.84		**$ 14,451.84**
Sales Tax	$25	6.0%		$ 528.07				**$ 528.07**
SUBTOTALS:			**$ 555,893.03**	**$ 9,415.56**	**$ 451,697.62**	**$ 255,315.84**	**$ 5,070.37**	**$ 1,277,392.43**

UNIT PRICE ADJUSTMENTS	Quantity	Unit Measure	Unit Price	SUBTOTAL
Pay Item:				$ -
None				$ -
SUBTOTAL:				$ -

UNIT PRICE ADJUSTMENTS			SUBTOTALS
	Estimate Subtotal		**$ 1,277,392.43**
	Unit Price Subtotal		**$ -**
	Insurance & Bond	1.0%	**$ 12,773.92**
TOTAL PROPOSAL COST:			**$1,290,166**

THE MIDDLESEX CORPORATION

Peter Donkor
Sr. Project Manager

CHANGE ORDER ESTIMATE DETAILS

Description: H-414 Under Train Station Parking Rehabilitation Design/Build

TMC Project #: 2129
Date: 04/21/26
Estimator: P.D.
Estimate #: 1
Revision #: 0

Type	#	DESCRIPTION	QTY	UM	UNIT PRICE	LABOR	"L"	MATERIAL	"M"	EQUIP	"E"	SUB	"S"	OTHER	"O"	TOTAL
		Accelerated Early Works Design Package														
S	1	Accelerated Early Works Design Package (C&S)	1.0	LS	$ 122,184.00	$ -		$ -		$ -		$ 122,184.00		$ -		**$ 122,184.00**
L	1	Survey - Crew	120.0	HR	$ 216.01	$ 25,921.20		$ -		$ -		$ -		$ -		**$ 25,921.20**
		Mobilization														
L	1	Crew Leader	50.0	HR	$ 74.10	$ 3,705.00		$ -		$ -		$ -		$ -		**$ 3,705.00**
L	2	Laborer - Skilled	50.0	HR	$ 35.06	$ 3,506.00		$ -		$ -		$ -		$ -		**$ 3,506.00**
L	1	Truck Driver	50.0	HR	$ 42.30	$ 2,115.00		$ -		$ -		$ -		$ -		**$ 2,115.00**
E	1	Truck - Combined - Low Bed w/ Tractor	50.0	HR	$ 93.91	$ -		$ -		$ 4,695.50		$ -		$ -		**$ 4,695.50**
		Maintenance of Traffic (MOT) - Initial Setup and Maintenance for Project Duration												$ -		
L	1	Crew Leader	50.0	HR	$ 74.10	$ 3,705.00		$ -		$ -		$ -		$ -		**$ 3,705.00**
L	3	Laborer - Skilled	176.0	HR	$ 35.06	$ 18,511.68		$ -		$ -		$ -		$ -		**$ 18,511.68**
E	1	Truck - 1/2 Ton	50.0	HR	$ 17.69	$ -		$ -		$ 884.50		$ -		$ -		**$ 884.50**
E	1	Truck - 3/4 Ton	176.0	HR	$ 25.22	$ -		$ -		$ 4,438.72		$ -		$ -		**$ 4,438.72**
E	1	Sweeper - Broom	176.0	HR	$ 88.43	$ -		$ -		$ 15,563.68		$ -		$ -		**$ 15,563.68**
M	1	Bob's Barricades - Rental Devices	1.0	LS	$ 1,535.00	$ -		$ 1,535.00		$ -		$ -		$ -		**$ 1,535.00**
														$ -		
		Erosion and Sediment Control												$ -		
L	1	Crew Leader	100.0	HR	$ 74.10	$ 7,410.00		$ -		$ -		$ -		$ -		**$ 7,410.00**
L	6	Laborer - Skilled	100.0	HR	$ 35.06	$ 21,036.00		$ -		$ -		$ -		$ -		**$ 21,036.00**
M	1	Material	2.0	LS	$ 3,424.71	$ -		$ 6,849.42		$ -		$ -		$ -		**$ 6,849.42**
														$ -		
		Site Demo, Rough Grading & Subgrade Preparation												$ -		
L	2	Crew Leader	480.0	HR	$ 74.10	$ 71,136.00		$ -		$ -		$ -		$ -		**$ 71,136.00**
L	6	Laborer - Skilled	480.0	HR	$ 35.06	$ 100,972.80		$ -		$ -		$ -		$ -		**$ 100,972.80**
L	2	Truck Driver	480.0	HR	$ 42.30	$ 40,608.00		$ -		$ -		$ -		$ -		**$ 40,608.00**
L	2	Oper - Excavator	480.0	HR	$ 47.29	$ 45,398.40		$ -		$ -		$ -		$ -		**$ 45,398.40**
L	1	Oper - Dozer	480.0	HR	$ 47.29	$ 22,699.20		$ -		$ -		$ -		$ -		**$ 22,699.20**
L	2	Oper - Loader	480.0	HR	$ 43.29	$ 41,558.40		$ -		$ -		$ -		$ -		**$ 41,558.40**
L	1	Oper - Roller	480.0	HR	$ 37.23	$ 17,870.40		$ -		$ -		$ -		$ -		**$ 17,870.40**
E	2	Excavator - CAT 305 - Mini	480.0	HR	$ 61.49	$ -		$ -		$ 59,030.40		$ -		$ -		**$ 59,030.40**
E	1	Dozer - CAT (D3) 74 hp	480.0	HR	$ 102.93	$ -		$ -		$ 49,406.40		$ -		$ -		**$ 49,406.40**
E	2	Loader - CAT 950 4-5 CY	480.0	HR	$ 66.88	$ -		$ -		$ 64,204.80		$ -		$ -		**$ 64,204.80**
E	2	Skidsteer - Loader Lift Capacity - 3175 lbs	480.0	HR	$ 58.73	$ -		$ -		$ 56,380.80		$ -		$ -		**$ 56,380.80**
E	1	Roller - Vibratory Compactor 66"	480.0	HR	$ 114.70	$ -		$ -		$ 55,056.00		$ -		$ -		**$ 55,056.00**
E	2	Truck - 1/2 Ton	480.0	HR	$ 17.69	$ -		$ -		$ 16,982.40		$ -		$ -		**$ 16,982.40**
E	1	Truck - Water Tanker	480.0	HR	$ 56.58	$ -		$ -		$ 27,158.40		$ -		$ -		**$ 27,158.40**
E	1	Truck - Tri-Axle Dump - 400 HP	481.0	HR	$ 88.38	$ -		$ -		$ 42,510.78		$ -		$ -		**$ 42,510.78**
S	1	Vac Truck - Badger	15.0	DAYS	4,792.00	$ -		$ -		$ -		$ 71,880.00		$ -		**$ 71,880.00**
S	1	Saw Cutting - Speedy Concrete	5.0	DAYS	2,835.00	$ -		$ -		$ -		$ 14,175.00		$ -		**$ 14,175.00**
S	1	Sunrise Hauling	435.0	HR	$ 75.00	$ -		$ -		$ -		$ 32,625.00		$ -		**$ 32,625.00**
		Site Management, Constructability Review and GC's														
L	1	Project Manager	352.0	HR	$ 98.47	$ 34,661.44		$ -		$ -		$ -		$ -		**$ 34,661.44**
L	1	Superintendent	352.0	HR	$ 95.48	$ 33,608.96		$ -		$ -		$ -		$ -		**$ 33,608.96**
L	1	Site Safety Manager	105.6	HR	$ 103.54	$ 10,933.82		$ -		$ -		$ -		$ -		**$ 10,933.82**
E	1	Truck - 1/2 Ton	809.6	HR	$ 17.69	$ -		$ -		$ 14,321.82		$ -		$ -		**$ 14,321.82**
O	1	Field Office Costs	0.67	MNTH	$ 7,139.36	$ -		$ -		$ -		$ -		$ 4,783.37		**$ 4,783.37**
						$ 505,357.30		**$ 8,384.42**		**$ 410,634.20**		**$ 240,864.00**		**$ 4,783.37**		**$ 1,170,023.30**

H-414 Under Train Station Parking Rehabilitation Design/Build SCHEDULE OF VALUES					
PAY ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	MOBILIZATION & GC'S	LS	1	$ 123,564.00	$123,564.00
2	DESIGN	LS	1	$162,915.00	$162,915.00
3	MOT	LS	1	$49,102.00	$49,102.00
4	EROSION CONTROL AND MAINTENANCE	LS	1	$38,825.00	$38,825.00
5	UTILITY LOCATES WITH VAC TRUCK	DAY	15	$5,480.76	$82,211.00
6	SITE DEMO, STONE REMOVAL, & DISPOSAL	LS	1	$208,387.00	$208,387.00
7	REMOVAL AND DISPOSAL OF BASE MATERIAL UNDER STONE	LS	1	$458,452.00	$458,452.00
8	ROUGH GRADING AND SUBGRADE PREPARATION	LS	1	$166,710.00	$166,710.00
TOTAL					**$1,290,166.00**

SENT VIA EMAIL ONLY

March 25, 2026

The Middlesex Corporation
Peter Donkor | Senior Project Manager
10801 Cosmonaut Blvd.
Orlando, FL 32824

Re: Orlando International Airport
H-00414, Under Train Station Parking Rehabilitation (D/B)
Design and Construction Administration Phase Services

C&S File: L94.MKT.PRO

Dear Mr. Donker:

C&S Companies appreciates the opportunity to submit the attached proposal for the Design and Construction Administration Phase Services for the above referenced project. Our team is prepared to start on this fast-paced project when we win it. It is our understanding that we will not start prior to a contract and formal board approval.

The Basic Services described herein shall be completed and be submitted based on the schedule in Schedule A which is included in Attachment No. 01. If you should request any modifications or changes to the general scope or extent of the Project, the time allowed for performance of our services will be adjusted equitably.

In exchange for performance of our design and construction phase services, you agree to pay us for Basic Services a Lump Sum fee for these services per the following tasks:

Accelerated Early Works Design Package	$	122,184.00
Final Design	$	103,374.00
Construction Services	$	67,916.00
C&S Total	**$**	**293,474.00**

In discussion with Middlesex, they will provide any survey that is required.

Our team is prepared to meet this accelerated schedule and bring another successful project to GOAA from both C&S and Middlesex.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

C&S ENGINEERS, INC.

Douglas R. Saunders, P.E., dsaunders@cscos.com
Department Manager

encl:

cc: Jake Shumway, Cary Strzepek

ATTACHMENT NO. 01 - Schedule A – Scope of Work

SCOPE OF WORK
H-00414, Under Train Station Parking Rehabilitation (D/B)
March 25, 2026

Airport Name: **Orlando International Airport**
Services Provided: **Design and Construction Administration**

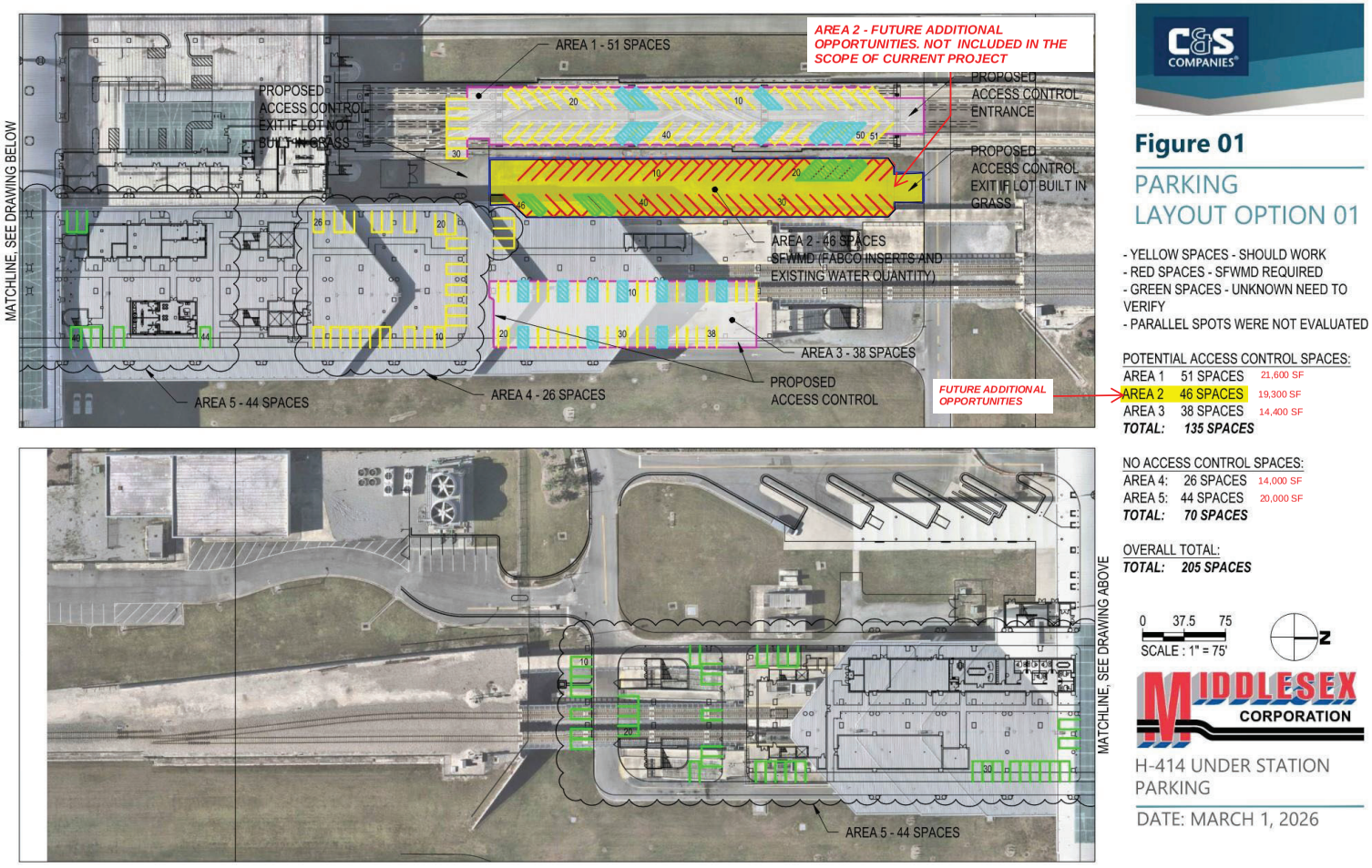
Project Description:
The CONSULTANT shall provide required services to design the H-00414, Under Train Station Parking Rehabilitation (D/B) at MCO project (the "Project").

The project entails the following:

- Construction of approximately 200 space parking lot broken up in multiple areas
  - It is assumed the parking lots / spaces will be paved with asphalt.
- Installation of GOAA Employee access control system.
  - Assume two entrances and two exits for design.
- Maintenance and Protection of Traffic
- Striping
- It is assumed that landscaping will be completed by using the existing stone on the project site as needed. No additional sod, plantings or irrigation are required.
- Installation of cameras
- Installation of electrical lighting as needed
  - It is assumed that Sesco will perform lighting analysis
- Installation of 5-foot high perimeter fence around the access controlled areas.
- Submission to SFWMD is NOT Included.
- See attached scope of work plan
- Assumptions used in preparation of this proposal are included on the last page.

Services to be provided by the CONSULTANT shall include civil engineering services, as applicable, required to accomplish the following items ("Basic Services"):

The design schedule is shown on the following pages but will be adjusted to follow Middlesex and GOAA standards requirements.



C&S COMPANIES®

Figure 01

PARKING
LAYOUT OPTION 01

- YELLOW SPACES - SHOULD WORK
- RED SPACES - SFWMD REQUIRED
- GREEN SPACES - UNKNOWN NEED TO VERIFY
- PARALLEL SPOTS WERE NOT EVALUATED

POTENTIAL ACCESS CONTROL SPACES:

AREA 1	51 SPACES	21,600 SF
AREA 2	46 SPACES	19,300 SF
AREA 3	38 SPACES	14,400 SF
TOTAL:	***135 SPACES***	

NO ACCESS CONTROL SPACES:

AREA 4:	26 SPACES	14,000 SF
AREA 5:	44 SPACES	20,000 SF
TOTAL:	***70 SPACES***	

OVERALL TOTAL:
TOTAL: 205 SPACES

0 37.5 75
SCALE : 1" = 75'

MIDDLESEX CORPORATION

H-414 UNDER STATION PARKING

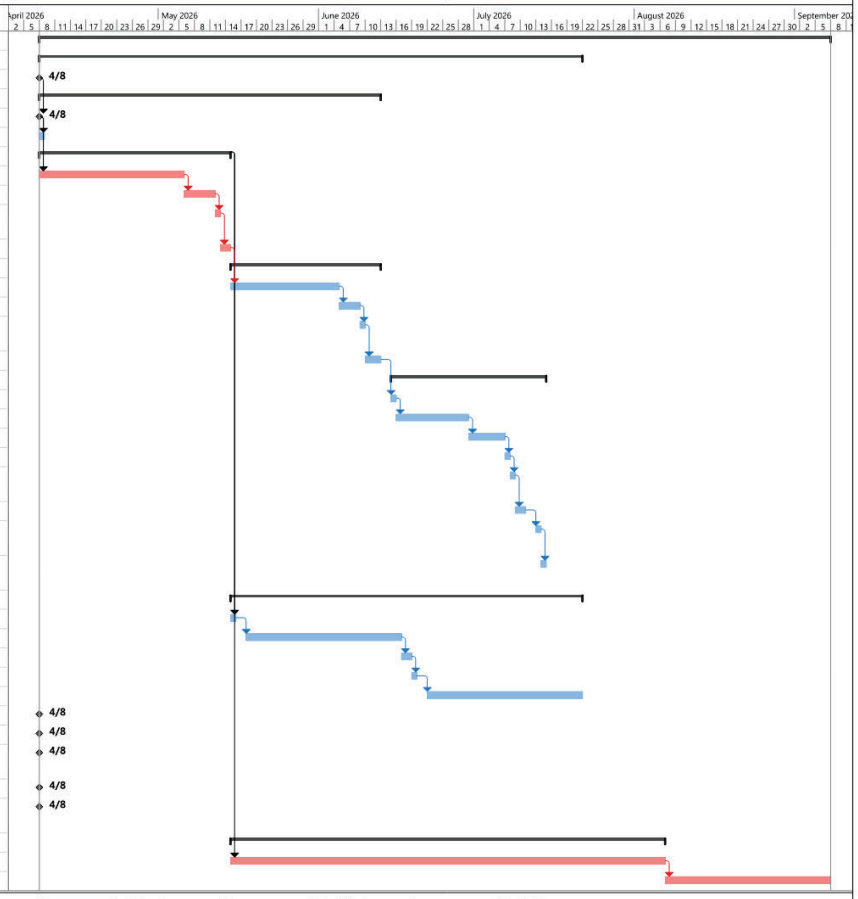
DATE: MARCH 1, 2026

Scope of Work Plan

SCOPE OF WORK
H-00414, Under Train Station Parking Rehabilitation (D/B)
March 25, 2026

H-00414, Under Train Station Parking (D/B)
Design Schedule

ID	Task Mode	Task Name	Working Days	Calendar Days	Start	Finish	Predecessors
1		**Contract Duration**	**109 days**	**153 days**	**Wed 4/8/26**	**Mon 9/7/26**	
2		**Design Schedule**	**75 days**	**105 days**	**Wed 4/8/26**	**Tue 7/21/26**	
3		Notice to Proceed	0 days	0 days	Wed 4/8/26	Wed 4/8/26	
4		**Design Development Phase**	**48 days**	**66 days**	**Wed 4/8/26**	**Fri 6/12/26**	
5		**Start of Design**	0 days	0 days	Wed 4/8/26	Wed 4/8/26	3
6		GOAA Kickoff Meeting	1 day	1 day	Wed 4/8/26	Wed 4/8/26	5
7		**Early Package**	**27 days**	**37 days**	**Wed 4/8/26**	**Thu 5/14/26**	
8		Design	20 days	28 days	Wed 4/8/26	Tue 5/5/26	5
9		QC	4 days	6 days	Wed 5/6/26	Mon 5/11/26	8
10		Submit to Middlesex for Review	1 day	1 day	Tue 5/12/26	Tue 5/12/26	9
11		Discuss with Middlesex	2 days	2 days	Wed 5/13/26	Thu 5/14/26	10
12		**Final Documents**	**21 days**	**29 days**	**Fri 5/15/26**	**Fri 6/12/26**	
13		Design	15 days	21 days	Fri 5/15/26	Thu 6/4/26	11
14		QC	2 days	4 days	Fri 6/5/26	Mon 6/8/26	13
15		Submit to Middlesex for Review	1 day	1 day	Tue 6/9/26	Tue 6/9/26	14
16		Discuss with Middlesex	3 days	3 days	Wed 6/10/26	Fri 6/12/26	15
17		**GOAA Horizontal Permit**	**22 days**	**30 days**	**Mon 6/15/26**	**Tue 7/14/26**	
18		Submit to GOAA	1 day	1 day	Mon 6/15/26	Mon 6/15/26	16
19		Receive comments	10 days	14 days	Tue 6/16/26	Mon 6/29/26	18
20		Resolve comments	5 days	7 days	Tue 6/30/26	Mon 7/6/26	19
21		QC	1 day	1 day	Tue 7/7/26	Tue 7/7/26	20
22		Submit to Middlesex for Review	1 day	1 day	Wed 7/8/26	Wed 7/8/26	21
23		Discuss with Middlesex	2 days	2 days	Thu 7/9/26	Fri 7/10/26	22
24		Submit Construction Documents	1 day	1 day	Mon 7/13/26	Mon 7/13/26	23
25		Receive GOAA Horizontal Permit	1 day	1 day	Tue 7/14/26	Tue 7/14/26	24
26		**City of Orlando Permit**	**48 days**	**68 days**	**Fri 5/15/26**	**Tue 7/21/26**	
27		Submit Electrical to City	1 day	1 day	Fri 5/15/26	Fri 5/15/26	7
28		Receive comments	22 days	30 days	Mon 5/18/26	Tue 6/16/26	27
29		Resolve comments	2 days	2 days	Wed 6/17/26	Thu 6/18/26	28
30		Submit back to City	1 day	1 day	Fri 6/19/26	Fri 6/19/26	29
31		Receive Permit	22 days	30 days	Mon 6/22/26	Tue 7/21/26	30
32		**SFWMD**	**0 days**	**0 days**	**Wed 4/8/26**	**Wed 4/8/26**	
33		Not Applicable. No SFWMD.	0 days	0 days	Wed 4/8/26	Wed 4/8/26	
34		**Other Permits - NOT APPLICABLE**	**0 days**	**0 days**	**Wed 4/8/26**	**Wed 4/8/26**	
35		**OUC Light Coordination**	**0 days**	**0 days**	**Wed 4/8/26**	**Wed 4/8/26**	
36		Not Applicable. Assuming no Light pole relocations	0 days	0 days	Wed 4/8/26	Wed 4/8/26	
37		**Construction**	**60 days**	**84 days**	**Fri 5/15/26**	**Thu 8/6/26**	
38		Substantial Completion	60 days	84 days	Fri 5/15/26	Thu 8/6/26	7
39		Final Completion	22 days	32 days	Fri 8/7/26	Mon 9/7/26	38



Project: Design Schedule
Date: Wed 3/25/26

Task | Summary | Inactive Milestone | Duration-only | Start-only | External Milestone | Critical Split
Split | Project Summary | Inactive Summary | Manual Summary Rollup | Finish-only | Deadline | Progress
Milestone | Inactive Task | Manual Task | Manual Summary | External Tasks | Critical | Manual Progress

Page 1

DESIGN DEVELOPMENT PHASE (80%)

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Acquire and review record documents (such as plans, specifications, reports, and studies) to become familiar with data that is available for the Project.
6. Perform a preliminary Project site inspection to further familiarize the design team with Project areas.
7. Prepare preliminary plans identifying required topographic field surveys, subsurface soils investigations, and other field investigative programs.
8. Acquire the necessary topographic survey of and utility data for the Project site, including related office computations and drafting.
    a. Our team has included a placeholder of $20,000 for this item.
9. An existing basemap will be developed in CAD from all as-built information including any information provided by the surveyor.
10. Conduct site inspections to verify project-related existing physical features and facilities.
11. Develop horizontal pavement geometrical layouts and place sufficient information on drawings to layout proposed parking lot
12. Develop preliminary three-dimensional design in order to develop pavement centerline profiles, typical sections, and other grading details for the proposed work.
13. Develop pavement design for the parking lot.
14. Develop preliminary drainage designs, including computation of surface water runoff volumes, and layout facilities necessary to accommodate expected flows.
15. SFWMD is NOT required.
16. SFWMD is NOT required.
17. Develop fence or other type of barrier layout.
18. Develop electrical design concept in order to power the equipment.
19. Develop lighting details and coordinate with Sesco.

20. Develop fiber design concept to feed the equipment.
21. Develop details for the equipment required in the parking lots for both power and fiber.
22. Develop preliminary parking lot layout.
23. Develop preliminary signage layout.
24. Develop a maintenance and protection of traffic plan that limits interference with the travelling public.
25. Prepare preliminary Contract Drawings (approximately 80% complete) providing sufficient detail for review of design concepts by GOAA. Drawings on 30" x 42" Paper. It is anticipated that the drawings will consist of the following sheets:

Approx. Number of Sheets	Name
1	Cover Sheet
1	Sheet Index and General Notes
1	Legend and Abbreviations
1	Overall Site and Survey Control Plan and Key map
3	Existing Conditions Plan
3	Demolition Plan
1	Demolition Details
3	Grading Plan
3	Geometry Plan
2	Entrance and Exit Lane Details
1	Typical Sections
1	Geometry Point Tables
3	Erosion Control Plan
1	Erosion Control Details
3	Drainage Plan
4	Drainage Details
3	Signage and Marking Plans
2	Signage and Marking Details
5	Maintenance and Protection of Traffic Plans
1	Airspace Critical Locations Plan
2	Maintenance and Protection of Traffic Details
3	Lighting and Power Plan
1	Enlarged Electrical Plan
1	Panel Schedules
2	Lighting and Power Details
3	Low Voltage Technology Plan
2	Technology Enlarged Views

1	Low Voltage Technology Details
1	Network Topology Diagram
1	Low Voltage Responsibility Matrix
60	**Total Sheets**

26. Develop Division 1 documents.
27. Develop technical specifications expected to be required for the proposed work using FAA, FDOT and other sources.
28. Perform an internal quality control review on all design documents.
29. Submit sufficient copies of design development documents to GOAA for their review and comment.
30. Schedule and conduct a design development review meeting to discuss and resolve GOAA comments.
31. Provide written responses to all comments received.

CONSTRUCTION DOCUMENTS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Finalize three-dimensional design in order to finalize pavement centerline profiles, typical sections, and other grading details for the proposed work.
6. Finalize pavement designs.
7. Detail and finalize pavement details, rehabilitation details and pavement sections.
8. Finalize drainage designs and layouts and detail pipe and drainage structure installations.
9. SFWMD is NOT required.
10. Finalize fence or other type of barrier layout.
11. Finalize electrical design concept to power the equipment.
12. Finalize lighting details and coordinate with Sesco.

13. Finalize fiber design concept to feed the equipment.
14. Finalize details for the equipment required in the parking lots for both power and fiber.
15. Finalize preliminary parking lot layout.
16. Finalize preliminary signage layout.
17. Prepare final Contract Drawings on 30" x 42" paper.
18. Finalize Division 1 documents.
19. Finalize written Technical Specifications for all construction materials and installations.
20. Provide documents for GOAA to submit both the construction safety phasing plan and 7460 form electronically to the FAA.
21. Perform final internal quality control review on all design documents.
22. Submit draft final documents to GOAA, FAA and FDOT for final review and comment.
23. Schedule and conduct draft final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
24. Provide written responses to all comments received.
25. Incorporate all draft final review comments into the 100% plans.
26. Schedule and conduct final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
27. Deliver 100% plans to GOAA Engineering department to obtain their approval and stamp.
28. Obtain comments from GOAA Horizontal permit review.
29. Address comments received from GOAA Horizontal permit review.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Design Development Phase (80%)
    i. Pre-design meeting with GOAA / Middlesex
    ii. Weekly coordination meetings with Middlesex
    iii. Technical Review Team (GOAA) (TRT) review meeting
2. Construction Documents
    i. Weekly coordination meetings with Middlesex
    ii. General meeting to discuss phasing and other project elements with GOAA, tenants, and other stakeholders.
    iii. TRT review meeting – draft final
    iv. TRT review meeting - final

CONSTRUCTION ADMINISTRATION AND RECORD DRAWINGS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Provide Middlesex monthly project status reports.
3. Attend the Pre-Construction Conference meeting conducted by the Owner prior to the start of construction activities.
4. Attend the Owner's Job Coordination Meeting (JCM) meetings during the term of the construction contract. These meetings are planned to be held every week. It is assumed that there will be fifteen (15) JCM Meetings.
5. Make visits to the site at intervals appropriate to the various stages of construction to observe.
    a. It is assumed that site visits shall occur on the same day as the JCM meetings listed above.
6. Review and take other appropriate action in respect of Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept for the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.
7. Review requests for information and field changes.
8. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, but subject to the provisions of the Contract Documents.
9. Conduct a final inspection to determine if the completed Work of the Contractor is acceptable.
10. Prepare the Record Documents based upon the As-Built Drawings and Documents received from the contractor.
11. Review all Close-out Documents and Manuals for conformance with the Contract Documents.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Pre-Construction Conference Meeting – 1 meeting
2. JCM Meeting – 15 meetings

3. Site Visits – Concurrent with the JCM Meetings above.
4. Pre-Final Inspection – 1 meeting
5. Final Inspection – 1 meeting

ASSUMPTIONS:
The conditions or considerations in developing the scope and fee for the project described above include:

1. Topographic survey is included in this proposal with a $20,000 placeholder
2. No geotechnical investigation is included in this proposal.
3. No right-of-way or other deed research is included in this proposal.
4. The placement of boundary monumentation is not required.
5. GOAA will supply any deeds, maps, recorded and unrecorded information and an up-to-date abstract of title that will assist in the progress of this project.
6. Soil sampling for contaminants will not be required for this project.
7. It is assumed that existing documentation for the area of work exists and will be provided to C&S upon award of the project.
8. Permitting through the City of Orlando and South Florida Water Management District will be required.

EXCLUSIONS / ADDITIONAL SERVICES

1. Environmental review, NEPA and state, including the collection and review of available documents such as published wetland maps, soil conservation survey maps, and previous master plan and environmental archaeological studies, to identify potential impacts the Project may have on the environment.
2. NEPA or any other environmental compliance reports, studies, and environmental reviews, state or federal.
3. Underground utility locating (soft digs, potholing, etc.)
4. Underground utility inspections using a video camera.
5. Drainage studies, including hydrology or hydraulics unless otherwise identified above in scope of work.
6. All design changes and value engineering efforts after the Design Development Phase is excluded from this scope.

Badger Hydrovac Statement Of Work

United States

RE: Master Services Agreement

Prepared By:	Jennifer Roberts
Email:	jeroberts@badgerinc.com
Phone:	386-507-5910
Date:	03/30/2026
Estimate Number:	CPQ-259510v1
Project Name:	GOAA H-414 Under Train Station Rehab

Badger Daylighting Corp
ORLANDO FL CORP
1019 Shadick Drive Unit B Warehouse E
Orange City, FL 32763
"An equal opportunity employer"

Statement of Work Exclusively For:
THE MIDDLESEX CO.
Account #: 27808
Peter Donkor

pdonkor@middlesexco.com, jshumway@middlesexco.com
+1 (978) 501-2358

Prepared By:
jeroberts@badgerinc.com

03/30/2026

This Statement of Work is entered into with reference to that certain Master Services Agreement by and between THE MIDDLESEX CO. and Badger Daylighting Corp. Unless otherwise provided for herein, this Statement of Work shall be governed by the terms of the Master Services Agreement and the Standard Terms and Conditions referenced therein.

Scope Of Work

The below pricing includes vacuum excavation services for The Middlesex Co.

The DAILY estimate is based on the following scope of work to be completed with a 2-man crew as needed in (12) hours per day for (X) day(s): Hydro excavate potholes locating underground utilities.

Middlesex is responsible for onsite disposal, additional water if needed and clear access to excavation areas.

Badger will provide water and remote hose if needed.

Badger is not responsible for the approximate timeline given due to ground conditions and/or any unforeseen circumstances. The timeline can fluctuate

Note: THIS IS ONLY AN ESTIMATE. True time will be charged.

- Area is to be accessible within (15) feet of Badger unit or remote hose fees will apply.
- A third-party disposition and supply water fees will be applied unless a disposal location and adequate water source are provided by customer.
- All rates are billed port to port from the nearest Badger office.
- Same day cancellation will result in a cancellation fee of $1,500.
- Same day request will result in an emergency callout fee.
- Actual quantities will be billed.

Service Item	Item Description	Unit Cost	UOM	Quantity	Amount
BADGER HYDROVAC WITH OPERATOR	UPTO 8HRS PORT TO PORT, MON-FRI	$270.00	HR	8.0	$2,160.00
BADGER HYDROVAC WITH OPERATOR OVERTIME	OVER 8HRS PORT TO PORT, MON-FRI & ALL DAY SATURDAY	$305.00	HR	4.0	$1,220.00
ADDITIONAL OPERATOR	UPTO 8HRS PORT TO PORT, MON-FRI	$73.00	HR	8.0	$584.00
ADDITIONAL OPERATOR OVERTIME	OVER 8HRS PORT TO PORT, MON-FRI & ALL DAY SATURDAY	$107.00	HR	4.0	$428.00
DISPOSITION	Offsite disposal IF NEEDED	$300.00	EA	0.0	$0.00

CONSUMABLE MATERIALS	Safety supplies per operator	$28.45	EA	2.0	$56.90
FLUCTUATING FUEL RECOVERY	FIXED @ 5%	$228.20	EA	1.0	$228.20
SUPPLY WATER	If not provided onsite	$115.00	EA	1.0	$115.00
REMOTE HOSE	ADS flex hose - per 100' roll	$500.00	EA	0.0	$0.00
SUPPORT TRUCK	Transport remote hose	$250.00	DAY	0.0	$0.00
			Total		$4,792.10

General Notes, Conditions, & Badger Responsibilities:

1. Travel rates apply when traveling from the closest Badger Operation to the client's project site.
2. Badger will off load material at a contracted facility. Travel to and from a designated facility is considered part of the work day and charged at the hourly rate.
3. Any additional third party services provided by Badger Daylighting outside of our typical Hydrovac activities shall be charged out at cost +
4. With any Hydrovac project, there are possible additional charges that are application and site specific. For example, items such as water trucks, specialized equipment and attachments (remote hose, etc.), crew trucks, and other items may be required. Rather than provide an extensive listing of all possible considerations, this is best implemented on a project-by-project basis and evaluated at the field operations level. The information presented in this document represents the complete proposal.
5. This proposal is valid for 30 days from the date posted on this proposal document.
6. Terms of Payment - Net 30 days from date of invoice. Late invoices subject to service fees.
7. Zero (0) % retainage is withheld.
8. Taxes – tax will be added to quote pricing as required by State/Local governments.
9. All invoices will be assessed a Fluctuating Fuel Recover Fee on the entire amount of the invoice. This fee is reviewed regularly and is subject to change. Badger utilizes information from the US Department of Energy and the Canadian Department of Natural Resources when calculating the fee

Customer responsibilities include:

1. Access to the Hydrovac site, including permits and permission from property owners, utilities, and government agents.
2. Surface locates, survey marks and traffic control, if needed unless agreed to in writing prior.
3. Breaking, removal, and restoration of asphalt and or concrete unless agreed to in writing prior.
4. Establish, maintain, and remediate accessible water source and disposal site.
5. Specific direction and locations for Hydrovac excavation.
6. Backfill and site restoration unless agreed to in writing prior to completing work.
7. Materials to secure and cover the excavation unless agreed to in writing prior.
8. Shoring, maintenance, and barricading.
9. Ownership of the soil and debris removed by the Hydrovac including any soils or material contaminated or suspect.
10. Any project delays caused by others that result in downtime of Badger Hydrovac units will be billed at the hourly rates.
11. Pay for all specialized training that is required by contractor/owner/Badger to be on the site to work.
12. Notify Badger of all billing requirements and any appropriate purchase orders, job numbers, AFE, etc. that would be necessary to release payment to Badger. This must be done prior to the first day of work.
13. Notify Badger of any of the following: Certified payrolls, OCIP requirements, prevailing wage.
14. Additional insurance requirements over what Badger already has in place.

Customer Representative		**Badger Representative**	
Printed Name:	_____	Printed Name:	_____
Signature:	_____	Signature:	_____
Date:	_____	Date:	_____

I am authorized to bind the Company

SPEEDY CONCRETE CUTTING, INC.

820 W Gore Str
Orlando, FL 32805
407-786-3766 F 786-3769

FT. LAUDERDALE ♦ ORLANDO ♦ TAMPA
SAVANNAH ♦ COLUMBIA

CUSTOMER COMPANY NAME			
Middlesex Corp.			
CUST NUMBER	COMPANY STREET ADDRESS		
CMID500			
CITY	STATE	ZIP CODE	
	FL		
OFFICE PHONE/XT.	Date	PHONE SCOPE	
978-501-2358	3/30/2026	YES	
BID REQUESTED BY	QUOTED BY		
Peter Donker	Mark		

JOB ADDRESS		CITY	
10412 Jeff Fuqua Blvd		Orlando	
COMPLETE LEGAL JOB NAME		MAP PAGE	
GOAA H-414 Under train Parking			
CROSS STREET/DIRECTIONS & MEETING POINT			
JOB PHONE	Contract Number	JOB NUMBER	
689-312-1956			
JOB ORDERED BY	DATE ORDERED	ORDER TAKEN BY	
Juan Hincapie		Mark	
GENERAL CONTRACTOR	WORK LAYED WHEN QUOTED		
	YES NO		
START DATE	DAY	TIME	CONTACT ON JOB

"OSHA POLICY GOVERNING LOCK OUT TAG OUT PROCEDURES"

To ensure compliance with the OSHA Standards for the Construction Industry governing ELECTRICAL HAZARDS, specifically 1926.41(a)(1), (2) and (3) and to safeguard ANY workers that may come in contact with Electrical Hazards within our areas of work, it is Speedy Concrete Cutting, Inc. policy that ALL electrical circuits within our areas of work be de-energized and Lock Out Tag Out procedures performed OR that utility locates have been performed and proof provided by the customer PRIOR to Speedy Concrete Cutting's performance of work on site. Upon site arrival the SCC operator shall ascertain by inquiry and direct inspection that ALL electrical circuits that may conflict our scopes of work are de-energized and LOTO procedures performed OR that utility locates, performed by a licensed provider, clearly identify ALL of those circuits. This explicit agreement shall be agreed upon and acknowledged by the customer prior to the scheduling of work.

SPEEDY CC SPECIALITY/SHOP EQUIPMENT OPTONS					
PORT UNIT	HOSE		DUNNAGE	QTY.	
SCAFFOLD	TIERS		PLYWOOD	QTY.	
"A" LADDER	FT.		LABORER	QTY.	
POST SHORE	QTY.		OTHER	**Wet Vacuum**	

WATER & ELECTRIC AND CONTRACTOR SUPPORT				
WATER **FT.**	trk	Respirator Required	**no**	
ELECTRIC **FT.**	gen	LABORER	QTY.	
Distance to Trk	100'	PLYWOOD	QTY.	
SCAFFOLD TIERS		SHORING	QTY.	

TOOL	QTY	HOURS	DESCRIPTION OF SAWCUTTING AND REMOVAL SCOPES OF WORK	UNIT PRICE	TOTAL PRICE
			Slab saw		-
					-
			Saw cut asphalt or concrete up to 12" thick		
			Work preformed on a daily rate per operator/ per 8 hour day	1,700.00	
			Provide 2nd man to vacuum and remove slurry		
			Work preformed on a daily rate per operator/ per 8 hour day	1,000.00	
			Fuel Charge		
			Customer to:		
			Provide layout prior to SCC arrival		-
					-
AND CONDITION					
TOTAL HRS.	0			**TOTAL PRICE**	**$**

THE FOLLOWING ITEMS ARE EXCLUDED FROM ANY SPEEDY CONCRETE CUTTING SCOPE(S) OF WORK AND ARE SOLELY THE RESPONSIBILITY OF THE CUSTOMER/CONTRACTOR : 1. Locating, marking, protecting or capping ALL utilities within our areas of work. 2. Protecting and/or cleaning of all surrounding areas to remain from water, dust, etc. 3. Barricading and safeguarding of created openings. 4. Shoring and/or bracing of structural areas to remain. 5. Designation and maintenance of M.O.T. 6. Layout to define the limits of sawcutting, coring or demolition.

STANDARD CONDITIONS: One mobilization during non-overtime, weekday hours is included unless otherwise specified. Delays beyond the control of Speedy Concrete Cutting will be charged as stand-by at a rate of $125.00 per hour. No bonding is included. Current insurance limits are acceptable and no consideration is extended for controlled insurance programs unless otherwise noted. Prices good for 30 days from quoted date and are subject to change pending scopes of work.

TERMS OF PAYMENT: Net 30 days with no retainage held. Monies owed after 30 days are subject to 18% interest per annum. If actions or suit are brought by Speedy Concrete Cutting to collect ANY funds due under this bill, the customer agrees to pay ALL collection costs including reasonable attorney fees.

SPEEDY CC, INC. REPRESENTATIVE	*Mark A. Hart*	**CUSTOMER ACKNOWLEDGEMENT**	

Wall Sawing Core Drilling Wire Sawing Flat Sawing Diamond Grinding Breaking Removal

TMC GOAA 5-WIDE TRAILER COSTS

ITEM	COST	
Trailer	$	3,567.27
Septic	$	1,065.00
Cleaning	$	896.00
GOAA Internet	$	1,495.00
GOAA Phone	$	116.09
TOTAL	$	7,139.36

MBSI
614 E Highway 50 Suite 326
Clermont, FL 34711-3164 US
4079059951
admin@mbsi.com
mbsi.com

Invoice

Modular Building Systems
INTERNATIONAL

BILL TO
Middlesex Corp
Jim Carr

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
201401	01/01/2026	$3,567.27	01/01/2026	Due on receipt	

P.O. NUMBER
127811

SALES REP
P.B.

DATE	DESCRIPTION	QTY	RATE	AMOUNT
	60x60 24 month rental @ $3,175 - TMS-5100AE	1	3,175.00	3,175.00T
	Property Tax	1	174.55	174.55T
	PO 2102.0071			0.00

SUBTOTAL	3,349.55
TAX	217.72
TOTAL	3,567.27
BALANCE DUE	**$3,567.27**

From

Angie Handy, LLC

6964 Tussilago way
Orlando, FL 32822

Delete Logo

To

Middlesex Corporation

11400 Terminal C Service Rd
Orlando, FL 328227

INVOICE

Invoice # 000001160

Invoice Date 01/28/2026

Due Date 01/28/2026

Item	Description	Unit Price	Quantity	Tax	Amount
Service	Cleaning Services 01/19 - 02/01	112.00	4.00	6.50%	448.00
Service	Cleaning Services 02/02 - 02/15	112.00	4.00	6.50%	448.00

New Line

Invoice Notes

Subtotal	896.00
+ Tax (6.50%)	58.24
Total	954.24
Amount Paid	0.00
Balance Due	$954.24

Anderson Rentals, Inc.
PO BOX 765
MIMS, FL 32754-0765
Phone: (321)269-9957
Fax: (321)383-3408
www.potty.com

CUSTOMER NO	001134
INVOICE DATE	2/6/2026
INVOICE NO	0011093791
CUSTOMER PO	
DUE DATE	2/16/2026

Any dispute of charges must be made in writing within 30 days of the invoice date. After 30 days, all charges will be considered valid and due in full. Billing questions may be emailed to AcctRec@anderson-rentals.com. Sales and orders should be directed to Sales@anderson-rentals.com.

DATE	FREQUENCY	DESCRIPTION	QUANTITY	RATE	AMOUNT
New Charges					
Site 001134-0038 - MIDDLESEX CORPORATION - 11400 TERMINAL C SERVICE RD, ORLANDO - PO: 2129.0001					
01/10/2026 - 02/06/2026	Weekly	280 GAL HOLDING TANK	4.00	$250.00	$1,000.00
		FL/Orange Tax			$65.00

Total New Charges: **$1,065.00**

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Anderson Rentals, Inc.
PO Box 765
Mims, FL 32754-0765
Phone: (321)269-9957

CUSTOMER NO	INVOICE DATE	INVOICE NO	NEW CHARGES
001134	2/6/2026	0011093791	$1,065.00
CHECK NO		AMOUNT ENCLOSED	
		$	

Be sure to write your customer number on your check

MIDDLESEX CORPORATION
1 SPECTACLE POND RD
LITTLETON, MA 01460-1128

Spectrum BUSINESS

MIDDLESEX CORPORATION
7401 DOWDEN RD
ORLANDO, FL 32827-6830

Invoice Number:	165152301071425
Account Number:	165152301
Invoice Date:	07/14/25
Due Date:	08/13/25
Security Code:	530232

Summary

Account activity from 07/15/2025 through 08/14/2025 details on following pages

Previous Statement Balance	$1,495.00
Payments	$-1,495.00
07/09/2025	$-1,495.00
Previous Statement Balance Subtotal	**$0.00**
Adjustments	$0.00
Prorated Charges	$0.00
Recurring Charges	$1,495.00
One Time Charges	$0.00
Taxes, Fees & Surcharges	$0.00
Current Charges Subtotal	$1,495.00
BALANCE DUE	**$1,495.00**

Type text here 165152301 - Co. 1
Vendor - 106839 # 4
Job 2129.0001
9000.2040.000 - 7
7401 Dowden Rd
Orlando, FL 32827-6830

HOW TO CONTACT US
For Sales, Support, or Billing questions, please contact us at:
1-888-812-2591

PAYMENT OPTIONS
Checks:
Charter Communications
Box 223085
Pittsburgh PA 15251-2085

ACH/Wire Transfers:
Bank Name: Mellon Bank
ABA Number: 043000261
Account Name: Charter Communications
Account Number: 0001215564
Email remit information to:
DL-CASHMGMT-FL@CHARTER.COM

Credit Cards:
http://enterprise.spectrum.com/billpay

To set up an automatic recurring credit card payment:
Call 1-888-812-2591

Thank you for choosing Spectrum Business for enterprise. We value you as our customer and appreciate your prompt payment.

Note: Payments made after 07/04/2025 may not be reflected in the Payments section of this statement. They will appear on the following month's statement.

RECEIVED
JUL 21 2025

Please detach and enclose this coupon with your payment.

Spectrum BUSINESS
1900 BLUE CREST LN
SAN ANTONIO, TX 78247
6810 0225 NO RP 14 07142025 NNNNNNNY 01 021953 0063

MIDDLESEX CORPORATION
C/O ACCOUNTS PAYABLE
1 SPECTACLE POND RD
LITTLETON MA 01460-1128

ACCOUNT NUMBER 165152301

DUE DATE	08/13/25
PREVIOUS BALANCE SUBTOTAL	$0.00
CURRENT CHARGES SUBTOTAL	$1,495.00
BALANCE DUE	**$1,495.00**
AMOUNT PAID	$ _____

CHARTER COMMUNICATIONS
BOX 223085
PITTSBURGH, PA 15251-2085

0670100100116515230151000149500

MIDDLESEX CORPORATION
Invoice Number: 165152301071425
Account Number: 165152301
Invoice Date: 07/14/25
Due Date: 08/13/25
Security Code: 530232

Spectrum BUSINESS®
Contact Us at
1-888-812-2591

6810 0225 NO RP 14 07142025 NNNNNNNY 01 021953 0063

Charge Details

Previous Statement Balance	$1,495.00
Payments	$-1,495.00
07/09/2025	$-1,495.00
Previous Statement Balance Subtotal	**$0.00**
Adjustments	$0.00
Prorated Charges	$0.00
Recurring Charges	$1,495.00
Dedicated Fiber Internet 100Mbps	$1,495.00
Circuit ID: 40.L1XX.823337..TWCC	
One Time Charges	$0.00
Taxes, Fees & Surcharges	$0.00
Current Charges Subtotal	**$1,495.00**
BALANCE DUE	**$1,495.00**

Billing Information

Late Fee: You may be assessed a late fee for any amounts which are not paid when due. The late fee shall be the lesser of one and one-half percent (1.5%) per month or the highest rate chargeable by law.

Taxes and Fees: Effective July 1, 2025 the Federal Universal Service Fund decreased to 36%.

Greater Orlando Aviation Authority

REMIT TO:
GOAA
PO Box 946634
Atlanta, GA 30394-6634

Invoice#	25013382
Invoice Date	04/16/2025
Agreement#	006820
Contract#	
Company#	00004470
Total Amount	$116.09

The Middlesex Corporation
Ms Mavis Agyekum
11051 Canal Road
Orlando, FL 32827

Orlando International Airport

Line	Description	Amount
1	Telephone Monthly Reimb-Taxable 116.09 @ $1.00 (03/01/2025-03/31/2025)	$116.09
Total Amount Due		**$116.09**

Invoice# 25013382 04/16/2025 Company# 00004470

Telephone charges for March 2025 - due on May 01, 2025

PAYMENT IS DUE WITHIN 15 DAYS OF INVOICE DATE.

PLEASE DIRECT QUESTIONS CONCERNING THIS INVOICE TO GOAA TELECOMMUNICATIONS at (407) 825-3217.
PO # 2096.0022

Docusign Envelope ID: 36FB8D7A-5824-4D32-8F85-6B76B8788313

Purchase Order

The Middlesex Corporation One Spectacle Pond Road, Littleton, MA 01460

Phone: 978-742-4400 Fax: 978-742-4434

PO #: 2129.00170005

Job: 2129.0017 GOAA H-369 - Term. C Enhancements J Hook Pond

Vendor: 105170
BOB'S BARRICADES INC
921 SHOTGUN ROAD

SUNRISE, FL 33326

Required: M/W/DBE? (Y/N) N If Y, MBE/WBE/DBE If Y, Agency?

Contact: Joe Turner Phone: 239-825-4825

Date Ordered: 12/31/25
Ordered By: S.Biswari
Expected Date :
Payment Terms: Net 30 days
TMC Contact: Peter Donker
TMC Phone: 978-501-2358
FOB: Jobsite

Invoice:
The Middlesex Corporation
One Spectacle Pond Road
Littleton, MA 01460 US

Ship To: GOAA H-369 - Term. C Enhancements J Hook Pond
Jobsite

Freight Prepaid? Y Via: Vendor

Delivery Note:

Item	Code	Description	Units	UM	Price	Amount
1	1	Rental - Drums/Barricades (Type II) Job: 2129.0017 Phase: 3471.0320.000 CT: 7 Tax Rate EXEMPT Tax Amt 0.00	9,600.000	ED	0.16E	1,536.00
					Subtotal	1,536.00
					Tax: EXEMPT	0.00
					Total	**1,536.00**

- All items are to be in accordance with the contract plans and specifications.
- The quantities are estimated, the actual quantities required will be determined in the field.
- The above prices include delivery to the jobsite.
- Do not release order for shipment until directed to do so by TMC.
- Delivery to the jobsite shall be closely coordinated with TMC's Project manager.
- An advance notice of 10-15 days shall be provided by the TMC for all deliveries.
- Setup and relocation is excluded and will be done by TMC.
- Sales tax applies to purchase items only.

The Middlesex Corporation:

Signed by: 86A68E589C8842A...

Name	Title	Date
		1/5/2026 | 8:51 AM EST

Vendor Signature:

Signed by: C27DBA799F6F4C1...

Name	Title	Date
John Baldwin	Vice President	1/5/2026 | 8:51 AM EST

Vendor's acceptance of this order is hereby made expressly conditional upon its assent to and acceptance of all terms and conditions on the front and reverse sides of this Purchase Order and additional or different terms and conditions proposed by Vendor are expressly rejected.

Florida only: The Equal opportunity Clauses required by Executive Order 11246, as amended, the Vietnam Era Veteran 's Readjustment Assistance Act of 1974, as amended, 38 U.S.C.4212 (formerly 2012), Section 503 of the Rehabilitation Act of 1973, as amended, and their implementing regulation at 41 CFR Chapter 60 (41 CFR 60-1-4, 41 CFR 60-250.4, and 41 CFR 741.4) are part of this purchase order and binding upon the seller (Subcontractor, Vendor, or Supplier) unless exempted by rules, regulation or orders of the Secretary of Labor.

This purchase order must be executed and returned to Buyer within ten (10) days after the date it was mailed to the Vendor, and, in the event that it is not returned, Vendor agrees to be bound by the terms and conditions at the election of the buyer.

Docusign Envelope ID: 36FB8D7A-5824-4D32-8F85-6B76B8788313

Buyer Initial Initial

Vendor Initial Initial

PURCHASE ORDER TERMS AND CONDITIONS

1. Vendor agrees to be bound by (and require any lower tier vendor to likewise be bound by this Purchase Order and) all items, obligations, and responsibilities of the general contract, including all safety requirements, that pertain to the labor, materials, components, equipment, or services to be furnished and supplied to the Buyer ("Vendor's Work") under this Purchase Order, and Vendor acknowledges that all applicable specifications and contract documents are available for inspection by Vendor at the offices of the Buyer. Vendor shall also be bound by all dispute resolution procedures set forth in the general contract and waives any independent right it may have to proceed pursuant to the Miller Act or similar statute.
2. Time is of the essence for this Agreement, and Vendor warrants that all of the Vendor's Work will be performed and supplied so as not to delay or impede the progress of Buyer's work at any site or location where such work is to be performed (the "Project"). Materials called for in this Agreement are to be furnished promptly when requested by the Buyer. Vendor shall give Buyer reasonable and in no case less than twenty-four (24) hours notice prior to the delivery of any Materials. The Vendor shall send a shipping list with each delivery, and a shipping list and bill of lading with each shipment.
3. If there is any delay as to any aspect of the Project attributable to the failure of the Vendor to properly perform or supply the Vendor's Work for the Project or to make timely delivery thereof, then Vendor shall be liable for all costs and expenses including consequential damages on account of such delay.
4. Vendor agrees that the price set forth in this Purchase Order is firm for the duration of the project for which the materials, labor, equipment or services are to be used.
5. Payment for delivered Materials acceptable to Project Owner shall be made after receipt by Buyer of the executed original copy of this Order, and receipt of Vendor's valid invoice and all applicable written warranties. Payment to Vendor shall be due only after Owner pays Buyer and Buyer's receipt of payment shall be a condition precedent to any payment being due to Vendor.
6. Any payments do not constitute acceptance of the work and is subject to appropriate adjustments should the Vendor fail to meet the requirements of this Purchase Order. Payment will be made using the Comdata virtual MasterCard unless otherwise noted in this Purchase Order or other written agreement executed by both parties.
7. Vendor shall promptly furnish for examination and approval of Owner's Architect and/or Engineer all shop drawings and such samples as may be required. Materials, components, and equipment furnished and the workmanship involved therein shall be in strict accordance with the general contract documents including all drawings, specifications, addenda, and samples and it shall be Vendor's responsibility to furnish or assign all warranties or guaranties that are called for in said specifications with respect thereto.
8. Buyer reserves the right at any time to make changes in writing in the specifications, drawings, or plans relating to this Purchase Order or the time and place of delivery and, if necessary, shall make suitable adjustments in the contract price and/or in the time for performance or delivery under this Purchase Order.
9. To the fullest extent permitted by law, the Vendor hereby acknowledges and agrees that it shall defend, indemnify and hold harmless the Buyer, Owner, any higher-tier contractor of Buyer and any party who Buyer is obligated to indemnify and each of their respective directors, officers, employees, agents, successors, assignees, partners, affiliates, subsidiaries, servants and representatives ("Indemnities") from and against all liability, claims, damages, losses, and expenses, including, but not limited to, reasonable attorneys' fees, to the extent caused by or arising out of the performance of the obligations of this Purchase Order, including without limitation, those caused by any alleged or actual failure or defect in the Materials, or any delivery of Materials, regardless of whether caused in part by a party to be indemnified. The indemnification provisions of this Purchase Order are subject to a monetary limitation of the greater of either: (1) ten times the Purchase Order price or (2) the limits of insurance required under the terms of this Purchase Order. To the extent that any provision or aspect of this Section is deemed unenforceable as a matter of law, that unenforceable portion will be deemed deleted and this clause will then be read as if the unenforceable provision never existed. This indemnification obligation is in addition to that of other provisions of this Purchase Order, including any provisions incorporated herein, and is not a limitation on any other provision
10. Vendor and Vendor's Work shall comply in all aspects with applicable federal, state, and local laws, regulations, ordinances, orders, notices, actions, policies, integrity requirements, license requirements or common laws, applicable to the locality, Project or its Materials, including without limitation those promulgated by OSHA, and Vendor shall hold Buyer harmless from any violations thereof.
11. Vendor agrees that any information needed by it to promptly and expeditiously perform Vendor's work will be sought by written request to Buyer immediately upon the discovery of its need thereof.
12. Buyer or its representatives shall have full and free access to all places of business of Vendor or of the Vendor's suppliers in order that it may inform itself as to the general condition and progress of Vendor's work as herein contemplated.
13. No payment made under this Purchase Order shall be evidence of full performance by Vendor or constitute acceptance of Vendor's work which is defective, incomplete, improper, or not otherwise in conformance with all applicable specifications and contract documents. Further, no substitutions shall be permitted except as may be permitted by the Buyer.
14. In addition to any warranty in fact or implied by law, Vendor expressly warrants that all Materials purchased and delivered hereunder shall be of good quality and free from latent or patent defects, shall be sufficient and suitable for their specified or intended use and shall be in strict accordance with the requirements of the Contract Documents. Any other provision that would limit these representations and warranties is void and superseded by this provision.
15. Buyer shall have the right to deduct from any payments due or to become due Vendor and withhold an amount sufficient to protect and indemnify Buyer from any costs, loss, or damage caused to Buyer by Vendor's failure to perform this Purchase Order in strict accordance with its terms and conditions.
16. Buyer may at any time terminate this Purchase Order in whole or in part by written notice thereof to Vendor. If the termination is for the convenience of the Buyer and Vendor has incurred expenses because of its partial performance including non-cancelable purchase of materials, special preparation, or special fabrication of materials, an adjustment mutually agreed upon between the parties shall be made. Buyer shall not be held liable for any lost profits or other incidental or consequential damages resulting from or relating to said termination. If, however, termination is caused by Vendor's breach of any term or condition hereof including any breach of warranty or for delay or if termination is due to causes beyond the control of the Buyer, Vendor shall have no claim for any costs, expenses, or damages claimed to have been caused by such termination, and Vendor shall become and remain fully liable for any and all damages, costs, or expenses caused to the Buyer by Vendor's breach or default.
17. If Vendor or its agents or employees or lower tier vendors are required to come on to the worksite in connection with the sale of Materials provided by this Agreement, Vendor shall obtain, become familiar with, and strictly adhere to any Buyer and/or project specific safety policies. Any Vendor (including any of its agents or employees or lower tier vendors) not complying with the aforementioned safety policies and with all laws, will be subject to penalty including without limitation termination.
18. If Vendor or its agents or employees or lower tier vendors are required to come on to the worksite in connection with the sale of Materials provided by this Agreement, Vendor shall provide and maintain at Vendor's own expense adequate but not less than required statutory limits for:

    (a) Workers' Compensation coverage for where the work is being performed as well as Employer's Liability coverage;
    (b) Commercial General Liability ("CGL") including coverage extensions for contractual liability, products/completed operations, X.C.U. hazards as applicable, & independent contractors;
    (c) Automobile Liability covering "any auto," or covering all owned, non-owned and hired vehicles used in Vendor's operations. To the extent Vendor performs any trucking services the Automobile Liability coverage must include endorsements MCS90 and CA 9948; and
    (d) To the extent Vendor's Work includes use of drones or Unmanned Aerial Vehicles, Vendor must maintain Aviation Liability coverage of not less than $1,000,000 000 each occurrence and $2,000,000 Annual Aggregate on an "occurrence" and not a claims made basis, including products and completed operations, property damage, bodily injury, personal and advertising injury.

    In addition, before beginning Vendor's Work, Certificates of Insurance ("COI") in a form acceptable to Buyer, copies of additional insurance endorsements, any other insurance documentation Buyer requests, shall be filed with Buyer. Vendor also shall furnish COIs and any other documentation Buyer requests, for all approved lower tier vendors before beginning any work.
19. Any dispute arising under this Purchase Order shall be resolved in a court of competent jurisdiction sitting in Orange County, Florida, except that Buyer may in its sole discretion require arbitration. If Buyer elects arbitration, it will direct Vendor to file that arbitration with either JAMS or AAA in the location of the Project, with a single arbitrator unless the parties agree otherwise. Judgment upon the award rendered by the arbitrator shall be final and may be entered in any court having jurisdiction thereof. This Article shall be specifically enforceable by any court of competent jurisdiction. Vendor consents to being joined by Buyer in any arbitration between Buyer and a third party. Where the matter is litigated in court, the parties hereby waive their right to a jury claim and agree that any dispute between them should be tried by the court.
20. The Buyer's obligation to perform this Purchase Order is expressly made subject to Buyer's executing a contract with the Owner or Awarding Authority and, where necessary, obtaining any written approvals with respect to Vendor from such Owner, Awarding Authority, or their respective Engineers or Architects.
21. To the extent of any inconsistencies in this Purchase Order, including in the event of any inconsistencies among the terms of incorporated documents, the higher, more stringent terms shall apply to Vendor's obligations unless directed otherwise in writing by the Buyer.
22. This Purchase Order contains the entire Agreement between the parties relating to the Vendor's work at the Project and supersedes all previous Agreements between the parties whether written or oral with respect to the subject matter hereof.
23. The formation and interpretation of this Purchase Order, including any dispute arising out of the terms of this Purchase Order, shall be governed by the laws of the State of Florida without regard to any conflict of laws.
24. Form FHWA – 1273 – Revised October 23, 2023, is incorporated into this Purchase Order in its entirety, as required by the Florida Department of Transportation for all contracts receiving federal funds. All provisions of this attachment must be adhered to by the Vendor who will also include these provisions in any lower tier subcontract or purchase order of the Vendor's work under the Purchase Order.

SUNRISE HAULING & EXCAVATING INC.

PROPOSAL / CONTRACT

345 Enterprise Street
Ocoee, FL 34761
Phone:(407) 775-1401
Fax: (407) 395-2331

Date: March 31, 2026
Estimate Number: 33120264
Customer Name: Middlesex Corporation
ADDRESS: 10801 Cosmonaut Blvd
CITY/STATE/ZIP: Orlando Fl, 32824
PHONE: 978-501-2358
E-MAIL: pdonkor@middlesexco.com

PROJECT
GOAA H-414 Under Train Parking Rehab Design & Build

LOCATION
Train Station Parking @ OIA
Orlando Fl

PAYMENT TERMS
Net 30

PREPARED BY:
Alberto Puentes
Regional Sales Manager
sunrisehaulingestimating@gmail.com
Mobile (407)714-0970

MINORITY CERTIFY M.B.E./LDB, ORLANDO AVIATION, ORANGE COUNTY, MWBE CITY OF ORLANDO, DBE/F-DOT

QTY	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY	TOTAL DELIVERED PRICE
Hr	On Site Hourly Rate (8 Hr Minimum)	GOAA Train Parking Rehab	On Site		75.00 Hr
Hr	Hourly Demo Hauling Rate (8 Hr Minimum)	GOAA Train Parking Rehab	Recycler		80.00 Hr.
	Fuel Escalation charge of 1.5% for every 7cents increase from start through duration of Job. Verified by eia.gov lower atlantic fuel website	1.5% Yearly Cost of Living Increase			

MATERIAL BASED ON AVAILABILTY - Rates based on 10 hour dump days

NOTE: ALL Rates based on service upon truck availabilty and/or loading condions at the quarry. Upon acceptance of proposal and before placement of order(s). Please sign and return to our office along with NTO or bond informationvia email. **Plese note that before ordering service for any project you must submit a Notice of Commencement stating all the legal description for that particular project.** Fuel Escalation above, Verified by eia.gov lower atlantic fuel website Please remember that acceptance of proposal **does not** represent an order. To place an order you must contat ouroffice or dispatcher with at leaset one day notice. Prices are subject to change if rate(s) increase from the quarry and or change at the dump site(s). Hauling rates are subject to change depending on current fuel prices. Validation of quoted pricing is subject to proposal being accepted and returned with signature within 30 days of sending date.

SPECIAL PROVISIONS: Prices Quoted are US Tons (Not Metric) Prices Quoted Do Not Allow Retainage

PAYMENT TO BE MADE AS FOLLOWS: NET 30

All work is done with the understanding that the customer is fully responsible to verify that all labor, materials, quantities, equipment, time and all other work furnished meets the requirements of the job stated above. Upon customer satifaction, customer and/or authorized persons will acknowledge by signing the delivery tickets for all work/materials furnished. after the signing of the delivery tickets, customer is fully liable for all work state thereon. There will be no credits issured and no dicrepancies after signing of said tickets. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. This proposal is acceptable within 30 days and is void thereafterat the option of the undersigned. In the event it becomes necessary for Sunrise Hauling & Excavating Inc. to engage the service of an attorney to collect any sums due under this contract, the customer will pay reasonable attorney's fees and all costs in making such collection.

Sign Below to Accept Proposal:

QTY	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY	TOTAL DELIVERED PRICE

Authorized Rep

Date

R. H. Moore & Associates
Soil Stabilization & Erosion Control
7834 Depot Lane | Tampa, Florida 33637
Telephone: (800) 330-2333

QUOTE

QUOTE DATE	3/31/26
QUOTE #	33592
QUOTED BY	Jadon Peterson

PROJECT	Mt Dora Siltworm
BID DATE	
COMPANY	The Middlesex Corp. 1 Spectacle Pond Road Littleton, MA 01460
ATTENTION	Peter & Jake

SHIP TO

FREIGHT TERMS
Plus Freight
EST. DELIVERY TIME
2-3 Days ARO

ITEM	DESCRIPTION	QTY	U/M	UNIT PRICE	LINE TOTAL
2030-180	Siltworm - 9" X 300'	6	ea	489.00	2,934.00
Freight	Freight Estimate to Mt. Dora, FL			300.00	300.00

MATERIAL PRICING DOES NOT INCLUDE SALES TAX

NOTES:
- The above quantities are estimates only and final quantities are the responsibility of the purchaser
- Changes in quantities will require creation of a new quote
- Terms: Net 30 Days (with an open account)
- Above pricing is for materials only
- Materials in stock may be picked up from our Tampa Warehouse location
- Use Tax may be due on purchases delivered or picked up outside of Florida. Please contact the Department of Revenue for instructions on how to file and pay

Please call (800) 330-2333 or send an email to Sales@rhmooreassociates.com if you need more information, technical support or to place your order

PRICING IS FOR MATERIALS ONLY AND DOES NOT INCLUDE INSTALLATION

SUBTOTAL	$3,234.00
TAX (6.5%)	$190.71
ESTIMATED TOTAL	$3,424.71

ACCEPTED BY DATE

SIGNATURE

H-00414 Under Train Station Parking Rehabilitation (D/B) - Design Phase

Rehabilitate parking spaces beneath the Train Station to improve the quality and utility of avaialable space.

OAR ESTIMATE PAY ITEMS AND UNIT COST

ITEM NO.	SPEC NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED TOTAL
1	M-101-1	MOBILIZATION	1	LS		See Below
2	D-101	Design Services (4%)	1	LS	$ 168,000.00	$ 168,000.00
3	D-102	Survey (1%)	1	LS	$ 42,000.00	$ 42,000.00
4	C-100	Safety and Spotting (Protection of existing systems and handwork labor)	45	ED	$ 3,500.00	$ 157,500.00
5	C-101	Temporary Traffic Control	60	ED	$ 600.00	$ 36,000.00
6	C-102	Erosion Control (1%)	1	LS	$ 42,000.00	$ 42,000.00
7	C-103	Site Demolition (See attached sheets for details)	1	LS	$ 366,998.00	$ 366,998.00
8	C-104	Utility Relocation (see attached sheets for details)	1	LS	$ 280,674.00	$ 280,674.00
					SUBTOTAL	$ 1,093,172.00
		MOBILIZATION (10% OF CONSTRUCTION COSTS)	1	LS	10%	$ 109,317.20

TOTAL OAR OPINION OF PROBABLE CONSTRUCTION COSTS* ***$1,202,489.20***

Prepared by Ben Brown, P.E. Loyal Wingman, LLC

LOYAL WINGMAN

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CONSTRAINED EXCAVATION — Brightline RAIL STATION

Removal of 4" Crushed Stone Base + 12" Subgrade Excavation | Total Depth: 16" | Central Florida Market

oject: Brightline Rail Station – Subgrade Demo & Excavation **Prepared By:** Ben Brown **Date:** April 13, 2026

QUANTITY & VOLUME CALCULATIONS

Item	Parameter	Value	Unit	Notes
1	**Project Area**	10,000	**SY**	**10,000 SY total footprint**
	Project Area (converted)	90,000	SF	Project Area * 9 (1 SY = 9 SF)
2	**Stone Layer Thickness (4")**	4	**in**	**Crushed stone ballast/base**
	Stone Volume (bank measure)	1,111.1	CY	SF * thickness / 12 / 27
	Stone Volume – Loose (swell 1.10)	1,222.2	CY	Bank CY × swell factor (Key Input 0.3 on L&E sheet)
	Stone Truck Loads (14 CY capacity)	88	loads	CEILING(loose CY ÷ truck capacity, 1) — truck cap from Key Input 0.5
3	**Soil Excavation Thickness (12")**	12	**in**	**Subgrade soil below stone**
	Soil Volume (bank measure)	3,333.3	CY	SF * thickness / 12 / 27
	Soil Volume – Loose (swell 1.25)	4,166.7	CY	Bank CY × swell factor (Key Input 0.4 on L&E sheet)
	Soil Truck Loads (14 CY capacity)	298	loads	CEILING(loose CY ÷ truck capacity, 1) — from Key Input 0.5
4	**TOTAL Excavation Volume (bank)**	**4,444.4**	**CY**	**Stone CY + Soil CY**
	TOTAL Truck Loads	**386**	**loads**	**Stone loads + Soil loads**

DETAILED COST ESTIMATE

Item #	Description of Work	Quantity	Unit	Unit Cost ($/Unit)	Extended Amount ($)	Basis / Notes
	GENERAL CONDITIONS & MOBILIZATION					
1.01	Mobilization & Demobilization	-	LS	$100,000.00	-	*2 mini-excavators + 1 CTL + support equip; LS input — adjust if mob distance changes*
1.02	Site Setup, Temp Barriers & Dust Control	-	LS	$8,000.00	-	*Perimeter barriers, signage, water for dust suppression; LS input*
1.03	Temporary Traffic Control	-	LS	$30,000.00	-	*Flagging, SunRail/FDOT safety protocols & submittals; LS input*
1.04	General Conditions (PM, Super, Safety, Permits, Insurance)	1	LS	$28,000.00	$28,000	*25 working days; PM + Super + Safety + permits + insurance; LS input*
	CRUSHED STONE REMOVAL (4" LAYER)					
2.01	Crushed Stone Excavation & Loading – Equipment & Labor	1,111	CY	$52.31	$58,121	*Formula-driven: see L&E sheet Sec.4 row 4.13 — adjust stone prod rate (Key Input 0.6) to change this cost*
2.02	Crushed Stone – Haul & Disposal / Recycling	88	Loads	$187.14	$16,468	*Formula-driven: see L&E sheet Sec.4 row 4.16 — driven by truck rate + cycle time + tipping fee*
	SOIL / SUBGRADE EXCAVATION (12" LAYER)					
3.01	Subgrade Soil Excavation & Loading – Equipment & Labor	3,333	CY	$45.08	$150,278	*Formula-driven: see L&E sheet Sec.4 row 4.14 — adjust soil prod rate (Key Input 0.7) or excavator rates to change*
3.02	Soil – Haul & Disposal (off-site licensed facility)	298	Loads	$187.14	$55,768	*Formula-driven: see L&E sheet Sec.4 row 4.17 — driven by truck rate + cycle time + soil disposal fee*
	INSPECTION, TESTING & CLOSEOUT					
4.01	Subgrade Inspection, Proofrolling & Geotechnical Testing	1	LS	$25,000.00	$25,000	*FL-based geotech firm; proofroll + compaction testing; LS input*
4.02	Site Cleanup, Final Grade & Demobilization Sweep	-	LS	$6,000.00	-	*Broom-clean, remove temp works, restore column surrounds; LS input*

SUBTOTAL — Direct Construction Cost	**$333,635**
Contractor Overhead & Profit (15%)	**$33,363**
ESTIMATED PROJECT TOTAL	**$366,998**
Unit Cost per Square Yard (basis: 10,000 SY)	**$36.70**

KEY ASSUMPTIONS & QUALIFICATIONS

- Equipment: (2) mini-excavators, 5–8 ton class (Cat 305 / Kubota KX080 equivalent) + (1) compact track loader for stone stripping phase.
- Headroom: 12 ft clearance governs equipment selection; production rates reflect constrained-swing, short-reach operation.
- Production Rate: ~350 CF/hr per machine; dual-machine operation yields ~700 CF/hr = ~259 CY/day over a 10-hr shift.
- Estimated field duration: approximately 17 excavation days + mobilization/cleanup = 25 working days total.
- Truck capacity assumed at 14 CY (loose measure). Swell factor 1.10 for crushed stone; 1.25 for native soil.

Disposal: Stone assumed recyclable at Central Florida C&D facility. Soil disposed at licensed facility — confirm non-hazardous status; FL DEP may require manifests for soil within wellfield protection zones.

- Estimate EXCLUDES: permits/fees payable to transit authority, environmental testing/remediation, shoring/underpinning, dewatering, and utility protection beyond standard OSHA requirements.
- Pricing basis: Q2 2026 Central Florida U.S. market. Adjust unit costs ±15–20% for other regions or market conditions.

Prepared: April 13, 2026 | This estimate is based on assumed site conditions. Field verification recommended prior to bid.

LABOR & EQUIPMENT COST ASSUMPTIONS

Brightline Rail Station Subgrade Excavation | Q2 2026 Central Florida Market (Orlando / I-4 Corridor)

SECTION 0 — KEY SCALAR INPUTS (blue = change these to recalculate the entire estimate)

#	Assumption / Parameter	Input Value	Unit		Notes
0.1	Payroll Burden & Benefits Rate	42.0%	rate		*Applied to base wages in Section 2; 35% = FICA + WC + benefits (FL open-shop)*
0.2	Shift Length	10	hrs/day		*Standard 10-hr shift; reduce to 8 for restricted night/weekend windows (+25% duration)*
0.3	Swell Factor — Crushed Stone	1.1	factor		*Bank-to-loose volume factor; 1.10 typical for graded crushed stone*
0.4	Swell Factor — Native Soil	1.3	factor		*1.25 typical for sandy FL soil; increase to 1.30 for cohesive or mixed soils*
0.5	Truck Capacity	14	CY (loose)		*14 CY tandem axle — standard for this region; verify legal gross weight limit*
0.6	Stone Phase Production Rate	200	CF/hr		*CTL strips stone + 1 excavator loads; loose material → higher rate than soil*
0.7	Soil Phase Production Rate	250	CF/hr		*Both excavators digging simultaneously; 350 CF/hr each; adjust for soil type*
0.8	Stone Tipping / Recycling Fee	0	$/load		*Central FL C&D recycling facility; stone typically accepted at low cost*
0.9	Soil Disposal Fee	0	$/load		*Licensed C&D facility; non-hazardous sandy fill — confirm with FL DEP*
0.10	Overhead & Profit Rate	10.0%	rate		*Applied on Cost Estimate sheet to direct cost subtotal*

SECTION 1 — EQUIPMENT RENTAL RATES (bare rental, no operator)

#	Equipment Description	Daily Rate	Hourly Rate (÷ shift hrs)	Unit	Notes
1.1	Mini Excavator 5–8t, Unit A (Cat 305 / Kubota KX080)	$1,150.00	$115.00	$/day	*Primary dig machine; constrained 12-ft headroom; boom radius limits swing*
1.2	Mini Excavator 5–8t, Unit B (second machine)	$1,150.00	$115.00	$/day	*Dual-machine operation to hit target duration*
1.3	Compact Track Loader (Bobcat T650 / Cat 299)	$900.00	$90.00	$/day	*Stone stripping & push-piling; Phase 1 of work sequence*
1.4	Dump Truck, 14 CY tandem axle	$850.00	$85.00	$/day	*Per truck bare rate; 3–4 trucks to sustain excavation pace*
1.5	Water / Dust Control Truck (shared)	$550.00	$55.00	$/day	*Dust suppression per SunRail / FDOT site requirements*
1.6	Plate Compactor / Walk-Behind	$165.00	$16.50	$/day	*Final trim & subgrade preparation*

SECTION 2 — LABOR RATES (all-in = base wage + burden from Key Inputs 0.1)

#	Labor Classification	Base Wage ($/hr)	Burden (base × Input 0.1)	All-In Rate ($/hr)	Notes
2.1	Equipment Operator — Excavator (open shop)	$35.00	$14.70	$49.70	*Open-shop FL rate; Davis-Bacon ~$60-70/hr if federally funded — adjust base wage*
2.2	Equipment Operator — CTL / Loader (open shop)	$31.50	$13.23	$44.73	*Slightly lower classification than excavator operator*
2.3	Truck Driver — CDL Class A (open shop)	$28.00	$11.76	$39.76	*Haul & return; open shop FL market; verify against current AGC survey*
2.4	Laborer / Grade Checker	$22.00	$9.24	$31.24	*Bottom-of-excavation grade control; OSHA 10 required*
2.5	Working Foreman (on tools)	$40.00	$16.80	$56.80	*Field supervision + hands-on; competent person for excavation per OSHA 1926.652*
2.6	Project Superintendent (off tools)	$50.00	$21.00	$71.00	*Full-time site oversight; cost included in GC line item on Cost Estimate*
2.7	Project Manager (office + site visits)	$65.00	$27.30	$92.30	*Estimating, scheduling, SunRail / FDOT coordination*

SECTION 3 — ALL-IN CREW RATES (equipment hourly + operator all-in, both driven by Sections 1 & 2)

#	Crew / Resource	Equipment ($/hr)	Labor ($/hr)	All-In Rate ($/hr)	Derivation
3.1	Mini Excavator + Operator (per machine)	$115.00	$49.70	**$164.70**	*Equipment = Sec.1 row 20 daily ÷ shift hrs | Labor = Sec.2 row 29 all-in rate*
3.2	Compact Track Loader + Operator	$90.00	$44.73	**$134.73**	*Equipment = Sec.1 row 22 | Labor = Sec.2 row 30*
3.3	Dump Truck (14 CY) + Driver — per truck	$85.00	$39.76	**$124.76**	*Equipment = Sec.1 row 23 | Labor = Sec.2 row 31 | Used for haul cost derivation in Sec.4*

SECTION 4 — PRODUCTION RATES & UNIT COST DERIVATION (all formulas — driven by Sections 0–3)

#	Parameter	Calculated Value	Unit		Formula / Notes
4.1	Stone Phase Production Rate (ref Key Input 0.6)	200.0	CF/hr		*Stone phase production rate — reference to Key Input 0.6 above*
4.2	Soil Phase Production Rate (ref Key Input 0.7)	250.0	CF/hr		*Soil phase production rate — reference to Key Input 0.7 above*
4.3	Shift Length (ref Key Input 0.2)	10	hrs/day		*Shift length — reference to Key Input 0.2 above*
4.4	Daily Stone Volume Processed	2,000.0	CF/day		*=4.1 × 4.3 (stone phase CF per day)*
4.5	Daily Soil Volume Processed	2,500.0	CF/day		*=4.2 × 4.3 (soil phase CF per day)*
4.6	Daily Stone Volume (CY)	74.1	CY/day		*=4.4 ÷ 27 (cubic feet to cubic yards)*
4.7	Daily Soil Volume (CY)	92.6	CY/day		*=4.5 ÷ 27*
4.8	Truck Cycle Time ← INPUT	2	hrs/load		*INPUT — truck cycle: load + 6-mi haul + dump + return; increase for longer haul distance*
4.9	Loads per Truck per Shift	6.67	loads/truck/shift		*=4.3 ÷ 4.8 (need 3–4 trucks to match excavation output continuously)*
4.10	Stone Phase — Direct Machine Crew Rate	$299.43	$/hr		*Stone-phase direct machines: 1 Excavator (row 39) + CTL (row 40)*
4.11	Soil Phase — Direct Machine Crew Rate	$329.40	$/hr		*Soil-phase direct machines: 2 Excavators (row 39 × 2)*
4.12	Field Supervision Rate (Foreman + Laborer)	$88.04	$/hr		*Field supervision on site for all phases: Foreman (row 33) + Laborer (row 32)*
4.13	**STONE Excavation Unit Cost ▶ feeds Cost Estimate**	**$52.31**	$/CY		*=(4.1 + 4.12) ÷ (4.1 ÷ 27) → total $/hr ÷ CY/hr → stone excavation unit cost*
4.14	**SOIL Excavation Unit Cost ▶ feeds Cost Estimate**	**$45.08**	$/CY		*=(4.11 + 4.12) ÷ (4.2 ÷ 27) → soil excavation unit cost*
4.15	Truck All-In Rate (ref Section 3)	$124.76	$/hr		*Truck all-in rate: reference Section 3 row 41*
4.16	**STONE Haul & Disposal ▶ feeds Cost Estimate**	**$187.14**	$/load		*=(4.15 × 4.8) + Key Input 0.8 → truck cost per cycle + stone tipping fee))*
4.17	**SOIL Haul & Disposal ▶ feeds Cost Estimate**	**$187.14**	$/load		*=(4.15 × 4.8) + Key Input 0.9 → truck cost per cycle + soil disposal fee))*

SECTION 5 — MARKET & PRICING QUALIFICATIONS

5.1	Geographic basis: Central Florida (Orlando / I-4 Corridor), Q2 2026. Adjust ±10–15% for other FL markets (South FL typically higher; Panhandle lower).
5.2	Florida has NO state prevailing wage law. Open-shop rates assumed. If federally funded (FTA, FHWA), Davis-Bacon applies — update base wages in Section 2 (typically +70–100%).
5.3	Equipment rental rates reflect Central FL market. Strong availability due to SunRail, I-4 Ultimate, and active regional construction. Update Section 1 daily rates from current quotes.
5.4	Fuel assumed at $3.85/gallon diesel embedded in daily rental rates. Significant fuel moves (>$0.50/gal) should be re-escalated in Section 1 daily rates.
5.5	Disposal fees (Key Inputs 0.8 & 0.9) assume non-hazardous, uncontaminated material. FL DEP review required for soils in wellfield protection zones; remediation excluded.
5.6	Haul cycle time (Sec. 4 row 4.8) assumes 6-mile average to facility. Adjust cycle time input for actual distance — +0.2 hrs per additional 5-mile increment.
5.7	SunRail (FDOT District 5) coordination: restricted work windows may limit production to nights/weekends — reduce shift hours (Key Input 0.2) and apply 15–25% labor premium to base wages.
5.8	Summer thunderstorm risk (June–Sept) may reduce effective daily production by 5–10%. Build schedule float or use conservative production rate in Key Input 0.6/0.7.

Prepared: April 13, 2026 | Blue = hardcoded input | Black = formula (auto-recalculates) | Green = output feeding Cost Estimate sheet | Verify Section 1 & 2 rates against current RSMeans / AGC FL wage survey before bid.

UTILITY LOCATION, EXPOSURE, MAPPING & CONFLICT RELOCATION

Vacuum Excavation | GPR/EM Locating | Drain, Valve & Cleanout Relocation | Pavement Restoration

Project: Elevated Rail Station — Utility Conflict Resolution **Prepared By:** Estimating **Date:** April 14, 2026

SCOPE QUANTITIES

Item	Scope Item	Quantity	Unit	Notes
1	Project Area	10,000	SY	*Total footprint under elevated structure*
2	Vacuum Pothole Exposures	75	EA	*Anticipated conflict locations requiring pot-holing*
3	Drain Relocations	10	EA	*Storm drains conflicting with proposed paving grades/limits*
4	Valve / Valve Box Relocations	6	EA	*Water main valves and valve boxes within paving footprint*
5	Sanitary Cleanout Relocations	5	EA	*Sanitary lateral cleanouts within paving footprint*
6	Pavement Patching — Restoration	75	SY	*At vacuum pothole locations + relocation trench repairs*

DETAILED COST ESTIMATE

Item #	Description of Work	Quantity	Unit	Unit Cost ($/Unit)	Extended Amount ($)	Basis / Notes
GENERAL CONDITIONS & MOBILIZATION						
1.01	Mobilization & Demobilization	0	LS	$18,000.00	-	*Vac truck, service trucks, GPR unit; assumes <30-mile transport from base*
1.02	Site Setup, Temporary Traffic Control & Barriers	1	LS	$12,000.00	$12,000	*MOT plan, signage, temporary barriers; coordinate with SunRail & FDOT District 5*
1.03	Utility Coordination, 811 Notification & Pre-Con Meetings	1	LS	$5,500.00	$5,500	*Sunshine 811 marking, utility owner meetings, conflict matrix preparation*
1.04	Utility As-Built Mapping & Documentation	1	LS	$8,500.00	$8,500	*Survey crew; GPS utility positions; AutoCAD/GIS deliverable per FDOT D5 standards*
1.05	General Conditions (PM, Super, Safety, Permits, Bonds — 30 days)	1	LS	$35,000.00	$35,000	*PM $65/hr part-time + Super $52/hr full-time × 30 days + safety + permits*
VACUUM EXCAVATION — UTILITY EXPOSURE						
2.01	GPR / EM Utility Locating Sweep	10,000	SY	$0.83	$8,336	*Formula-driven: see L&E Sec.4 row 4.11 — adjust locating prod. rate (Key Input 0.15)*
2.02	Vacuum Excavation — Pothole Exposure	75	EA	$848.40	$63,630	*Formula-driven: see L&E Sec.4 row 4.4 — adjust potholes/day (Key Input 0.9)*
UTILITY CONFLICT RELOCATIONS						
3.01	Storm Drain Relocation (includes saw-cut, excavate, replumb, patch	10	EA	$5,004.00	$50,040	*Formula-driven: see L&E Sec.4 row 4.6 — adjust hours/EA (Key Input 0.10)*
3.02	Valve / Valve Box Relocation (includes owner coordination & shutoff)	6	EA	$6,004.80	$36,029	*Formula-driven: see L&E Sec.4 row 4.7 — adjust hours/EA (Key Input 0.11)*
3.03	Sanitary Cleanout Relocation (FL licensed plumber required)	5	EA	$3,502.80	$17,514	*Formula-driven: see L&E Sec.4 row 4.8 — adjust hours/EA (Key Input 0.12)*
PAVEMENT RESTORATION						
4.01	Pavement Patching & Restoration (saw-cut, remove, base, tack, compact)	75	SY	$100.21	$7,516	*Formula-driven: see L&E Sec.4 row 4.13 — adjust prod. rate + material cost (Inputs 0.13–0.14)*

SUBTOTAL — Direct Construction Cost	**$244,065**
Contractor Overhead & Profit (15% — ref L&E Key Input 0.16)	**$36,610**
ESTIMATED PROJECT TOTAL	**$280,674**
Unit Cost per Square Yard (basis: 10,000 SY)	**$28.07**

KEY ASSUMPTIONS & QUALIFICATIONS

- Equipment: (1) vacuum excavation truck (1,200-gal), (2) service/support trucks, (1) GPR/EM locating unit, saw cutter, and compactor.
- Labor: Vac truck operator (CDL+confined-space), utility crew foreman (OSHA 30), FL-licensed plumber, (2) utility laborers, (2) survey technicians.
- Production basis: 5 vacuum potholes per day; drain relocation 20 hrs/EA; valve relocation 24 hrs/EA; cleanout relocation 14 hrs/EA; patching 8 SY/hr.
- Estimate EXCLUDES: dewatering, environmental testing/remediation, permit fees payable to utility owners or AHJ, mainline pipe replacement, MOT plan engineering.
- Utility owner coordination (OUC, Orange County Utilities, FDOT, etc.) assumed concurrent with field work; utility shutdown windows not included in unit costs — add standby if required.
- Pricing basis: Q2 2026 Central Florida open-shop market. Davis-Bacon applies if federally funded — update Section 2 base wages on L&E sheet accordingly.

Prepared: April 14, 2026 | This estimate is based on assumed scope and site conditions. Field verification and utility owner coordination required prior to bid.

LABOR & EQUIPMENT COST ASSUMPTIONS

Utility Location, Exposure, Mapping & Relocation | Q2 2026 Central Florida Market

SECTION 0 — KEY SCALAR INPUTS (blue = change these to recalculate the entire estimate)

#	Assumption / Parameter	Input Value	Unit		Notes
0.1	Payroll Burden & Benefits Rate	35.0%	rate		*35% of base = FICA+WC+benefits; FL open-shop market*
0.2	Shift Length	10	hrs/day		*Standard 10-hr shift; reduce if restricted by SunRail service windows*
0.3	Project Duration	20	work. days		*Includes utility locating, exposure, mapping & relocation phases*
0.4	Vacuum Excavation Truck — Daily Rate	3,000	$/day		*Trailer-mounted, 1,200-gal debris tank; includes operator in Section 1*
0.5	Support / Service Truck — Daily Rate	450	$/day		*Per truck; crew transport, tools, and spoil management*
0.6	GPR Locating Unit — Daily Rate	950	$/day		*Ground-penetrating radar; 1,600 MHz for shallow utilities (<6 ft)*
0.7	Pavement Saw Cutter — Daily Rate	350	$/day		*Walk-behind diamond-blade wet saw for patch saw-cutting*
0.8	Plate Compactor — Daily Rate	165	$/day		*For sub-base compaction at patch locations*
0.9	Vacuum Pothole Production Rate	5	EA/day		*Potholes exposed per day; 5 typical for urban site with good access*
0.10	Drain Relocation — Hours per EA	20	hrs/EA		*Saw-cut, excavate, replumb, backfill, restore; assumes LF<10 of new pipe*
0.11	Valve / Valve Box Relocation — Hours per EA	24	hrs/EA		*Includes utility-owner coordination, pressure shutoff, thrust blocks*
0.12	Sanitary Cleanout Relocation — Hours per EA	14	hrs/EA		*Assumes lateral cleanout; add hours for deep mainline work*
0.13	Pavement Patching Production Rate	8	SY/hr		*Includes saw-cut, remove, tack coat, compact; 2-person crew*
0.14	Patch Material Cost	85	$/SY		*Type SP-12.5 asphalt + base course material; delivered & placed*
0.15	GPR / EM Locating Production Rate	250	SY/hr		*Sweep rate for combined GPR + EM scan in 2-ft grid; dense utility area*
0.16	Overhead & Profit Rate	15.0%	rate		*Applied to direct cost subtotal on Cost Estimate sheet*

SECTION 1 — EQUIPMENT RENTAL RATES (bare rental; hourly = daily ÷ shift hrs)

#	Equipment Description	Daily Rate	Hourly Rate (÷ shift hrs)	Unit	Notes
1.1	Vacuum Excavation Truck (1,200-gal, trailer-mounted)	$3,000.00	$300.00	$/day	*Rate includes debris disposal; truck-mount alt. add $500/day*
1.2	Support / Service Truck (per truck)	$450.00	$45.00	$/day	*4×4 crew cab; tool storage; 2 trucks anticipated for relocation crew*
1.3	GPR Locating Unit (GSSI SIR-4000 or equal)	$950.00	$95.00	$/day	*Includes EM locator (Radiodetection RD8100); dual-method scan*
1.4	Walk-Behind Pavement Saw (diamond blade, wet)	$350.00	$35.00	$/day	*For saw-cutting existing pavement at patch limits*
1.5	Plate Compactor (forward-plate, 200 lb)	$165.00	$16.50	$/day	*Lift compaction at backfill and patch sub-base locations*

SECTION 2 — LABOR RATES (all-in = base + burden; burden % from Key Input 0.1)

#	Labor Classification	Base Wage ($/hr)	Burden (base × 0.1)	All-In Rate ($/hr)	Notes
2.1	Vacuum Truck Operator (CDL + confined-space cert.)	$40.00	$14.00	$54.00	*CDL Class B required; confined-space entry cert; FL open-shop rate Q2 2026*
2.2	Utility Crew Foreman (OSHA 30 + competent person)	$48.00	$16.80	$64.80	*Excavation competent person per OSHA 1926.652; utility marking familiarity*
2.3	Licensed Plumber / Pipefitter (FL State License)	$52.00	$18.20	$70.20	*FL CFC or CW license req. for sanitary & pressure pipe; verify scope with FDEP*
2.4	Utility Laborer (OSHA 10)	$26.00	$9.10	$35.10	*General utility excavation labor; hand-digging & backfill at conflict zones*
2.5	Survey Technician (NICET II or FL PSM intern)	$42.00	$14.70	$56.70	*GPS + total station; field-collects utility positions for as-built mapping*
2.6	Project Superintendent (off tools)	$52.00	$18.20	$70.20	*Full-time site oversight; cost included in General Conditions line item*
2.7	Project Manager (office + site)	$65.00	$22.75	$87.75	*Utility owner coordination, permit submittals, progress reporting*

SECTION 3 — ALL-IN CREW RATES (equipment hourly + combined labor; driven by Sections 1 & 2)

#	Crew Composition	Equipment ($/hr)	Labor ($/hr)	All-In Rate ($/hr)	Derivation
3.1	Vacuum Excavation Crew (vac truck + operator + 2 laborers)	$300.00	$124.20	**$424.20**	*Vac truck hourly (row 26) + operator (row 34) + 2× laborer (row 37)*
3.2	Relocation Crew (svc truck + foreman + plumber + 2 laborers)	$45.00	$205.20	**$250.20**	*Svc truck (row 27) + foreman (row 35) + plumber (row 36) + 2× laborer*
3.3	Locating Crew (GPR unit + 2 survey technicians)	$95.00	$113.40	**$208.40**	*GPR hourly (row 28) + 2× survey tech (row 38)*
3.4	Pavement Patching Crew (saw + compactor + 2 laborers)	$51.50	$70.20	**$121.70**	*Saw (row 29) + compactor (row 30) + 2× laborer (row 37)*

SECTION 4 — PRODUCTION RATES & UNIT COST DERIVATION (all formulas, driven by Sections 0–3)

#	Parameter	Calculated Value	Unit		Formula / Notes
4.1	Shift Length (ref Key Input 0.2)	10.0	hrs/day		*Shift length — reference to Key Input 0.2*
4.2	Vacuum Crew All-In Rate	$424.20	$/hr		*Full vac crew all-in rate from Section 3 row 44 (truck + op + 2 lab)*
4.3	Hours per Pothole	2.0	hrs/EA		*=4.1 ÷ Key Input 0.9 → productive hours allocated per pothole*
4.4	**VACUUM POTHOLE Unit Cost ▶ feeds Cost Estimate**	**$848.40**	$/EA		*=4.2 × 4.3 → vacuum pothole unit cost ▶ feeds Cost Estimate*
4.5	Relocation Crew All-In Rate	$250.20	$/hr		*Full relocation crew all-in rate from Section 3 row 45 (svc+foreman+plumber+2 lab)*
4.6	**DRAIN RELOCATION Unit Cost ▶ feeds Cost Estimate**	**$5,004.00**	$/EA		*=4.5 × Key Input 0.10 → drain relocation unit cost ▶ feeds Cost Estimate*
4.7	**VALVE RELOCATION Unit Cost ▶ feeds Cost Estimate**	**$6,004.80**	$/EA		*=4.5 × Key Input 0.11 → valve relocation unit cost ▶ feeds Cost Estimate*
4.8	**CLEANOUT RELOCATION Unit Cost ▶ feeds Cost Estimate**	**$3,502.80**	$/EA		*=4.5 × Key Input 0.12 → cleanout relocation unit cost ▶ feeds Cost Estimate*
4.9	GPR Unit Hourly Rate	$95.00	$/hr		*GPR unit hourly rate from Section 1 row 28 (daily ÷ shift hrs)*
4.10	Locating Crew All-In Rate	$208.40	$/hr		*Full locating crew from Section 3 row 46 (GPR + 2 survey techs)*
4.11	**UTILITY LOCATING Unit Cost ▶ feeds Cost Estimate**	**$0.83**	$/SY		*=4.10 ÷ Key Input 0.15 → locating survey unit cost per SY ▶ feeds Cost Estimate*
4.12	Pavement Patching Crew Rate	$121.70	$/hr		*Patching crew rate from Section 3 row 47 (saw + compactor + 2 lab)*
4.13	**PAVEMENT PATCHING Unit Cost (incl. materials) ▶ feeds Cost Estimate**	**$100.21**	$/SY		*=(4.12 ÷ Key Input 0.13) + Key Input 0.14 → labor+equip+materials ▶ feeds Cost Estimate*

SECTION 5 — MARKET & SCOPE QUALIFICATIONS

5.1	Geographic basis: Central Florida (Orlando / I-4 Corridor), Q2 2026. FL open-shop labor rates. Davis-Bacon applies if federally funded — update base wages in Section 2 accordingly.
5.2	Utility locating assumes full GPR + EM dual-scan sweep. Results must be field-verified by vacuum exposure; locating accuracy is typically ±18" horizontal per ASCE 38-22 Quality Level B.
5.3	Vacuum excavation production (Key Input 0.9) assumes clear above-grade access under the elevated structure. Column spacing and debris accumulation may reduce daily output — adjust accordingly.
5.4	Relocation hours (Key Inputs 0.10–0.12) assume minor conflicts (<10 LF pipe run). Deeper utilities, casing requirements, or mainline work will significantly increase hours — verify with field investigation.
5.5	Sanitary cleanout and gravity drain relocations require FL DEP notification if connected to municipal system. Licensed CFC or CW contractor required; inspection by AHJ may add schedule time.
5.6	Valve relocations must be coordinated with the utility owner (OUC, Orange County Utilities, or applicable authority). Shutoff window, traffic control, and bacteriological testing are excluded unless noted.
5.7	Pavement patching material rate (Key Input 0.14) assumes standard SP-12.5 Superpave mix. Match existing cross-section; base rock replacement costs excluded — add $18–25/SY if base rock is disturbed.
5.8	All pothole locations and utility as-builts should be delivered in AutoCAD or GIS format per FDOT District 5 standards. Survey sub-contractor markup and data deliverable costs included in utility mapping LS item.

Prepared: April 14, 2026 | Blue = input | Black = formula | Green = output feeding Cost Estimate | Verify equipment rates from local rental quotes; verify labor rates against current AGC FL wage survey.

Greater Orlando Aviation Authority

Published By: John Bay
Reviewed By: Jeffrey Re

CCM HANDOUT
4/28/2026
Item III-E
Full Item
Replacement

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	H-00416 - Repair and Paint Sign Structures on Heintzleman Boulevard, Tradeport Drive, Bear Road, Casa Verde Road, & Cargo Road (D/B)	DATE: 04/28/2026
CONTRACTOR:	Prime Construction Group. Inc.	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 01). Provide all labor, material, and equipment to repair and paint roadway signage structures at Heintzleman Boulevard, Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $806,474.35

Item #2 – Allowance Reduction – Reduce the Allowance by ($806,474.35) from $1,200,000.00 to $393,525.65 to cover the cost of Item #1 above.

Deduct: ($806,474.35)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 806,474.35	
GOAA/OAR Estimate	$ 772,871.50	
(a) Change Contract Amount By		**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 76,740.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$ 0.00**

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$ 0.00
PREPARED BY: John Bayley		PHONE: 407-825-4053

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		4/24/2026	DM	Melvin Martinez

Independent Cost Estimate - H-00416 - Repair and Paint Sign Structures on Heintzleman Boulevard, Tradeport Drive, Bear Road, Casa Verde Road, & Cargo Road

PSA MANAGEMENT

Job Name:	H-0416 Overhead & Groung Mounted Roadway Sign Updates			
Description of Work	Quantity	Units	Unit Price	Cost
Mobilization	1	LS	$45,384.00	$45,384.00
Clearing and Grubbing	1	LS	$6,000.00	$6,000.00
Excavation	1	LS	$8,000.00	$8,000.00
MOT	1	LS	$10,000.00	$10,000.00
Signs Removal	49	EA	$2,700.00	$132,300.00
Overhead Signs - Cleaning and Painting	10	EA	$14,000.00	$140,000.00
Ground Signs - Cleaning, Headware Replacement and painting	39	EA	$7,200.00	$280,800.00
Contractor Mark-up 15%	1	LS		$85,125.00
PROJECT TOTALS			$93,284.00	$707,609.00
Total Project Cost without Contingency				$707,609.00
Total Project Cost with Contingency (10%)				$772,871.50

Contractor markup is based on 15% of the total cost as provided on the above schedule.
Contingency is based on 10% of the total cost, including markup, as provided on the above schedule.

GOAA Repair & Paint Sign Structures

PRIME CONSTRUCTION GROUP, INC.

Owner Request #: **H-00416** RCO 01 Date: 10-Apr-26

Owner Reference: **GOAA H-00416 Sign Paint Repairs**

Description: **Repair & Paint Sign Structures Throughout the OIA & Tradeport 11ea Overhead 31ea Ground Mount**

PCG Labor with Burden

		Crew Size	Quantity	Unit	Unit Price	Extension
Painter Support Removing / Replacing	PROJECT MANAGER	1	176	HRS	$95.00	$16,720.00
Sign Structures / Breakaway Bolts	PM ASSISTANT	1	100	HRS	$48.28	$4,828.00
11ea Overhead Structures	GENERAL FOREMAN	1	528	HRS	$66.00	$34,848.00
31ea Ground Mount Signs	LOADER OPERATOR	1	528	HRS	$41.00	$21,648.00
	LABORER - SKILLED	1	528	HRS	$30.00	$15,840.00
Prime Labor Subtotal						$93,884.00
	PCG Labor Markup		15.00%			$14,082.60

Materials

Sod	10	PL	$260.00	$2,600.00	
Breakaway / Sign Connection Hardware	1	LS	$1,418.37	$1,418.37	
Lexan Isolation Material	1	LS	$1,333.77	$1,333.77	
Temporary Sign Mounts	5	EA	$1,500.00	$7,500.00	
Material Subtotal					$12,852.14
Material Tax	7.00%				$899.65
Material Markup	15.00%				$2,062.77

Equipment and Other Rentals

Painter Support Removing / Replacing	Truck, Pickup - PM	176	Hour	$31.44	$5,533.44	
Sign Structures / Breakaway Bolts	Truck, Pickup - Foreman	528	Hour	$31.44	$16,600.32	
11ea Overhead Structures	Rental Lift or Lull	528	Hour	$105.51	$55,709.28	
31ea Ground Mount Signs						
MOT Sign / Cones Rentals		90	DY	$22.39	$2,015.10	
Rental Subtotal						$79,858.14
Rental Tax	7.00%				Tax	$4,040.71
Rental Markup	15.00%					$12,584.83

Subcontracts

MOT Lane Closures Flash-Rite w/ Officer	1	LS	$352,887.63	$352,887.63	
Clean, Prep, Prime & Coat 42 Sign Structures	1	LS	$149,111.95	$149,111.95	
Subcontractor Subtotal					$501,999.58
Subcontractor Markup	15.00%				$75,299.94
Subtotal					$797,564.35
Daily Jobsite Overhead		Days			
					$797,564.35
Bond Amount					$8,910.00
Grandtotal					**$806,474.35**

Contract Time requested Days

The items listed above are for classification only, this is a Lump Sum proposal. This estimate is valid for 30 days.

F:\Project_Management\Jobs\26882 GOAA H-416 Repair & Paint Sign Structures\00Estimating\[H-416 Repair & Paint Sign Structures.xls]Equip

Proposal

SOUTHERN PAINTING & BLASTING, LLC

175 Anchor Road •Casselberry, FL 32707 • 407-822-1760 • Fax 407-822-1762

March 9, 2026

Prime Construction Group, Inc.
741 Garden Commerce Pkwy
Winter Garden, FL 34787

Attn: Jeff Holaday

Proposal No. Z049

RE: H-00416 Sign Structures

WORK PROPOSED AS FOLLOWS:

1. Clean, prep, spot prime, intermediate coat and finish coat with CM-15 and MCU-100 per GOAA's specifications.
2. Scope includes sign structure bridges (11) and ground sign structures (31).

$149,111.95

NOTES:

1. Prime to handle all MOT.
2. All materials will be stored and applied in accordance with the manufacturer's recommendations.
3. Southern Painting & Blasting is responsible for properly rigging and safety procedures in accordance with OSHA and common industry safety practices.
4. All work is to be done during 3rd shift for overhead sign structures. All ground signs to be done during 1st shift.
5. OWNER will remove any appurtenances prior to start of project.
6. Southern Painting & Blasting is NOT responsible for digging back any structures more than 4 inches.
7. Southern Painting & Blasting will protect all areas, switches, and electrical items not to be painted.
8. Southern Painting & Blasting is NOT responsible for removing and replacing any conduit, strapping or signs to paint underneath.

Respectfully submitted,

Lawrence W. Stempkowski

Lawrence W. Stempkowski

ACCEPTED. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. . Sales tax may be applicable. You will provide labor and materials and equipment- complete in accordance with above specifications, and subject to conditions found on this agreement and payment terms shall be net thirty days. This proposal may be withdrawn by Southern if not accepted within 60 days.

By: _____ Date of Acceptance: _____

Flash-Rite
115 Atlantic Dr
Maitland, FL 32751-3328 USA
+14078340408
AR@flashrite.us

Estimate

ADDRESS
PRIME CONSTRUCTION GROUP
1000 JETSTREAM DRIVE
ORLANDO, FL 32824

SHIP TO
PRIME CONSTRUCTION GROUP
PROJECT H-00416
MULTIPLE LOCATIONS WITHIN GOAA
ORANGE COUNTY
ATTN. JEFF

ESTIMATE # 1438
DATE 04/10/2026

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	MAINTENANCE OF TRAFFIC	MAINTENANCE OF TRAFFIC - POP & GOES - DRIVER STAY WITH - PER SETUP - PER WEEKNIGHT	95	2,000.00	190,000.00T
	OPD OFFICER	1 OFF DUTY OFFICER X 10 HRS PER NIGHT X 95 HRS	950	110.50	104,975.00
	OPD OFFICER	OFFICER SCHEDULER FEE	1	10,497.50	10,497.50
	OPEN-UP ROAD	OPEN-UP ROAD	95	150.00	14,250.00T
	DELIVERY CHARGES	DELIVERY CHARGES	98	60.00	5,880.00T
	PICK-UP CHARGE	PICK-UP CHARGE	98	60.00	5,880.00T
	FUEL SURCHARGE	FUEL SURCHARGE	196	25.00	4,900.00T
		ESCLUDES BARRIER WALL			

		EQUIPMENT DROP OFF			
	SIGNS, STAND MTD	8 SIGNS STAND. MTD. X 90 DAYS	720	1.25	900.00T
	DRUMS	15 DRUMS X 90 DAYS	1,350	0.70	945.00T
	DELIVERY CHARGES	DELIVERY CHARGES	1	60.00	60.00T
	PICK-UP CHARGE	PICK-UP CHARGE	1	60.00	60.00T
	FUEL SURCHARGE	FUEL SURCHARGE	2	25.00	50.00T
		**PLEASE NOTE: EQUIPMENT RENTAL PRICING IS FOR 90			

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
		DAYS** **EXCLUDES SETUPS** **DROP OFF ONLY** **EXCLUDES BARRIER WALL**			
		OFFICERS – FOR ALL AGENCIES **OFFICER HOURS AND RATES ARE ESTIMATED HOURS WILL BE BILLED FOR THE TIME THAT IS SCHEDULED PLUS TRAVEL TIME, VEHICLE USAGE FEES & OFFICER SCHEDULING FEES. ACTUAL TIME WORKED WILL NOT APPLY. RATES COULD BE INCREASED BY SCHEDULING OFFICER TO GET DETAIL FILLED. IF OFFICERS ARE FLAGGING TRAFFIC RATES WILL BE INCREASED. CANCELATIONS WILL BE BILL AT A MINIMUM 6 HRS OR THE HOURS SCHEDULED WILL BE BILLED ALONG WITH SCHEDULING FEES AND ANY OTHER FEES THAT ARE APPLICABLE PER AGENCY. IF SHIFTS ARE SPLIT DUE TO CONSTRAINTS OF SCHEDULING FULL SHIFT HOURS SCHEDULED MAY APPLY PER AGENCY POLICY OFFICER INVOICES DUE UPON RECEIPT **EXCLUDES: VARIABLE MESSAGE BOARDS, BARRIER WALL OF ANY TYPE, OFFICERS, FLAGGERS OR SIGNED AND SEALED PLANS. ESTIMATOR: JOE			

The above pricing doesn't include labor for lane closures or setup unless specifically noted. FR Roadway LLC dba Flash-Rite shall not perform, nor be deemed to perform, the role of "Worksite Traffic Supervisor" as defined under FDOT Specification 102.3.2. This quotation shall be incorporated into any future contract for the work described above. Customer is responsible for monitoring all closures.

SUBTOTAL	338,397.50
TAX	14,490.13
TOTAL	**$352,887.63**

Accepted By

Accepted Date

McMASTER-CARR

Quotation

404-346-7000
404-349-9091 (fax)
atl.sales@mcmaster.com

Prime Construction Group
741 Garden Commerce Pkwy
Winter Garden FL 34787

Quote
500342

Date
4/16/26

Requested By

Randy

Line		Product	Quantity	Available	Price	Total
1	91583A121	Heavy Hex Head Screw for Structural Application, Galvanized Grade A325 Steel, 1/2"-13 Thread Size, 2" Long, packs of 10	5 packs	today	17.82 per pack	89.10
2	91694A315	Galvanized Steel Structural Heavy-Profile Hex Nut, Extreme-Strength, Hot-Dipped, 1/2"-13 Thread Size, packs of 25	2 packs	today	15.15 per pack	30.30
3	98119A033	Corrosion-Resistant Galvanized Steel Structural Washer for 1/2" Screw Size, 0.531" ID, 1.062" OD, packs of 50	2 packs	today	9.68 per pack	19.36
4	95160A230	Galvanized Steel Split Lock Washers for 1/2" Screw Size, 0.512" ID, 0.869" OD, packs of 50	1 pack	today	8.95 per pack	8.95
5	91583A124	Heavy Hex Head Screw for Structural Application, Galvanized Grade A325 Steel, 1/2"-13 Thread Size, 2-1/2" Long, packs of 10	5 packs	today	19.71 per pack	98.55
6	91694A315	Galvanized Steel Structural Heavy-Profile Hex Nut, Extreme-Strength, Hot-Dipped, 1/2"-13 Thread Size, packs of 25	2 packs	today	15.15 per pack	30.30
7	98119A033	Corrosion-Resistant Galvanized Steel Structural Washer for 1/2" Screw Size, 0.531" ID, 1.062" OD, packs of 50	2 packs	today	9.68 per pack	19.36
8	95160A230	Galvanized Steel Split Lock Washers for 1/2" Screw Size, 0.512" ID, 0.869" OD, packs of 50	1 pack	today	8.95 per pack	8.95
9	93190A718	Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 1/2"-13 Thread Size, 1-3/4" Long, packs of 5	40 packs	today	9.83 per pack	393.20
10	94804A340	Highly Corrosion-Resistant 316 Stainless Steel Hex Nut, 1/2"-13 Thread Size, packs of 10	20 packs	today	4.71 per pack	94.20
11	90107A033	Highly Corrosion-Resistant 316 Stainless Steel Washer for 1/2" Screw Size, General Purpose, 0.531" ID, packs of 25	16 packs	today	10.24 per pack	163.84

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

McMASTER-CARR

Quotation

404-346-7000
404-349-9091 (fax)
atl.sales@mcmaster.com

Prime Construction Group
741 Garden Commerce Pkwy
Winter Garden FL 34787

Quote
500342

Date
4/16/26

Requested By

Randy

Line		Product	Quantity	Available	Price	Total
12	92147A033	316 Stainless Steel Split Lock Washer for 1/2" Screw Size, 0.512" ID, 0.869" OD, packs of 25	8 packs	today	9.30 per pack	74.40
13	93190A547	Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 1/4"-20 Thread Size, 1-3/4" Long, Fully Threaded, packs of 10	30 packs	today	6.16 per pack	184.80
14	94804A029	Highly Corrosion-Resistant 316 Stainless Steel Hex Nut, 1/4"-20 Thread Size, 7/16" Wide, 7/32" High, packs of 100	3 packs	today	9.92 per pack	29.76
15	90107A029	Highly Corrosion-Resistant 316 Stainless Steel Washer for 1/4" Screw Size, General Purpose, 0.281" ID, packs of 100	6 packs	today	8.39 per pack	50.34
16	91475A029	Mil. Spec. Split Lock Washer, Passivated 316 Stainless Steel, for 1/4" Screw Size, MS35338, packs of 50	6 packs	today	10.55 per pack	63.30

Merchandise prices good through 5/16/26.

Merchandise	$1,358.71
Shipping	59.66
Tax	88.32
Total	$1,506.69

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Clear GP Polycarbonate Polycarbonate Sheet, 0.062 Thick, 24 X 48

Mfr # SPCCL.062GP Polycarbonate-24X48 Zoro # G100908210

0 ratings | Write a Review

$57.99 /ea X 23 EA = $1,333.77

EquipmentWatch.

www.equipmentwatch.com

All prices shown in US dollars ($)

Adjustments for 2012_2014_2016 Pickup in All Saved Models

April 15, 2026

Ford F-150 XLT 4X4 GAS
Light Duty Trucks

Size Class:
2
Weight:
N/A

Configuration for F-150 XLT 4X4 GAS

Power Mode	**Gasoline**	Wheelbase	**122.8 Inches**
Model Trim	**XLT**	Gross Vehicle Weight Rating	**6050 Pounds**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $3,210.00	USD $900.00	USD $225.00	USD $34.00	USD $13.48	USD $31.72
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2023: 98.49%)	(USD $48.51)	(USD $13.60)	(USD $3.40)	(USD $0.51)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $3,161.49**	**USD $886.40**	**USD $221.60**	**USD $33.49**	**USD $13.48**	**USD $31.44**

Non-Active Use Rates

	Hourly
Standby Rate	USD $10.76
Idling Rate	USD $22.37

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	28.1%	USD $901.98/mo
Overhaul (ownership)	40.08%	USD $1,286.67/mo
CFC (ownership)	14.99%	USD $481.08/mo
Indirect (ownership)	16.83%	USD $540.27/mo
Fuel (operating) @ USD 3.72	32.72%	USD $4.41/hr

Revised Date: 2nd quarter 2026

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (mallen@primeconstructiongroup.com)

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EquipmentWatch.

www.equipmentwatch.com

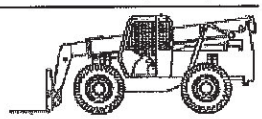
All prices shown in US dollars ($)

Rental Rate Blue Book®

April 13, 2026

JLG G6-23A (disc. 2007)
Telehandlers

Size Class:
2.71 - 3.0 mt
Weight:
15900 lbs



Configuration for G6-23A (disc. 2007)

Lift Capacity	**6600 lbs**	Horsepower	**100.0 hp**
Maximum Lift Height	**271.0 in**	Maximum Reach	**153.0 in**
Power Mode	**Diesel**		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $9,660.00	USD $2,705.00	USD $675.00	USD $100.00	USD $50.62	USD $105.51
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2007: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $9,660.00**	**USD $2,705.00**	**USD $675.00**	**USD $100.00**	**USD $50.62**	**USD $105.51**

Non-Active Use Rates

	Hourly
Standby Rate	USD $24.14
Idling Rate	USD $69.14

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	19.93%	USD $1,925.16/mo
Overhaul (ownership)	56.02%	USD $5,411.60/mo
CFC (ownership)	9.89%	USD $955.15/mo
Indirect (ownership)	14.16%	USD $1,368.08/mo
Fuel (operating) @ USD 5.07	28.15%	USD $14.25/hr

Revised Date: 2nd quarter 2026

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (mallen@primeconstructiongroup.com)

www.equipmentwatch.com

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BULLETIN

PROJECT NO. & NAME:	H-00416 - Repair and Paint Sign Structures on Heintzleman Boulevard, Tradeport Drive, Bear Road, Casa Verde Road, & Cargo Road. (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	Prime Construction	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	PSA Management, Inc.	
REQUESTED BY:	GOAA	
PREPARED BY:	John Bayley, GOAA PM	
ISSUED BY:	John Bayley, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

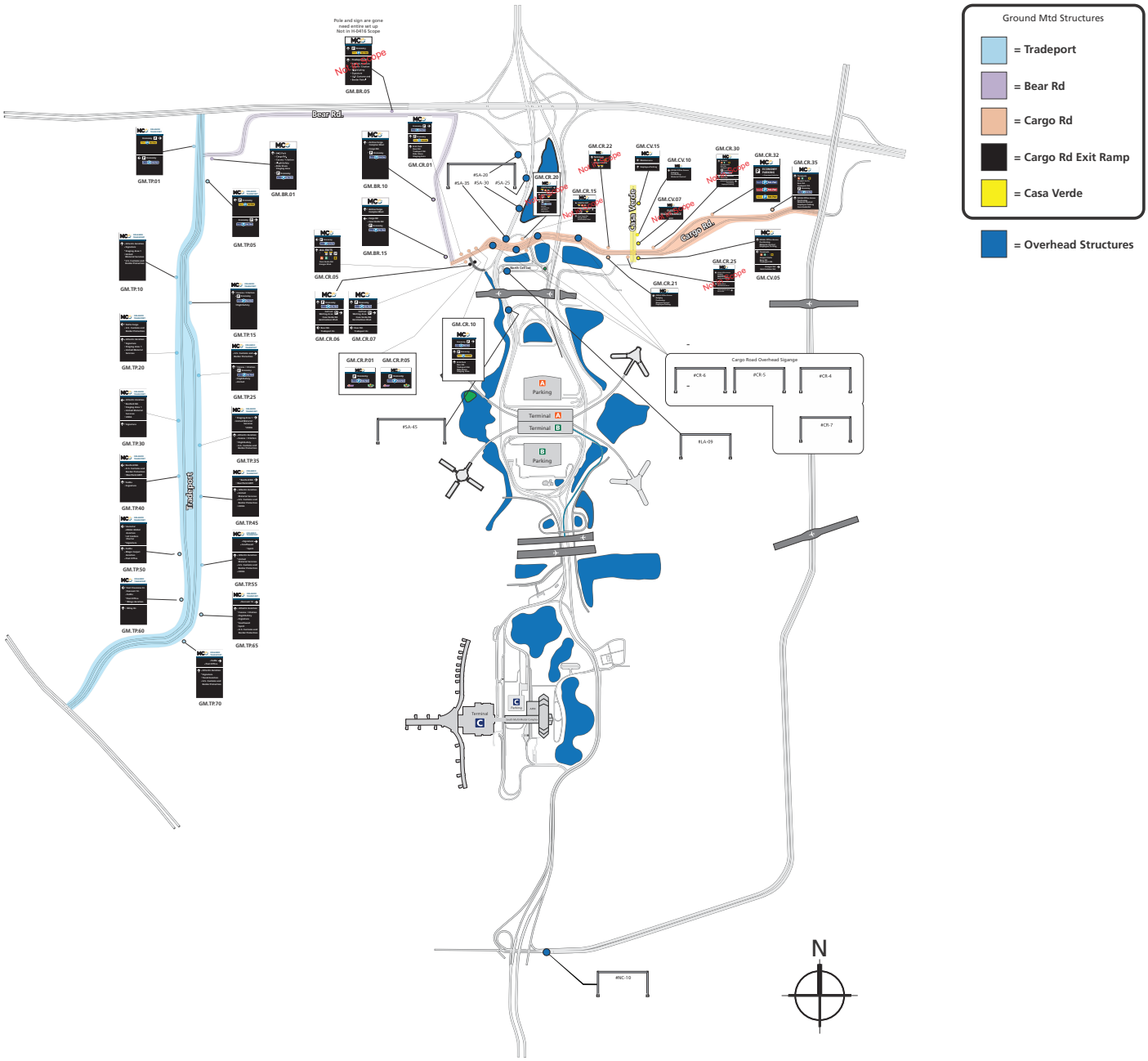
DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The Scope of work is to paint and repair ground-mounted structures. Locations are as noted in the attached design documents on Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

☒ **ATTACHMENTS INCLUDED:**

Drawings:

Discipline	Drawing No.	Revision Date	Revision Narrative
Wayfinding	Location Map – V2	03/06/2026	Location Map
Wayfinding	Part 1	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Part 2	03/06/2026	Scope Definition Documents w/graphic details and location Maps

31 - Ground Mtd Structures
11- Overhead Structures



All locations are approximate.
Final locations to be coordinated in field with GOAA OAR Team.

Orlando International Airport

H-00416

Overhead & Ground Mtd. Sign Updates PART 1 - D/B

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

01.01 - Cover
01.02 - Index
01.03 - Painting Details
01.04 thru 01.41 - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

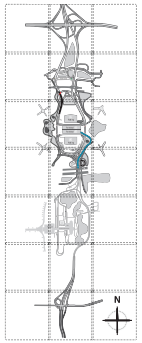
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.02

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

General Surface Coating Notes:
The Contractor shall paint the vertical and horizontal support columns of the sign structures. The painting shall be done following erection of the proposed overhead sign supports and prior to final acceptance. This provision does not change any of the requirements set forth in the contract pertaining to the overhead sign structures, but rather provides a means for enhancing the aesthetics of the final product. The Contractor shall have a minimum of 5 years experience in painting FDOT structures.

The Contractor shall clean and paint in accordance with this specification. The provisions of ASTM D 2092, "Preparation of Zinc Coated (Galvanized) Steel Surfaces for Painting"; and Sections 560 and 562 of the Technical Specifications not in conflict with this specification also apply. "Spot" repairs are not permitted. No claims for delays or time extensions will be considered should the work be stopped due to failure of the Contractor to meet the requirements of this specification.

The Contractor shall clean and paint from the top of the structure down to prevent accumulation of debris or damage to previously painted surfaces under this Project.

The Contractor shall clean and paint galvanizing before re-attachment of upright attachments, e.g. electrical disconnect switch boxes, electrical conduit, DMS controller boxes, FON conduit, or recently installed antennae.

Pollution Control:
Comply with all applicable Federal, State, and local rules and regulations. In the event the Contractor violates any environmental regulations or fails to properly execute any pollution control provisions, the owner has the authority to immediately cease all operations associated with the infraction. Operations will only resume after written proposed corrective procedures have been submitted to and approved by owner and implemented.

Ambient Conditions:
Do not conduct final surface preparation on bare substrate or apply paint unless the steel surface temperature is 5°F above the dew point and the relative humidity is below 85%. No paint shall be applied when the ambient air or surface temperature is less than 50° F or above 95° F, unless authorized in writing by the owner.

Submit the following to GOAA:
- Proof of 5 years experience in painting FDOT structures
- Applicable Contractor personnel training and certifications.
- Contractor's Environmental, Health and Safety plan.
- Contractor's Quality Control plan
- Manufacturer's Product Data Sheets (PDS) and Material Safety Data Sheets (MSDS) for all materials to be used on the project.
- Certification from the manufacturer that all coating materials contain less than 100 ppm lead.
- (3) Physical coating samples on a 6" x 6" steel plate.
- supply (5) gallons of attic stock paint (at project completion)

Surface Preparation:
Clean all existing surfaces to meet the requirements of SSPC-SP1.
Use a minimum of a pressurized (minimum of 3,500 psi at the nozzle) potable water wash. Hold nozzle no more than 12 inches from the surface being cleaned. Mechanical (e.g. scrub brushes), steam cleaning or other means may also be necessary. All cleaners must be approved by the coatings manufacturer and reviewed by the owner prior to use. Do not use hydrocarbon solvents.
Prepare all surface in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-S-3 Power Tool Cleaning.

Painting General:
- Do not apply any paint that contains more than 100 ppm lead.
- Brush or roller apply all coatings. Spray application is not permitted.
- Minimum and maximum dry film thicknesses (DFT) of each coat and time period between coats shall be recommended by the manufacturer's corrosion engineer or available within their published literature; and submitted to GOAA for acceptance.
- Remove any paint that curls or lifts after application and repaint the areas as per specification.
- Determine wet film thickness during application in accordance with ASTM D 4414, "Standard Practice for Measurement of Wet Film Thickness by Notch Gages".
- Determine dry film thickness in accordance with SSPC PA-2, "Measurement of Dry Coating Thickness with Magnetic Gages". If dry film thickness does not conform to specified ranges, correct the deficiency as directed by the owner.
- The color of the finish coat of the structures shall by approved by the owner.

Coating Materials:
All coatings materials must be submitted and approved by the owner prior to start of project.

Coating system:
- 1st Coat -"Spot" Prime previously prepared bare metal substrate with Gulf Coast Paints Gulf Coast Paints CM 15 High Build Epoxy Mastic or equivalent as approved by the Owner
- 2nd Coat - Full Coat of Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.
- 3rd Coat – Full Coat Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.

Prevent any wet paint from damaging property. If any accidental spill, immediately contact the owner for evaluation. Be responsible for any cleanup due to accidental spill, overspray, etc., and all work and liability associated with the cleanup effort. Remove any paint that comes in contact with concrete or other surfaces not specified to be painted at no expense to the owner.

Paint Color = Gulf Coast MCU 100 Aluminum
provide samples for approval

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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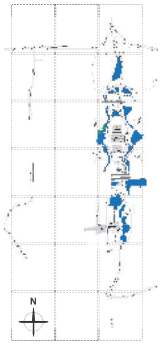
Orlando, FL 32801
www.artidentity.us



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Painting Details

Drawing No.

01.03

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

1 Existing Elevation View (GM.TP.01)
Not to Scale

1 Concept Elevation View (GM.TP.01)
Not to Scale

1 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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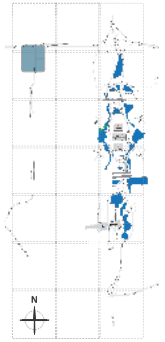
Key Plan



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

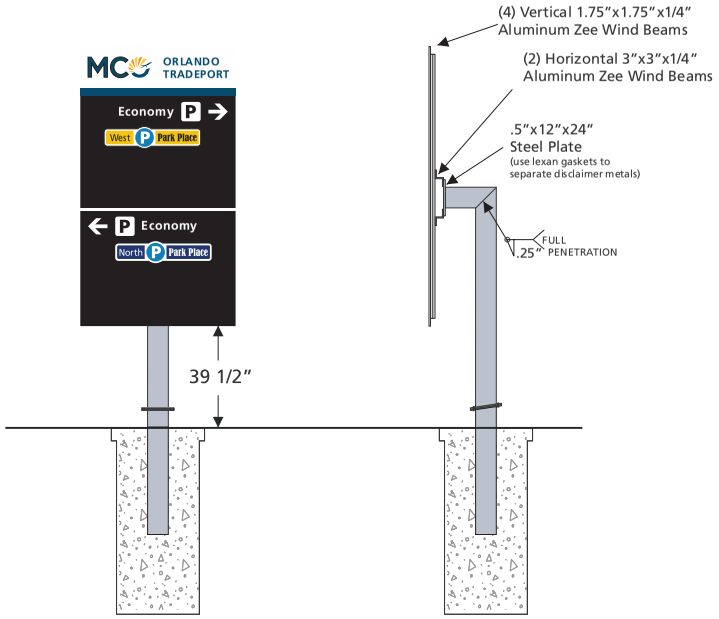
Drawing Title:

GM-TP-01

Drawing No.

01.04

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



1 Front Elevation View
Scale is 1/4" = 1'

1 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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H-0416
Overhead & Ground Mtd. Sign Updates

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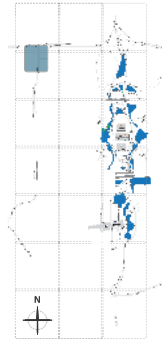


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-01

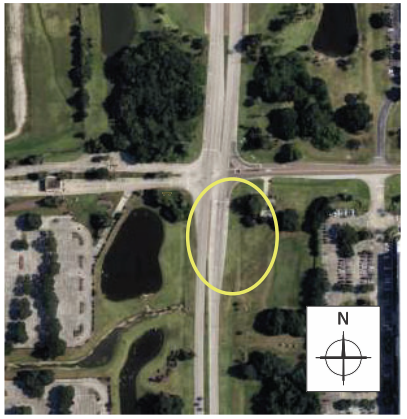
Drawing No.

01.05

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

2 Existing Elevation View (GM.TP.05)
Not to Scale

2 Concept Elevation View (GM.TP.05)
Not to Scale



2 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
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*New sign by G-049 Contractor

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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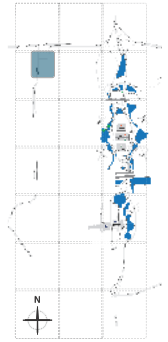


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

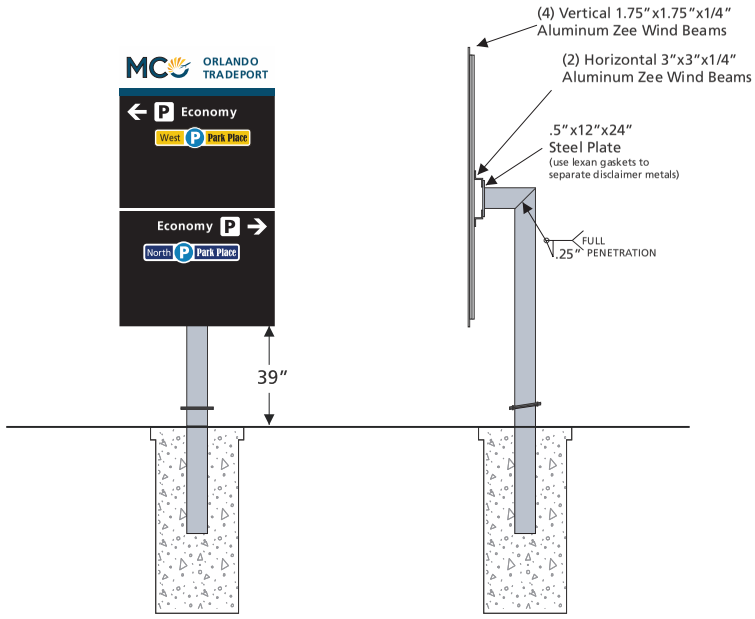
Drawing Title:

GM-TP-05

Drawing No.

01.06

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



2 Front Elevation View
Scale is 1/4" = 1'

2 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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H-0416
Overhead & Ground Mtd. Sign Updates

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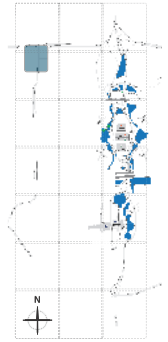


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-05

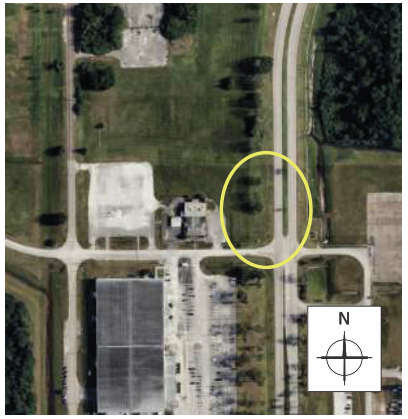
Drawing No.

01.07

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

3 Existing Elevation View (GM.TP.10)
Not to Scale

3 Concept Elevation View (GM.TP.10)
Not to Scale



3 Concept Site View
Not to Scale

Scope

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Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
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Overhead & Ground Mtd. Sign Updates

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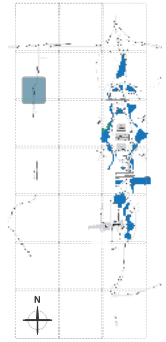


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

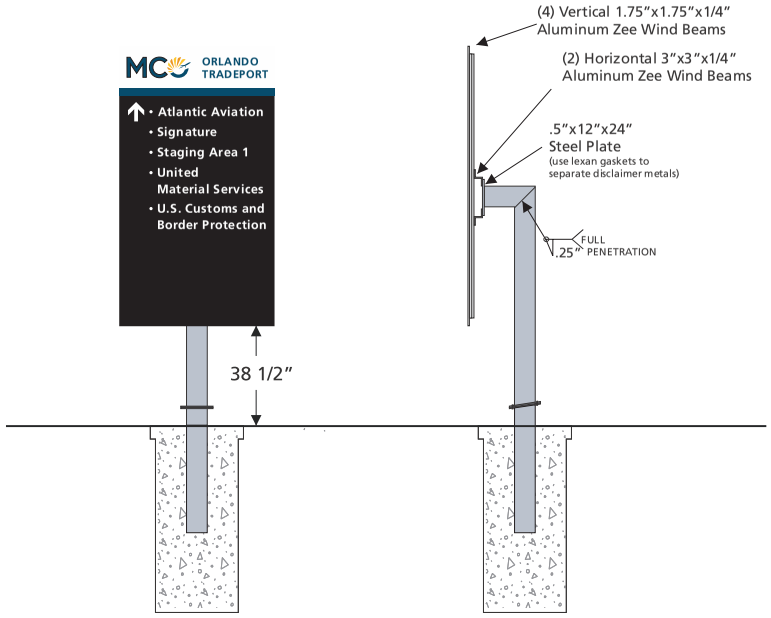
Drawing Title:

GM-TP-10

Drawing No.

01.08

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



3 Front Elevation View
Scale is 1/4" = 1'

3 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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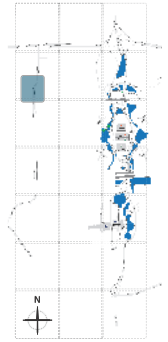


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

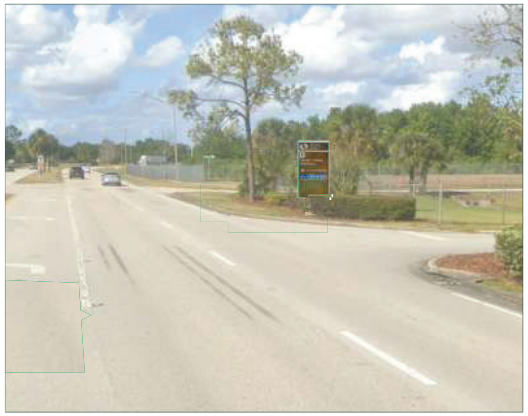
Drawing Title:

GM-TP-15

Drawing No.

01.09

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



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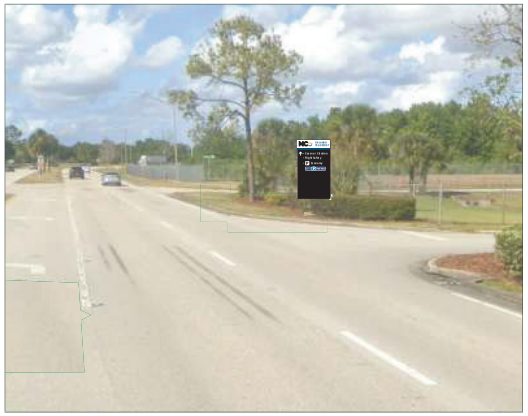

4 Concept Elevation View (GM.TP.15)
Not to Scale

4 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
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Remove and dispose of soils as required to leave area clean and tidy
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Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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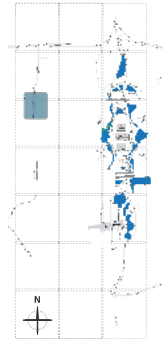


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

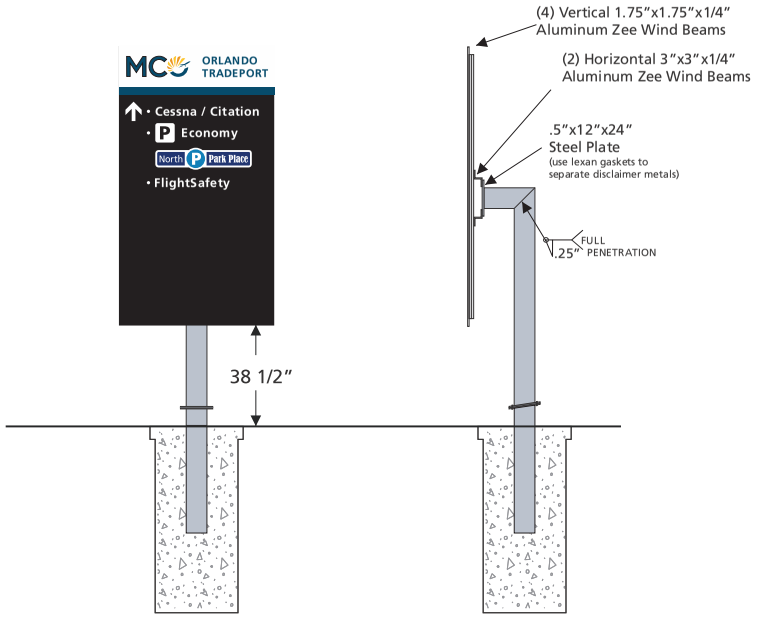
Drawing Title:

GM-TP-15

Drawing No.

01.10

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



4 Front Elevation View
Scale is 1/4" = 1'

4 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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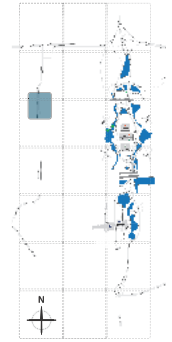
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-15

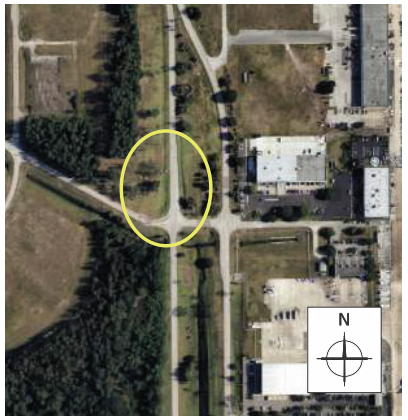
Drawing No.

01.11

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

5 Existing Elevation View (GM.TP.20)
Not to Scale

5 Concept Elevation View (GM.TP.20)
Not to Scale



5 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
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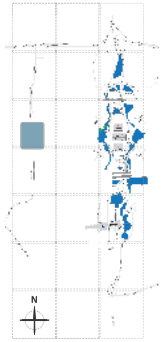


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

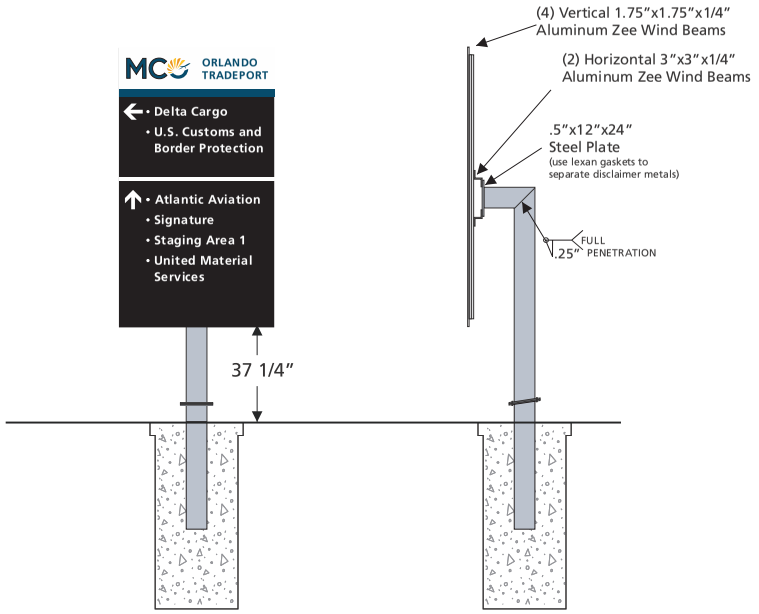
Drawing Title:

GM-TP-20

Drawing No.

01.12

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



5 Front Elevation View
Scale is 1/4" = 1'

5 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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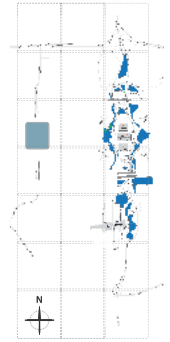


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

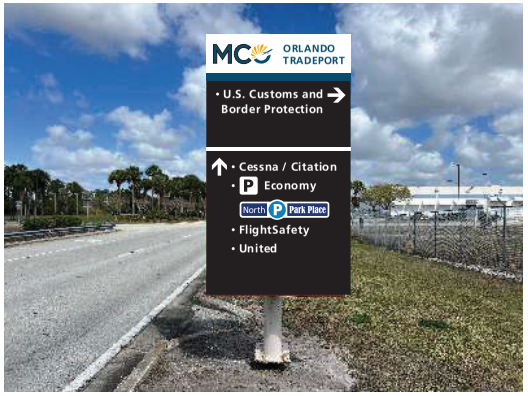
GM-TP-20

Drawing No.

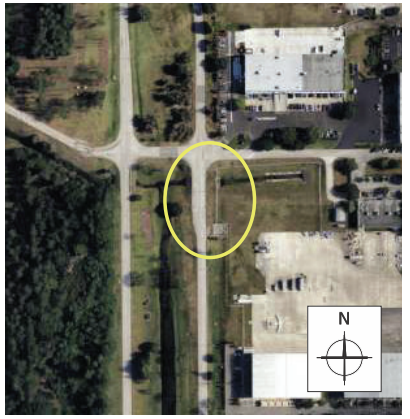
01.13

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

6 Existing Elevation View (GM.TP.25)
Not to Scale



6 Concept Elevation View (GM.TP.25)
Not to Scale



6 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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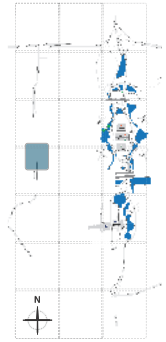
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

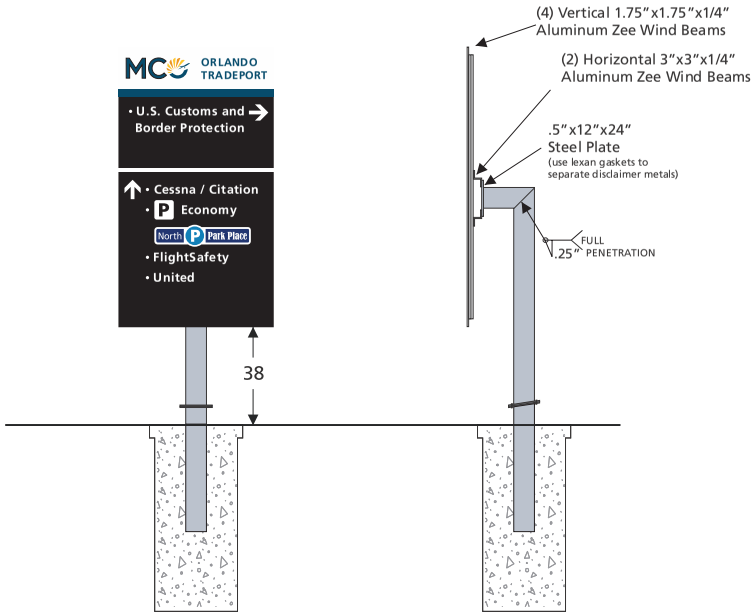
Drawing Title:

GM-TP-25

Drawing No.

01.14

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



6 Front Elevation View
Scale is 1/4" = 1'

6 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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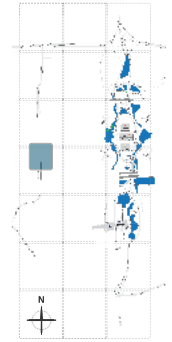
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-25

Drawing No.

01.15

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

7 Existing Elevation View (GM.TP.30)
Not to Scale

7 Concept Elevation View (GM.TP.30)
Not to Scale

7 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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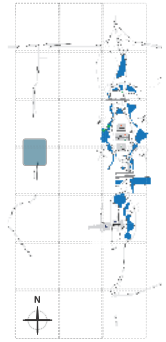
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

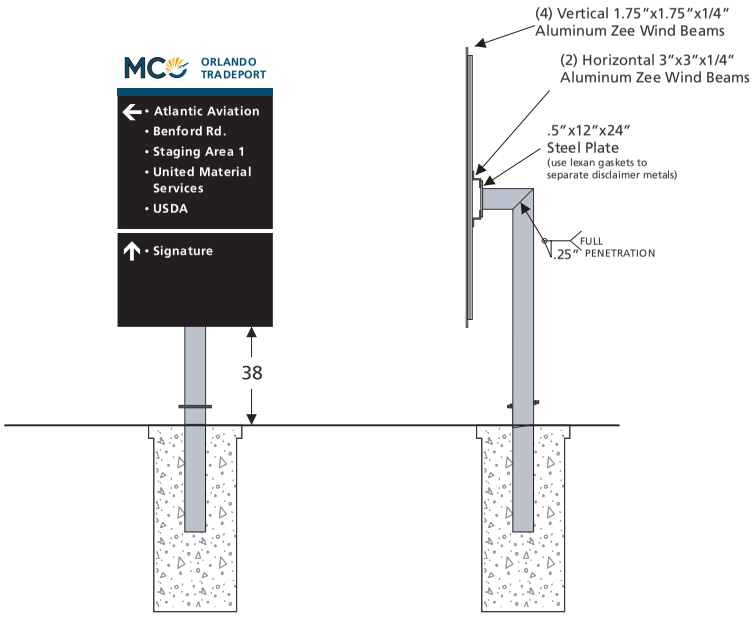
Drawing Title:

GM-TP-30

Drawing No.

01.16

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



7 Front Elevation View
Scale is 1/4" = 1'

7 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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Overhead & Ground Mtd. Sign Updates

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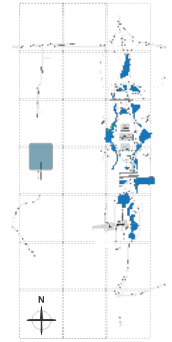
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-30

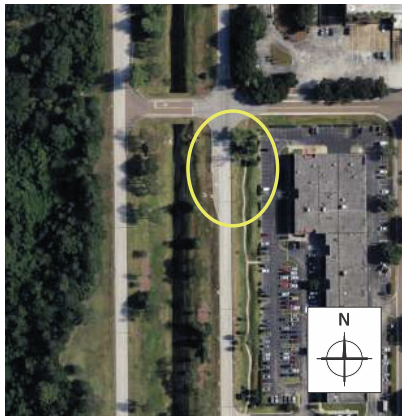
Drawing No.

01.17

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

8 Existing Elevation View (GM.TP.35)
Not to Scale

8 Concept Elevation View (GM.TP.35)
Not to Scale



8 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
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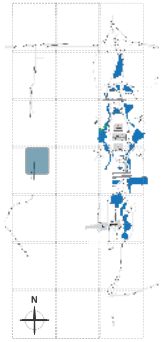
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

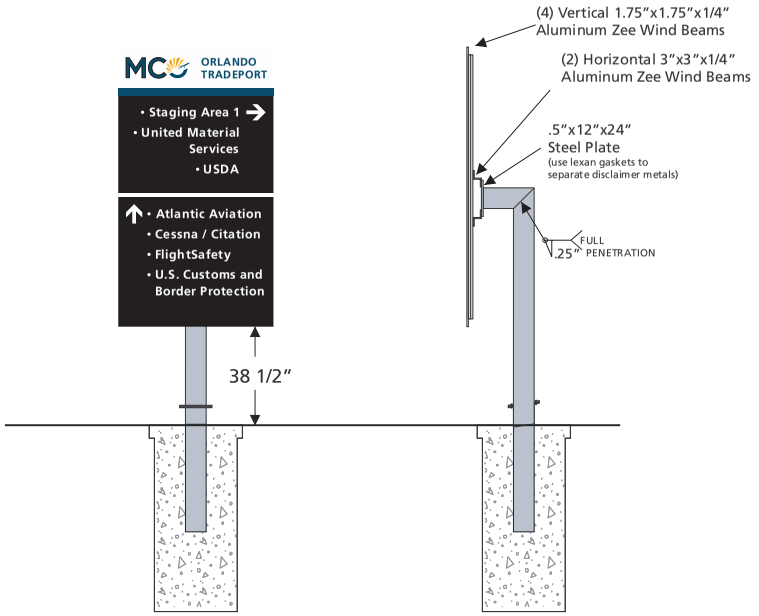
Drawing Title:

GM-TP-35

Drawing No.

01.18

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



8 Front Elevation View
Scale is 1/4" = 1'

8 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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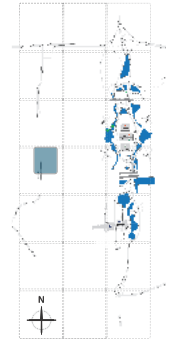


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-35

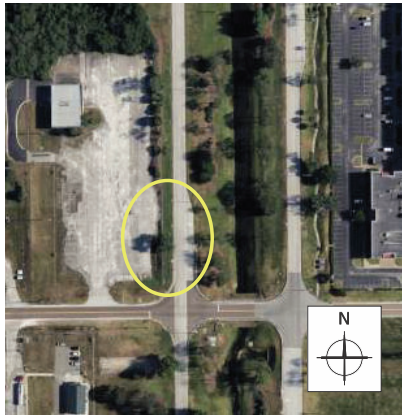
Drawing No.

01.19

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

9 Existing Elevation View (GM.TP.40)
Not to Scale

9 Concept Elevation View (GM.TP.40)
Not to Scale



9 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
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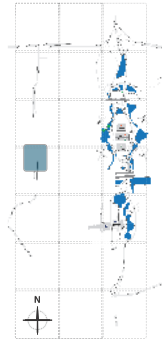
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

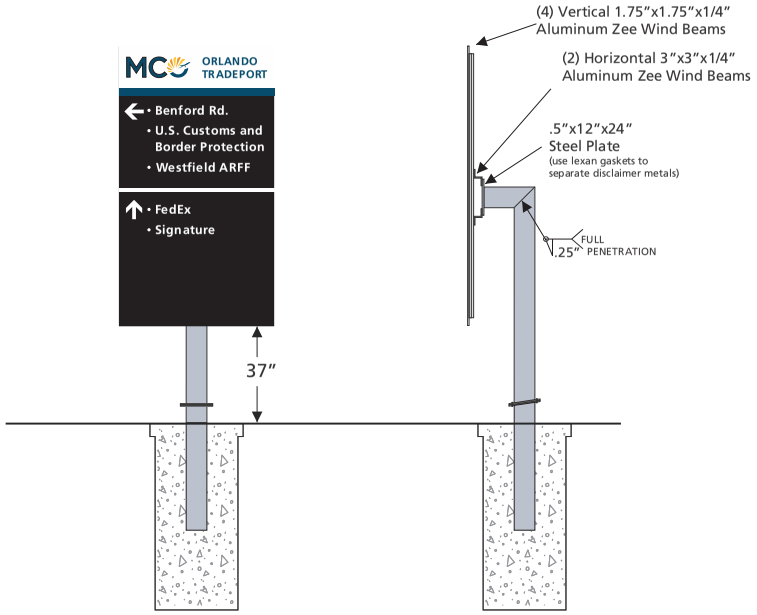
Drawing Title:

GM-TP-40

Drawing No.

01.20

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



9 Front Elevation View
Scale is 1/4" = 1'

9 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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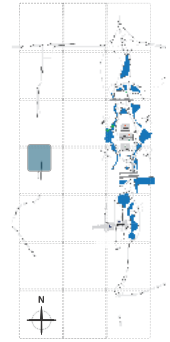
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

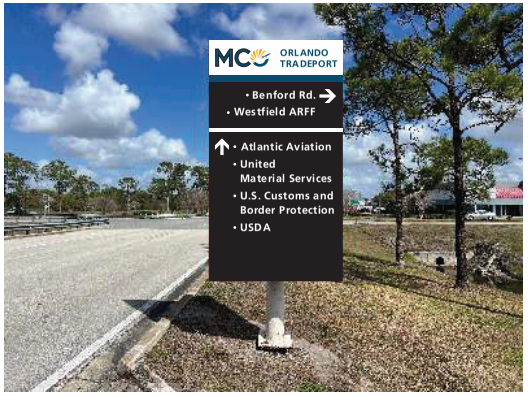
GM-TP-40

Drawing No.

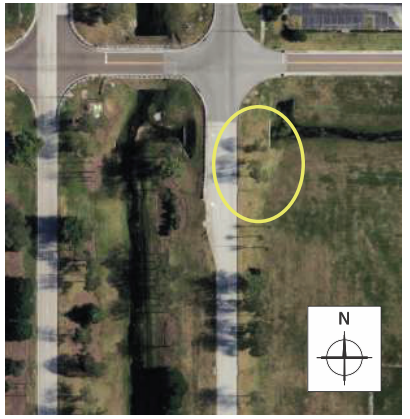
01.21

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

10 Existing Elevation View (GM.TP.45)
Not to Scale



10 Concept Elevation View (GM.TP.45)
Not to Scale



10 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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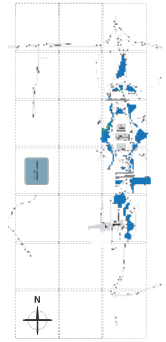
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

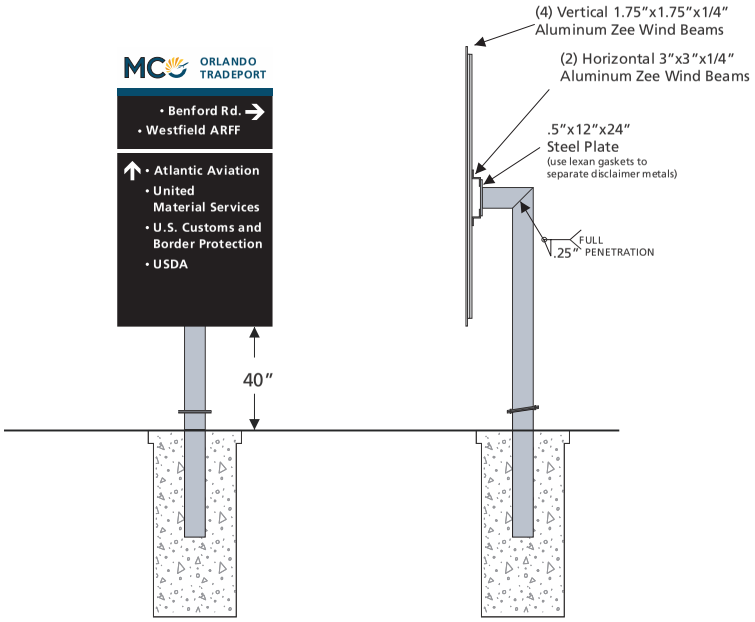
Drawing Title:

GM-TP-45

Drawing No.

01.22

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



10 Front Elevation View
Scale is 1/4″ = 1′

10 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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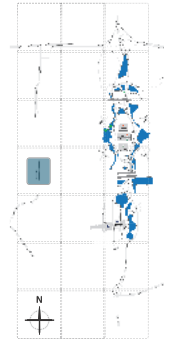
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-45

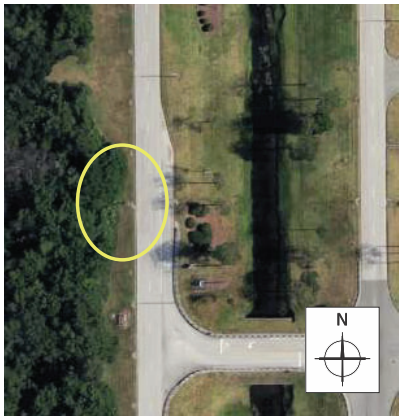
Drawing No.

01.23

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

11 Existing Elevation View (GM.TP.50)
Not to Scale

11 Concept Elevation View (GM.TP.50)
Not to Scale



11 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
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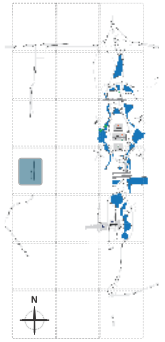
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

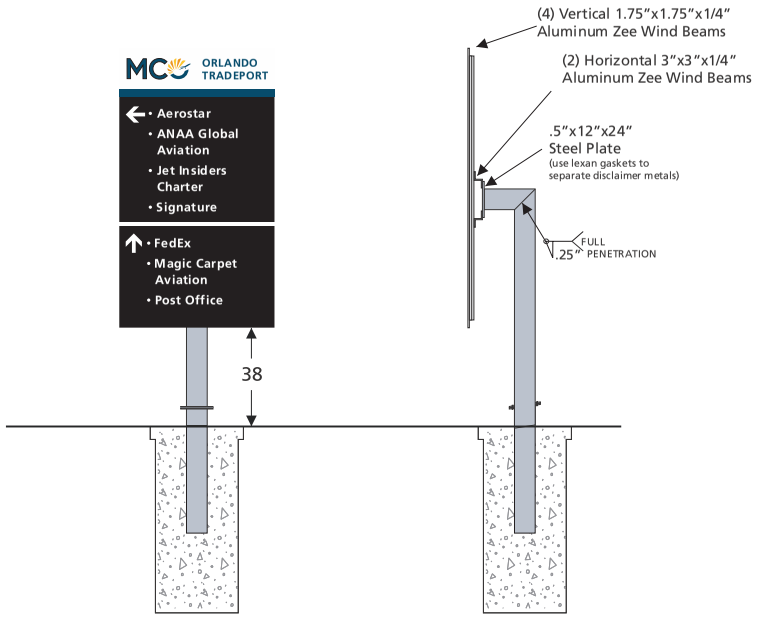
Drawing Title:

GM-TP-50

Drawing No.

01.24

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



11 Front Elevation View
Scale is 1/4" = 1'

11 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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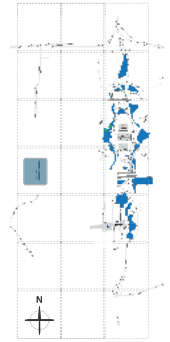
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-50

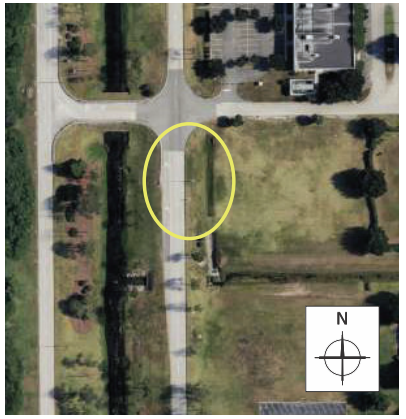
Drawing No.

01.25

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

12 Existing Elevation View (GM.TP.55)
Not to Scale

12 Concept Elevation View (GM.TP.55)
Not to Scale



12 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
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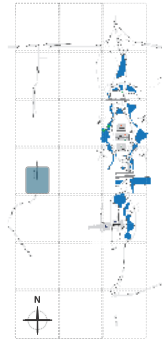
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

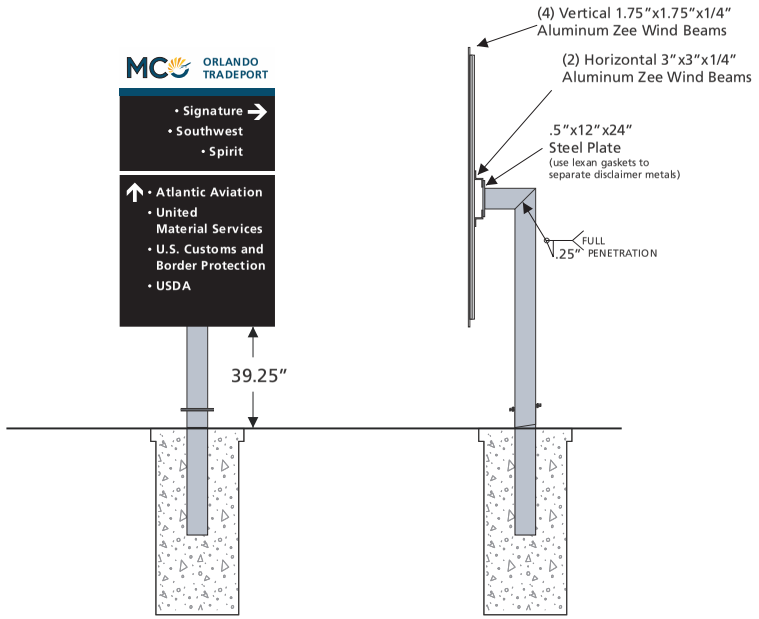
Drawing Title:

GM-TP-55

Drawing No.

01.26

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



12 Front Elevation View
Scale is 1/4" = 1'

12 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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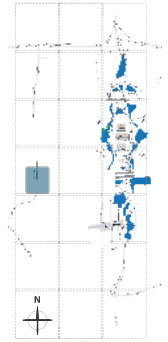


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

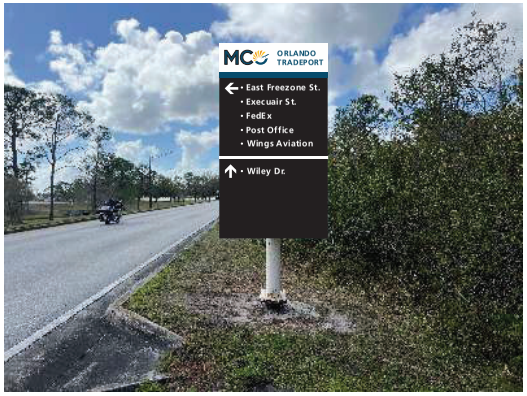
GM-TP-55

Drawing No.

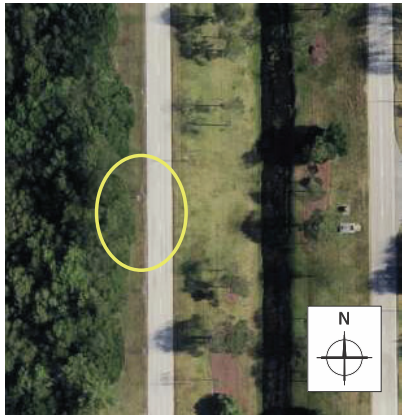
01.27

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

13 Existing Elevation View (GM.TP.60)
Not to Scale



13 Concept Elevation View (GM.TP.60)
Not to Scale



13 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

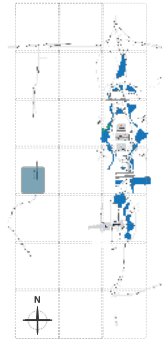
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

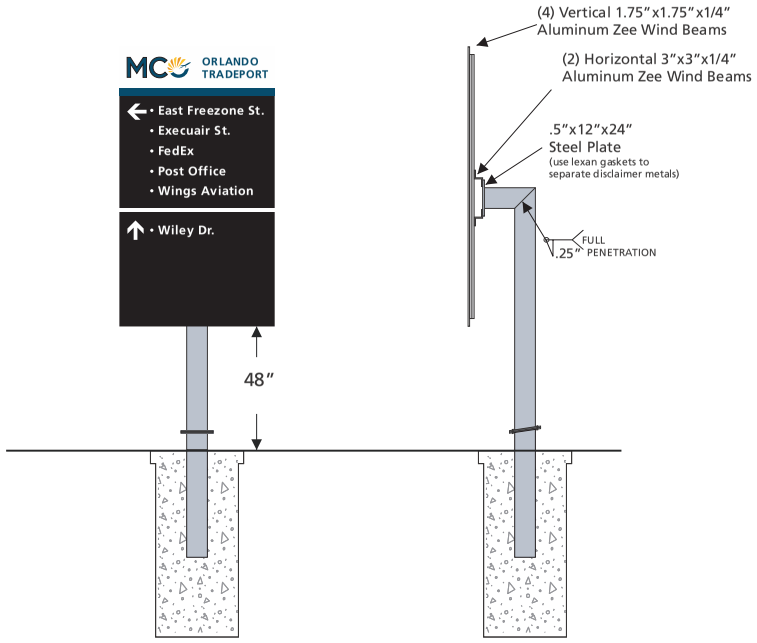
Drawing Title:

GM-TP-60

Drawing No.

01.28

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



13 Front Elevation View
Scale is 1/4″ = 1′

13 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

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Overhead & Ground Mtd. Sign Updates

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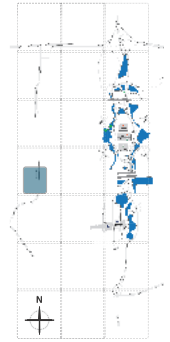
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-60

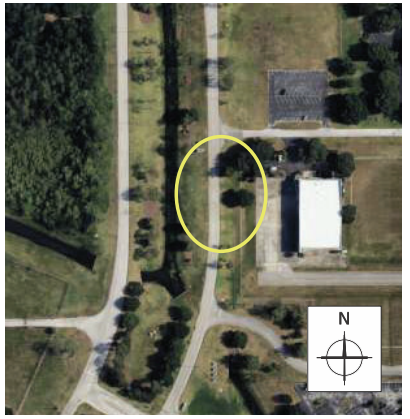
Drawing No.

01.29

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

14 Existing Elevation View (GM.TP.65)
Not to Scale

14 Concept Elevation View (GM.TP.65)
Not to Scale



14 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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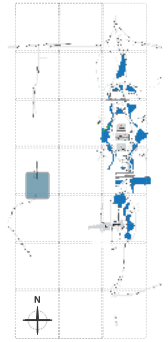
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

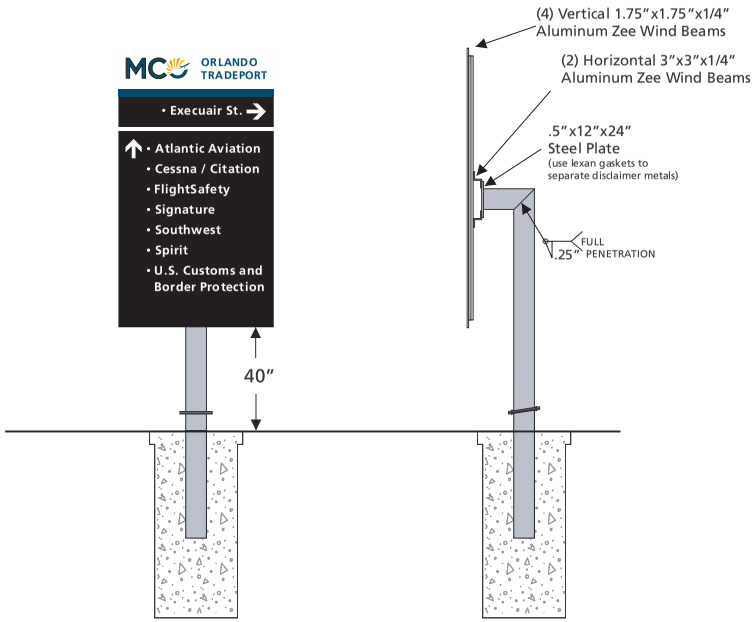
Drawing Title:

GM-TP-65

Drawing No.

01.30

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



14 Front Elevation View
Scale is 1/4" = 1'

14 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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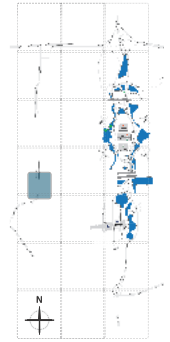
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-65

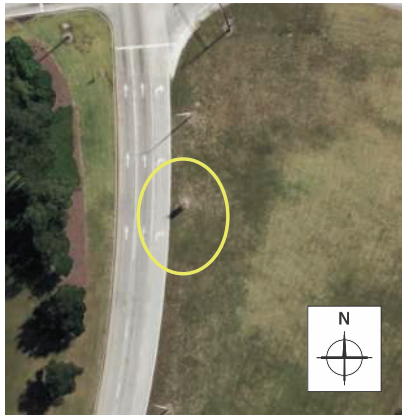
Drawing No.

01.31

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

15 Existing Elevation View (GM.TP.70)
Not to Scale

15 Concept Elevation View (GM.TP.70)
Not to Scale



15 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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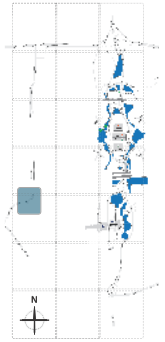
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

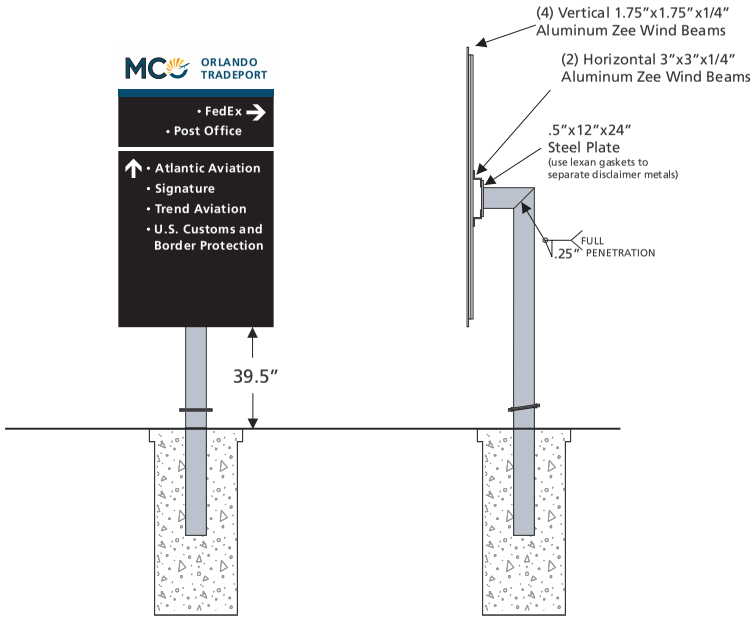
Drawing Title:

GM-TP-70

Drawing No.

01.32

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



15 Front Elevation View
Scale is 1/4" = 1'

15 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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Overhead & Ground Mtd. Sign Updates

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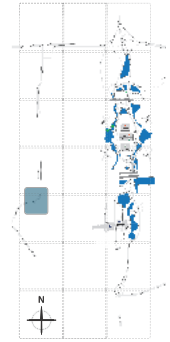
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-70

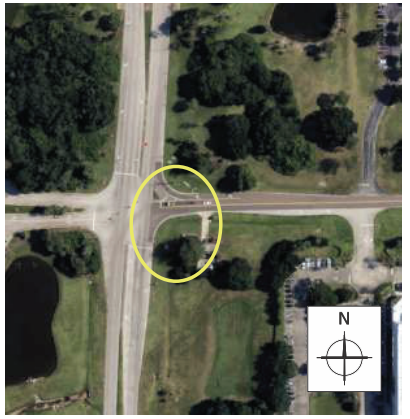
Drawing No.

01.33

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

16 Existing Elevation View (GM.BR.01)
Not to Scale

16 Concept Elevation View (GM.BR.01)
Not to Scale



16 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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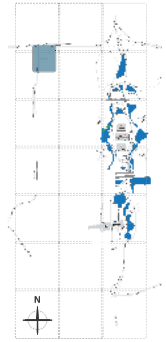
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

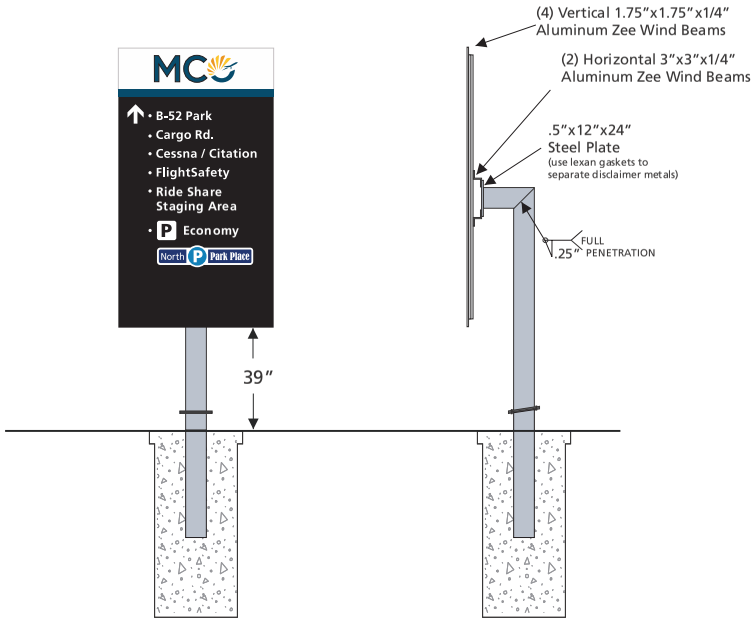
Drawing Title:

GM-BR-01

Drawing No.

01.34

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



16 Front Elevation View
Scale is 1/4" = 1'

16 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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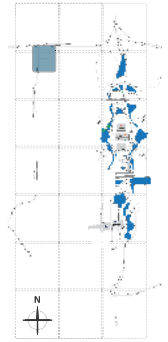
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

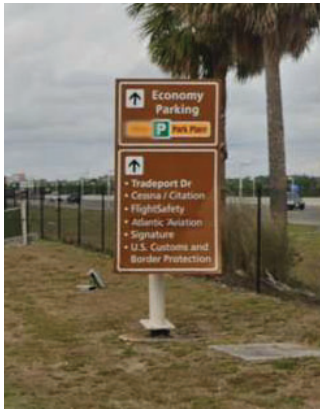
Drawing Title:

GM-BR-01

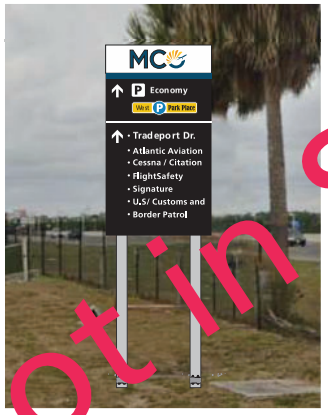
Drawing No.

01.35

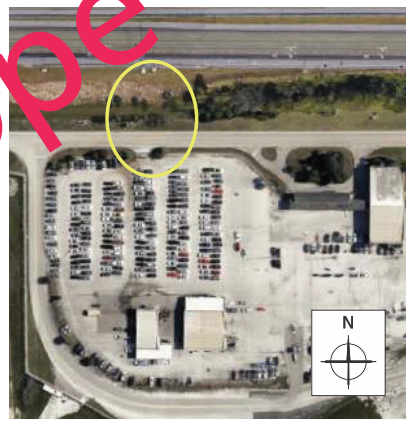
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



17 Existing Elevation View (GM.BR.05)
Not to Scale



17 Concept Elevation View (GM.BR.05)
Not to Scale



17 Concept Site View
Not to Scale

Sign not in Scope

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

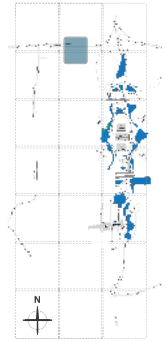
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-05

Drawing No.

01.35

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign

Sign not in Scope

17 Front Elevation View
Scale is 1/4″ = 1′

17 Side Elevation View
Scale is 1/4″ = 1′

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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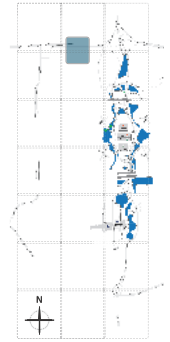
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-05

Drawing No.

01.37

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

18 Existing Elevation View (GM.BR.10)
Not to Scale

18 Concept Elevation View (GM.BR.10)
Not to Scale

18 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
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H-0416
Overhead & Ground Mtd. Sign Updates

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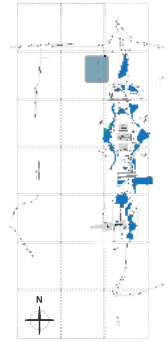
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

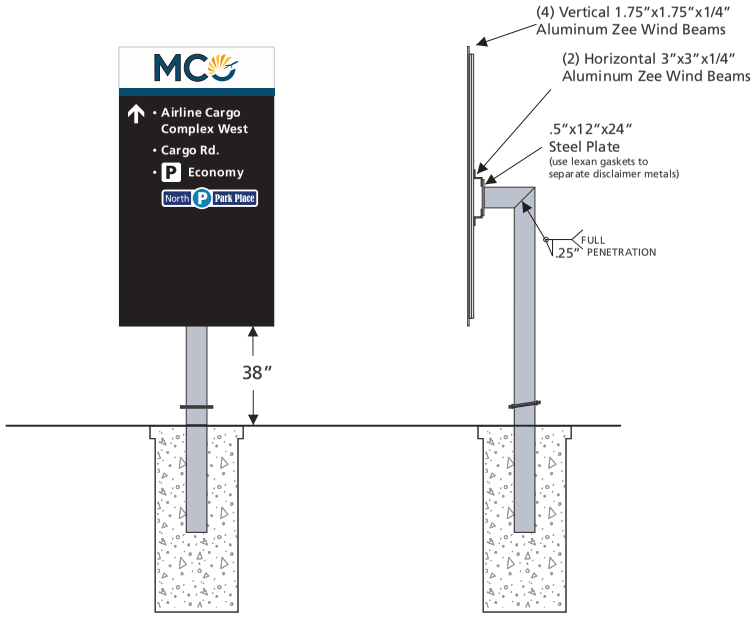
Drawing Title:

GM-BR-10

Drawing No.

01.38

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



18 Front Elevation View
Scale is 1/4″ = 1′

18 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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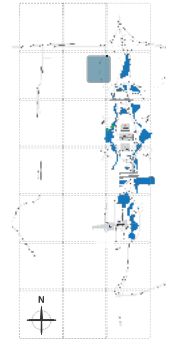
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-10

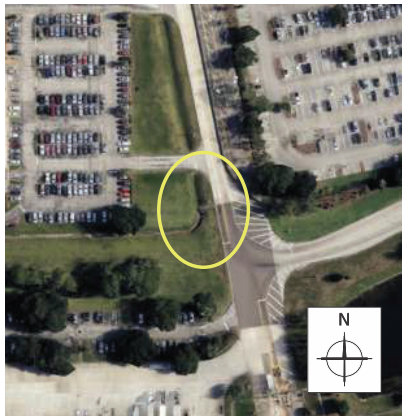
Drawing No.

01.39

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

19 Existing Elevation View (GM.BR.15)
Not to Scale

19 Concept Elevation View (GM.BR.15)
Not to Scale



19 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
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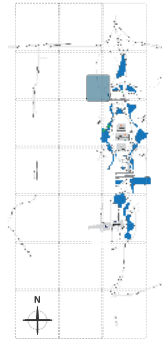
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

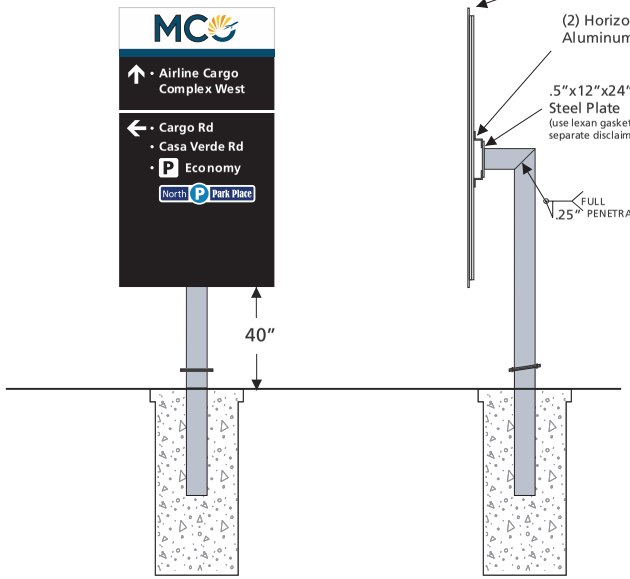
Drawing Title:

GM-BR-15

Drawing No.

01.40

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



19 Front Elevation View
Scale is 1/4" = 1'

19 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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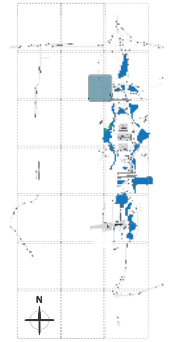
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-15

Drawing No.

01.41

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

H-00416

Overhead & Ground Mtd. Sign Updates PART 2 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

01.42 - Cover
01.43 - Index
01.44 - Painting Details
01.45 thru 01.84 - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

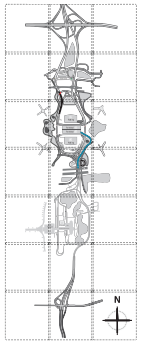
Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.43

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

General Surface Coating Notes:
The Contractor shall paint the vertical and horizontal support columns of the sign structures. The painting shall be done following erection of the proposed overhead sign supports and prior to final acceptance. This provision does not change any of the requirements set forth in the contract pertaining to the overhead sign structures, but rather provides a means for enhancing the aesthetics of the final product. The Contractor shall have a minimum of 5 years experience in painting FDOT structures.

The Contractor shall clean and paint in accordance with this specification. The provisions of ASTM D 2092, "Preparation of Zinc Coated (Galvanized) Steel Surfaces for Painting"; and Sections 560 and 562 of the Technical Specifications not in conflict with this specification also apply. "Spot" repairs are not permitted. No claims for delays or time extensions will be considered should the work be stopped due to failure of the Contractor to meet the requirements of this specification.

The Contractor shall clean and paint from the top of the structure down to prevent accumulation of debris or damage to previously painted surfaces under this Project.

The Contractor shall clean and paint galvanizing before re-attachment of upright attachments, e.g. electrical disconnect switch boxes, electrical conduit, DMS controller boxes, FON conduit, or recently installed antennae.

Pollution Control:
Comply with all applicable Federal, State, and local rules and regulations. In the event the Contractor violates any environmental regulations or fails to properly execute any pollution control provisions, the owner has the authority to immediately cease all operations associated with the infraction. Operations will only resume after written proposed corrective procedures have been submitted to and approved by owner and implemented.

Ambient Conditions:
Do not conduct final surface preparation on bare substrate or apply paint unless the steel surface temperature is 5°F above the dew point and the relative humidity is below 85%. No paint shall be applied when the ambient air or surface temperature is less than 50° F or above 95° F, unless authorized in writing by the owner.

Submit the following to GOAA:
- Proof of 5 years experience in painting FDOT structures
- Applicable Contractor personnel training and certifications.
- Contractor's Environmental, Health and Safety plan.
- Contractor's Quality Control plan
- Manufacturer's Product Data Sheets (PDS) and Material Safety Data Sheets (MSDS) for all materials to be used on the project.
- Certification from the manufacturer that all coating materials contain less than 100 ppm lead.
- (3) Physical coating samples on a 6" x 6" steel plate.
- supply (5) gallons of attic stock paint (at project completion)

Surface Preparation:
Clean all existing surfaces to meet the requirements of SSPC-SP1.
Use a minimum of a pressurized (minimum of 3,500 psi at the nozzle) potable water wash. Hold nozzle no more than 12 inches from the surface being cleaned. Mechanical (e.g. scrub brushes), steam cleaning or other means may also be necessary. All cleaners must be approved by the coatings manufacturer and reviewed by the owner prior to use. Do not use hydrocarbon solvents.
Prepare all surface in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-S-3 Power Tool Cleaning.

Painting General:
- Do not apply any paint that contains more than 100 ppm lead.
- Brush or roller apply all coatings. Spray application is not permitted.
- Minimum and maximum dry film thicknesses (DFT) of each coat and time period between coats shall be recommended by the manufacturer's corrosion engineer or available within their published literature; and submitted to GOAA for acceptance.
- Remove any paint that curls or lifts after application and repaint the areas as per specification.
- Determine wet film thickness during application in accordance with ASTM D 4414, "Standard Practice for Measurement of Wet Film Thickness by Notch Gages".
- Determine dry film thickness in accordance with SSPC PA-2, "Measurement of Dry Coating Thickness with Magnetic Gages". If dry film thickness does not conform to specified ranges, correct the deficiency as directed by the owner.
- The color of the finish coat of the structures shall by approved by the owner.

Coating Materials:
All coatings materials must be submitted and approved by the owner prior to start of project.

Coating system:
- 1st Coat -"Spot" Prime previously prepared bare metal substrate with Gulf Coast Paints Gulf Coast Paints CM 15 High Build Epoxy Mastic or equivalent as approved by the Owner
- 2nd Coat - Full Coat of Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.
- 3rd Coat – Full Coat Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.

Prevent any wet paint from damaging property. If any accidental spill, immediately contact the owner for evaluation. Be responsible for any cleanup due to accidental spill, overspray, etc., and all work and liability associated with the cleanup effort. Remove any paint that comes in contact with concrete or other surfaces not specified to be painted at no expense to the owner.

Paint Color = Gulf Coast MCU 100 Aluminum
provide samples for approval

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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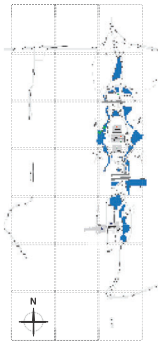
Orlando, FL 32801
www.artidentity.us



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Painting Details

Drawing No.

01.44

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

20 Existing Elevation View (GM.CR.01)
Not to Scale

20 Concept Elevation View (GM.CR.01)
Not to Scale

20 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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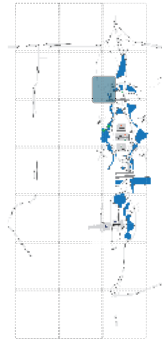

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Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

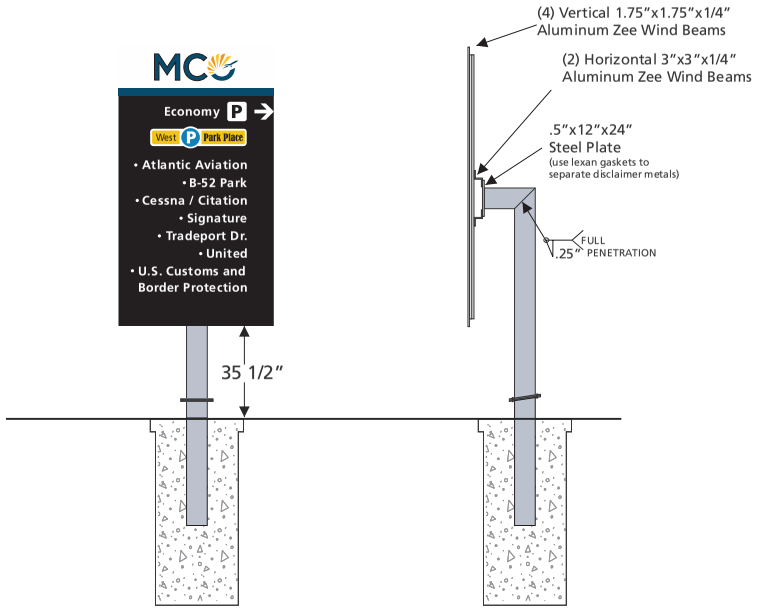
Drawing Title:

GM-CR-01

Drawing No.

01.45

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



20 Install View
Scale is 1/4" = 1'

20 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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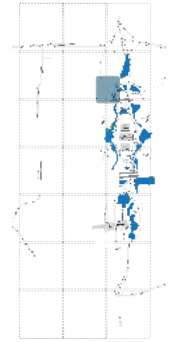

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Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-01

Drawing No.

01.46

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

21 Existing Elevation View (GM.CR.05)
Not to Scale

21 Concept Elevation View (GM.CR.05)
Not to Scale

21 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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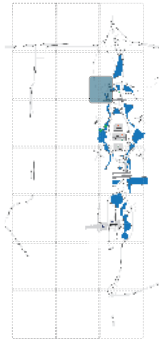


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

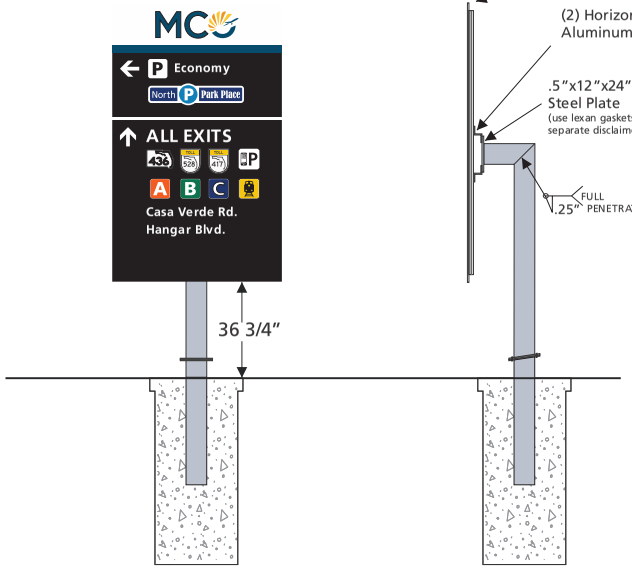
Drawing Title:

GM-CR-05

Drawing No.

01.47

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



21 Install View
Scale is 1/4" = 1'

21 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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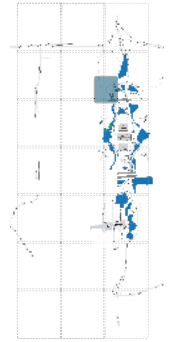
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-05

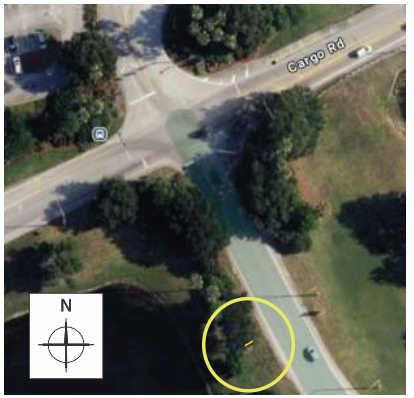
Drawing No.

01.48

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

22 Existing Elevation View (GM.CR.06)
Not to Scale

22 Concept Elevation View (GM.CR.06)
Not to Scale



22 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
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*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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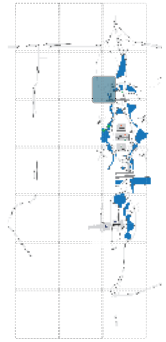
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

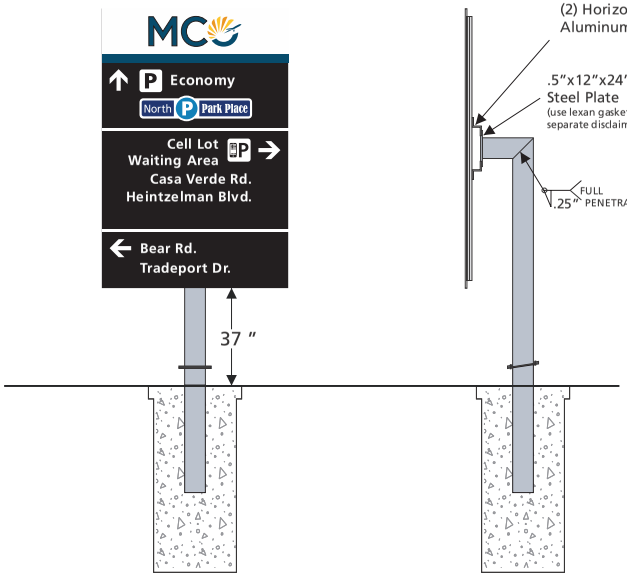
Drawing Title:

GM-CR-06

Drawing No.

01.49

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



22 Install View
Scale is 1/4″ = 1′

22 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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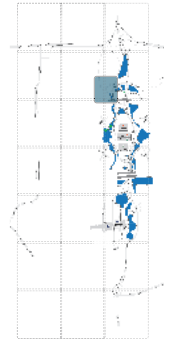


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

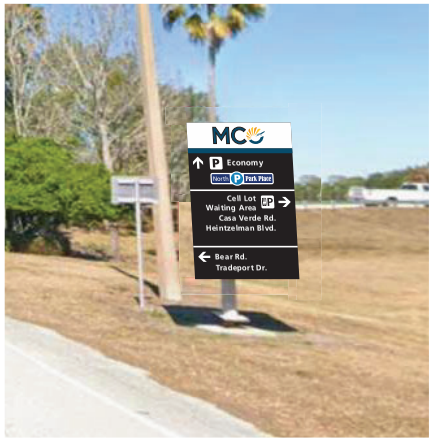
GM-CR-06

Drawing No.

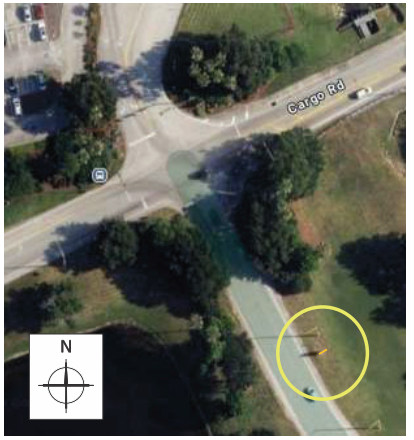
01.50

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

23 Existing Elevation View (GM.CR.07)
Not to Scale



23 Concept Elevation View (GM.CR.07)
Not to Scale



23 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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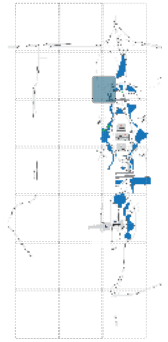


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

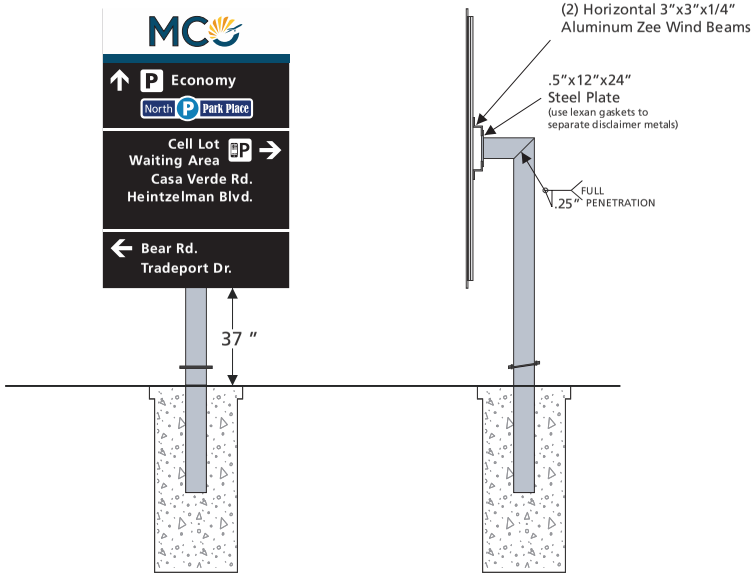
Drawing Title:

GM-CR-07

Drawing No.

01.51

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



23 Install View
Scale is 1/4″ = 1′

23 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

need current pics

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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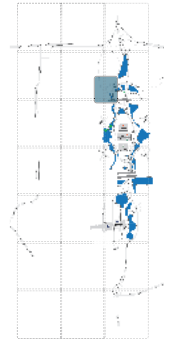
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-07

Drawing No.

01.52

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

24 Existing Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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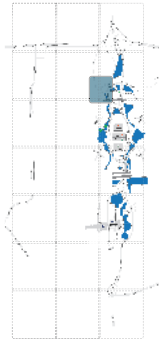
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

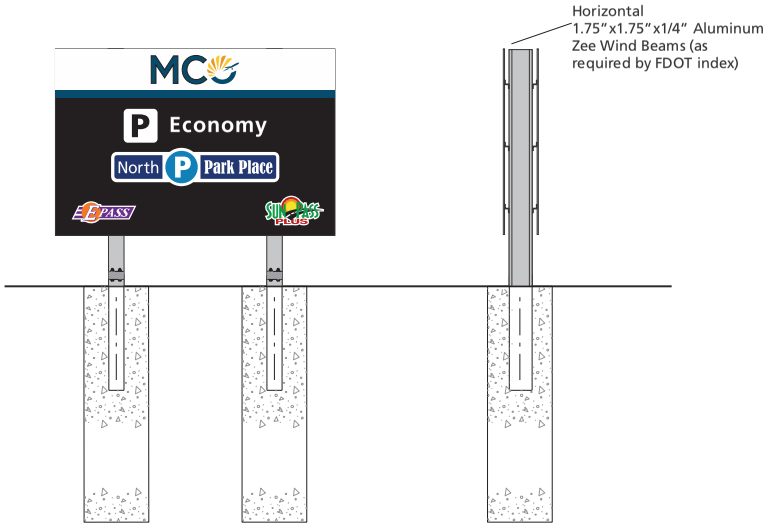
GM-CR-P-01

Drawing No.

01.53

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



24 Front Elevation View
Scale is 1/4" = 1'

24 Side Elevation View
Scale is 1/4" = 1'

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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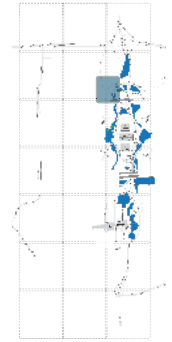

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Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

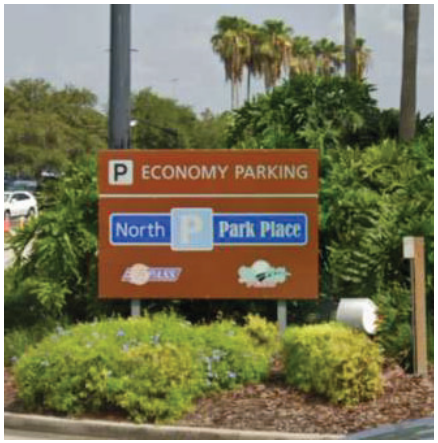
Drawing Title:

GM-CR-P-01

Drawing No.

01.54

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



25 Existing Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
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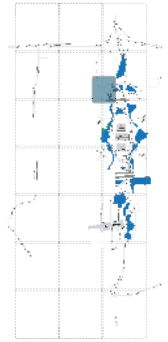

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Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

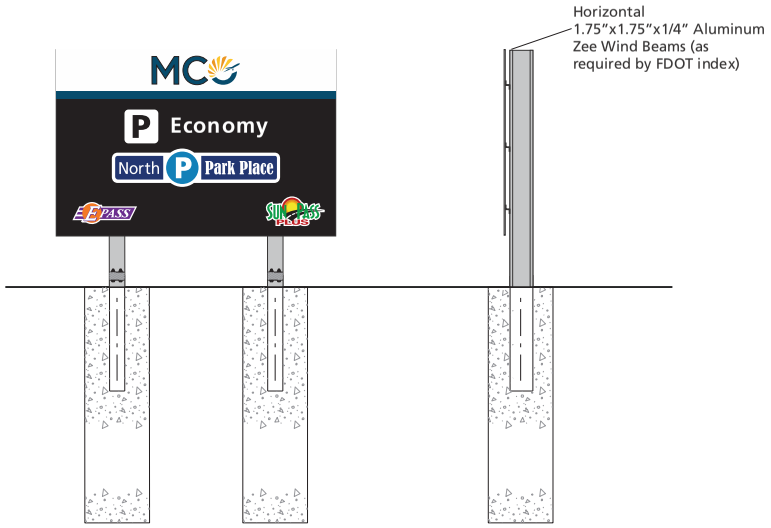
GM-CR-P-05

Drawing No.

01.55

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



25 Front Elevation View
Scale is 1/4" = 1'

25 Side Elevation View
Scale is 1/4" = 1'

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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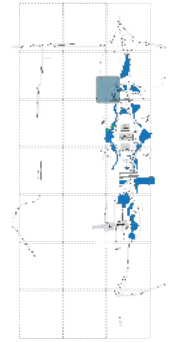
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-05

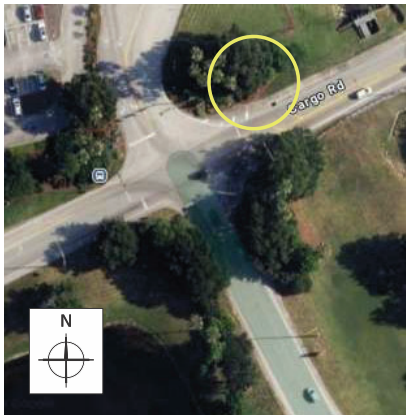
Drawing No.

01.56

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

26 Existing Elevation View (GM.CR.10)
Not to Scale

26 Concept Elevation View (GM.CR.10)
Not to Scale



26 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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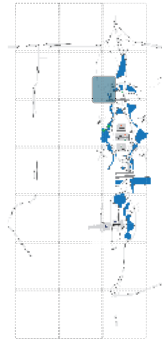
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

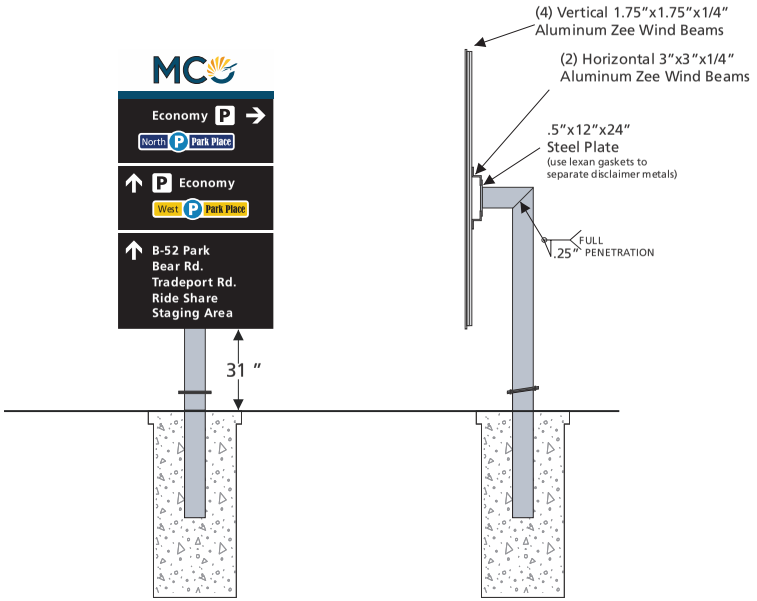
Drawing Title:

GM-CR-10

Drawing No.

01.57

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



26 Install View
Scale is 1/4" = 1'

26 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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Overhead & Ground Mtd. Sign Updates

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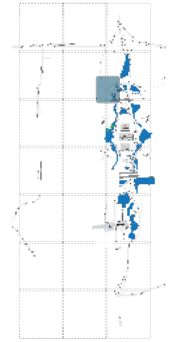
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-10

Drawing No.

01.58

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

30 Existing Elevation View (GM.CR.21)
Not to Scale

30 Concept Elevation View (GM.CR.21)
Not to Scale

30 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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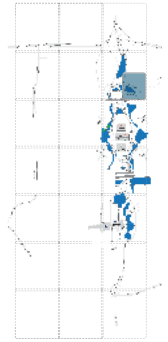
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

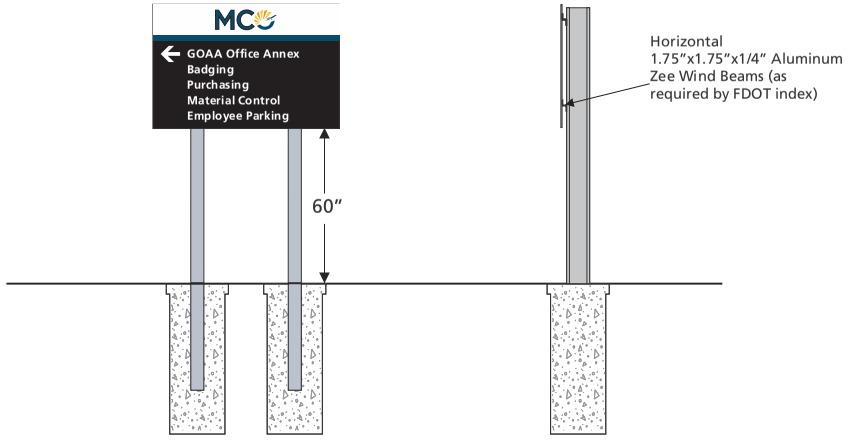
Drawing Title:

GM-CR-21

Drawing No.

01.59

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



30 Front Elevation View
Scale is 1/4" = 1'

30 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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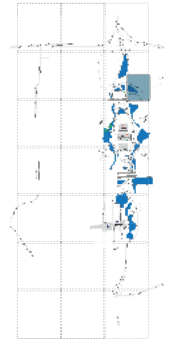
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-21

Drawing No.

01.60

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

32 Existing Elevation View (GM.CR.25)
Not to Scale

32 Concept Elevation View (GM.CR.25)
Not to Scale

32 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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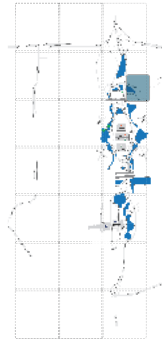
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

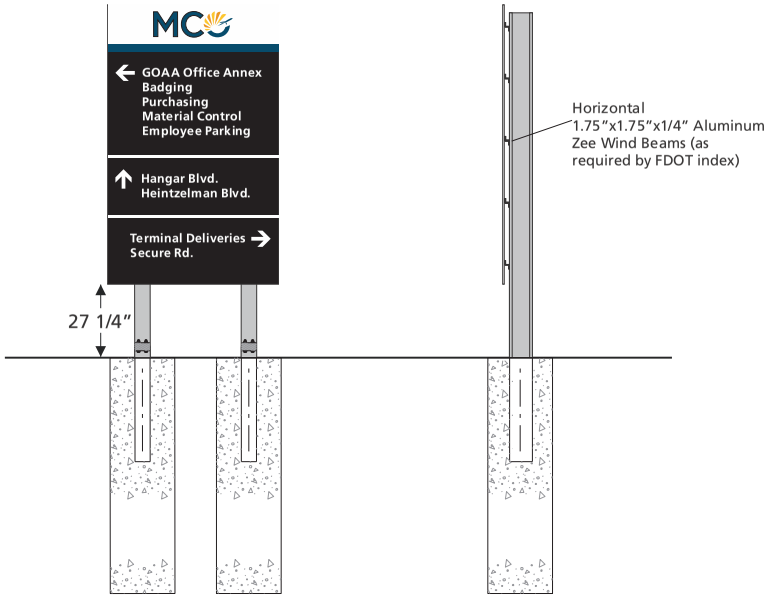
Drawing Title:

GM-CR-25

Drawing No.

01.61

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



32 Front Elevation View
Scale is 1/4" = 1'

32 Side Elevation View
Scale is 1/4" = 1'

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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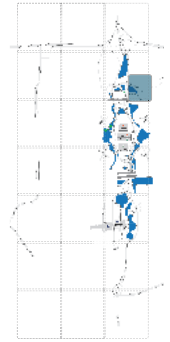
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-25

Drawing No.

01.62

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

34 Existing Elevation View (GM.CR.32)
Not to Scale

34 Concept Elevation View (GM.CR.32)
Not to Scale

34 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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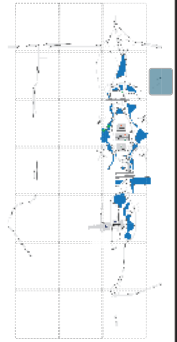
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

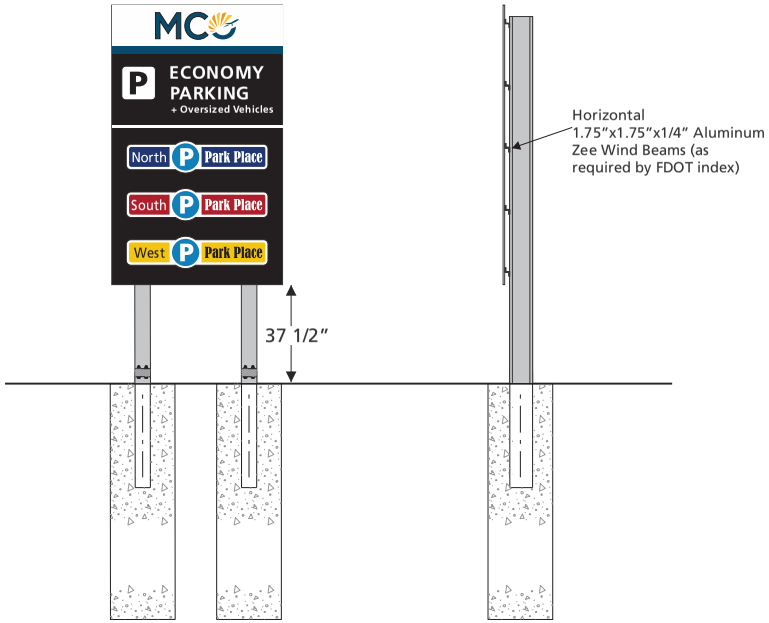
Drawing Title:

GM-CR-32

Drawing No.

01.63

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



34 Front Elevation View
Scale is 1/4" = 1'

34 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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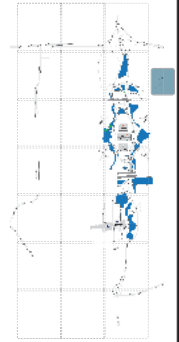
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-32

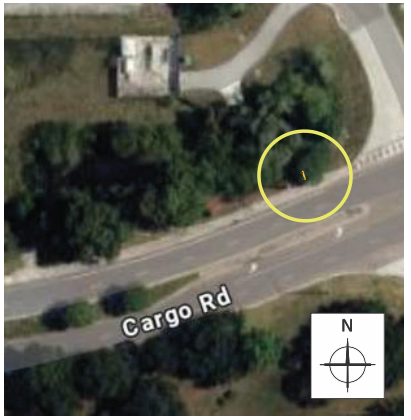
Drawing No.

01.64

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

35 Existing Elevation View (GM.CR.35)
Not to Scale

35 Concept Elevation View (GM.CR.35)
Not to Scale



35 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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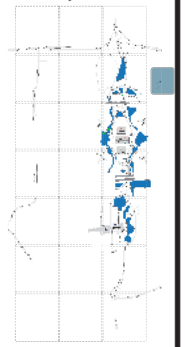
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

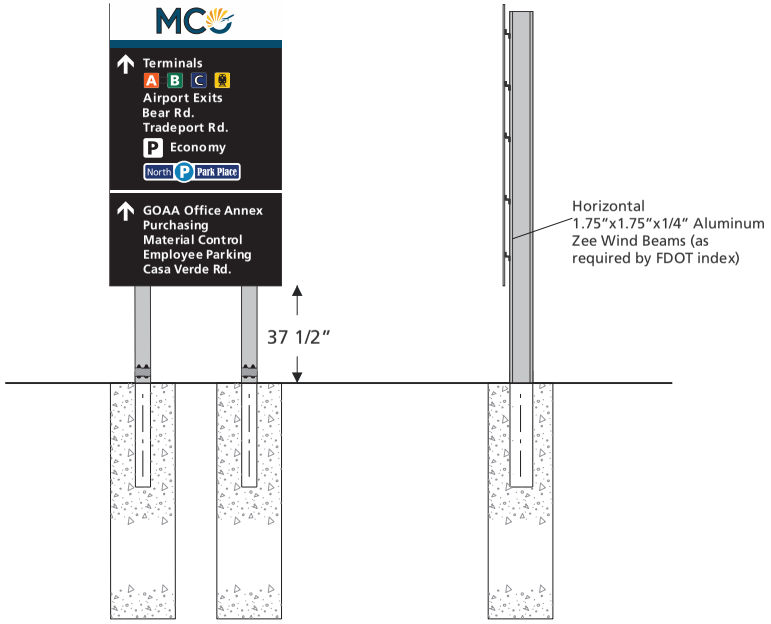
Drawing Title:

GM-CR-35

Drawing No.

01.65

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



35 Front Elevation View
Scale is 1/4" = 1'

35 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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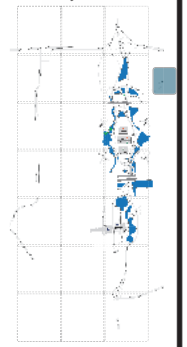


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

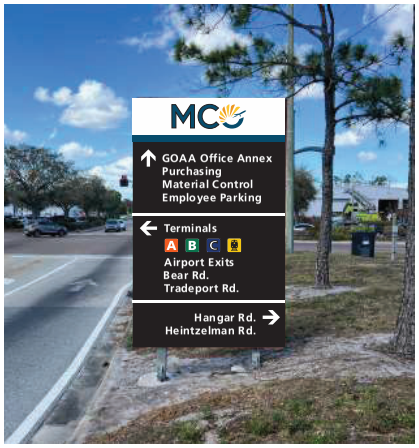
GM-CR-35

Drawing No.

01.66

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

36 Existing Elevation View (GM.CV.05)
Not to Scale



36 Concept Elevation View (GM.CV.05)
Not to Scale

36 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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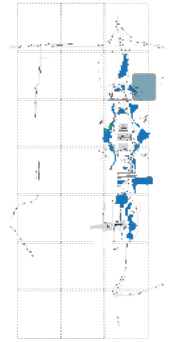


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

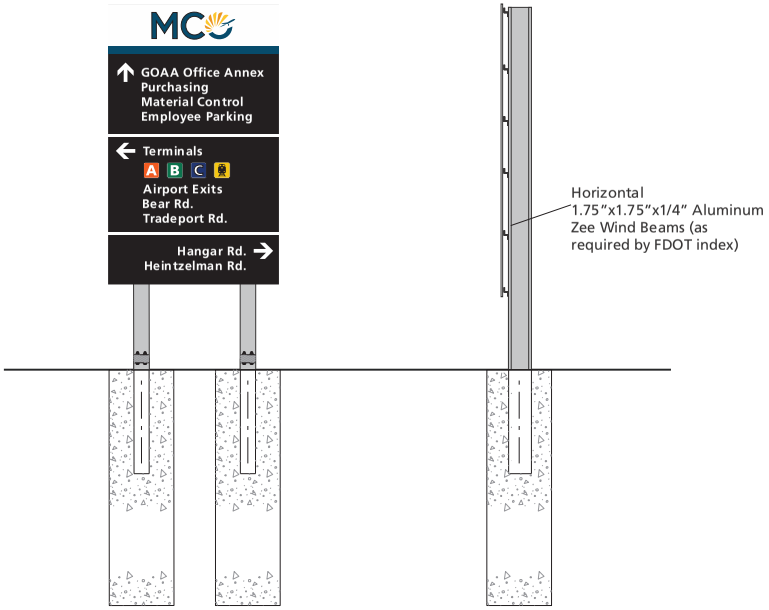
Drawing Title:

GM-CV-05

Drawing No.

01.67

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



36 Front Elevation View
Scale is 1/4" = 1'

36 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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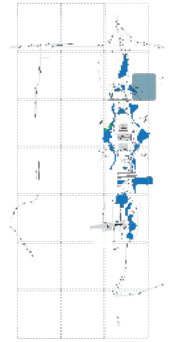
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-05

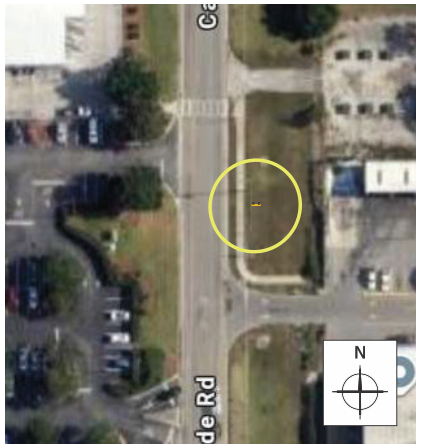
Drawing No.

01.68

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

37 Existing Elevation View (GM.CV.10)
Not to Scale

37 Concept Elevation View (GM.CV.10)
Not to Scale



37 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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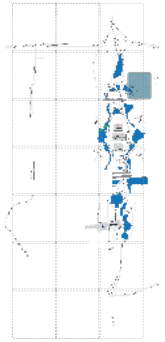
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

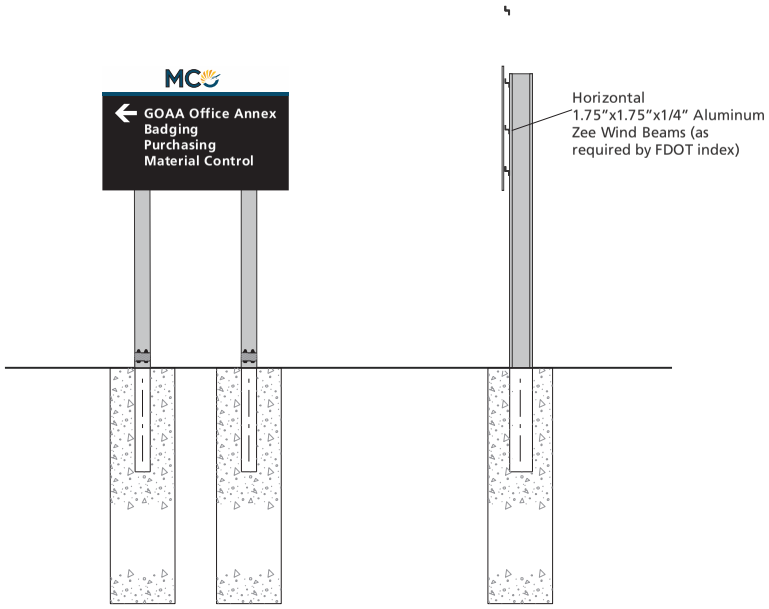
Drawing Title:

GM-CV-10

Drawing No.

01.69

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



37 Front Elevation View
Scale is 1/4" = 1'

37 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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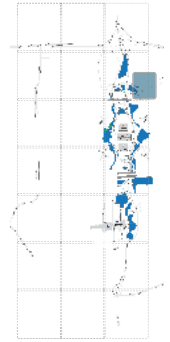
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-10

Drawing No.

01.70

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

38 Existing Elevation View (GM.CV.15)
Not to Scale

38 Concept Elevation View (GM.CV.15)
Not to Scale

38 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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Artistic Identity
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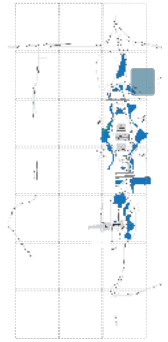
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

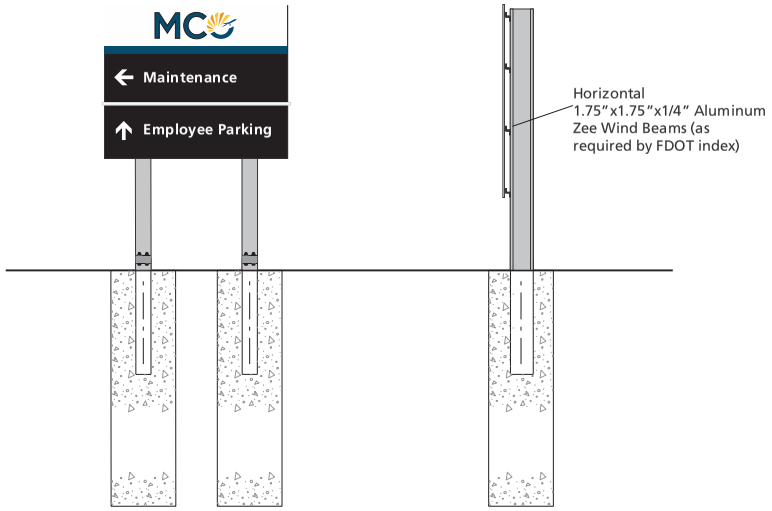
Drawing Title:

GM-CV-15

Drawing No.

01.71

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



38 Front Elevation View
Scale is 1/4" = 1'

38 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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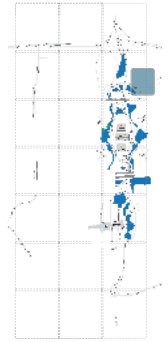
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

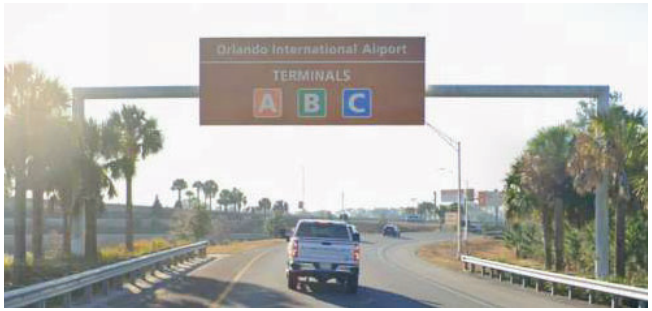
Drawing Title:

GM-CV-15

Drawing No.

01.72

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

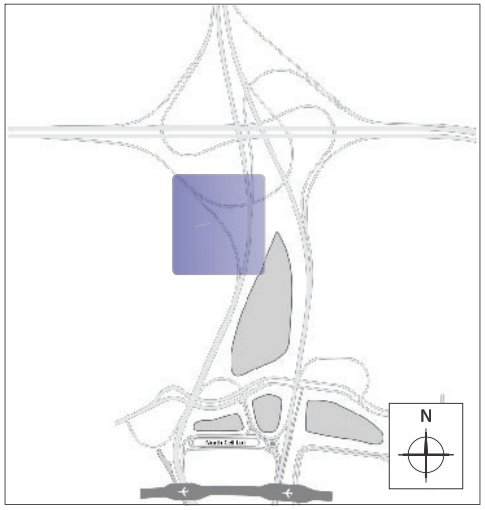


39 Existing Elevation View (SA.20)
Not to Scale

39 Elevation View (SA.20)
Not to Scale

General Location Area

39 Site View
Not to Scale



39 Location View
Not to Scale

39 Back Elevation View (SA.20)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

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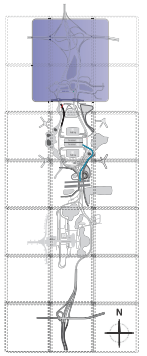


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-SA-20

Drawing No.

01.73

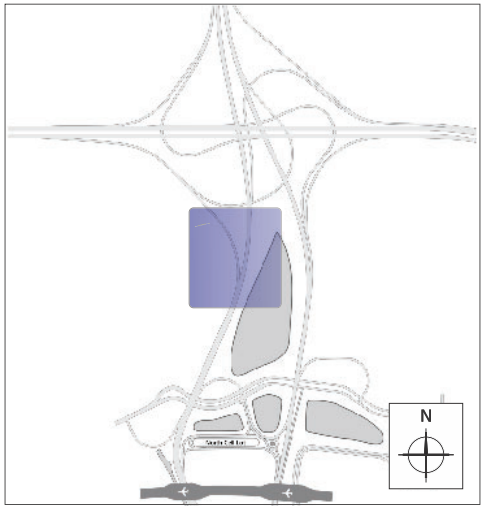
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

40 Existing Elevation View (SA.25)
Not to Scale

40 Elevation View (SA.25)
Not to Scale

General Location Area

40 Site View
Not to Scale



40 Location View
Not to Scale

40 Back Elevation View (SA.25)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
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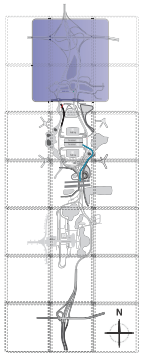


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

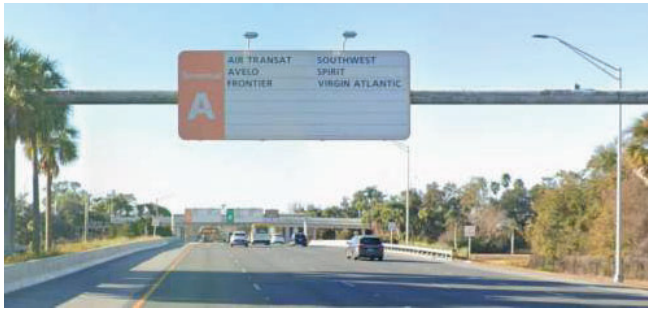
Drawing Title:

OT-SA-25

Drawing No.

01.74

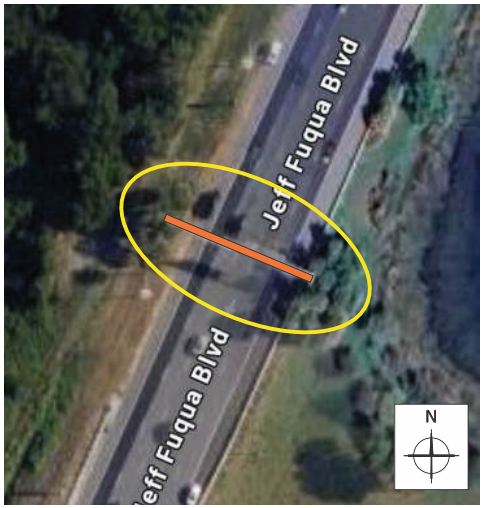
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



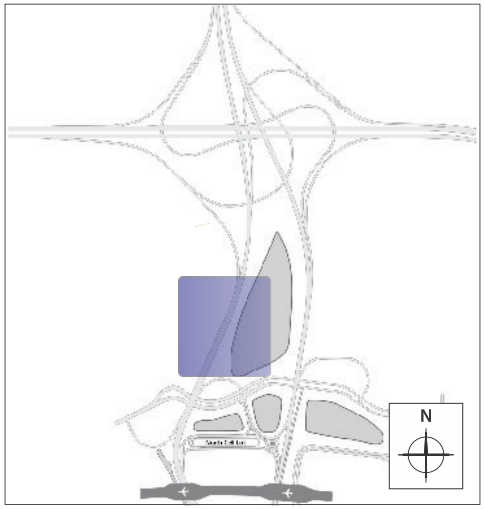
41 Existing Elevation View (SA.30)
Not to Scale

41 Elevation View (SA.30)
Not to Scale

General Location Area



41 Site View
Not to Scale



41 Location View
Not to Scale

41 Back Elevation View (SA.30)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
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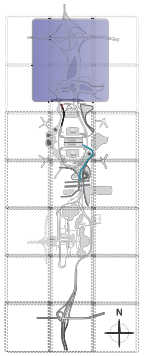


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

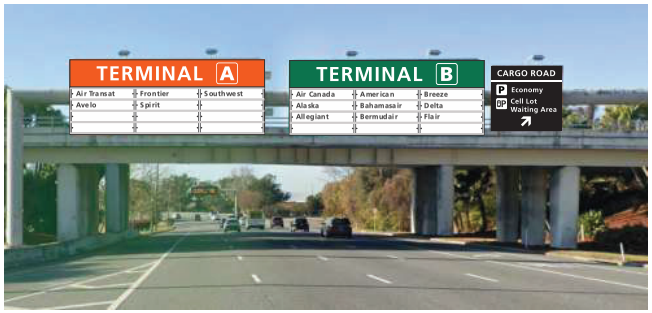
OT-SA-30

Drawing No.

01.75

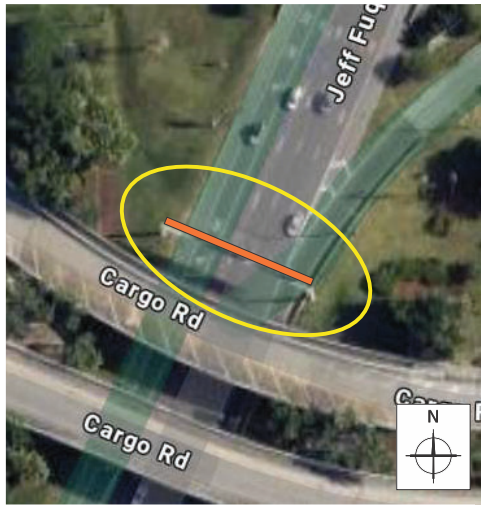
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

42 Existing Elevation View (SA.35)
Not to Scale

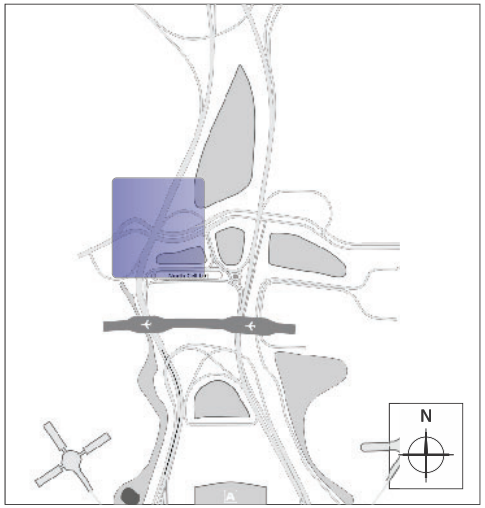


42 Elevation View (SA.35)
Not to Scale

General Location Area



42 Site View
Not to Scale



42 Location View
Not to Scale

42 Back Elevation View (SA.35)
Not to Scale

Scope

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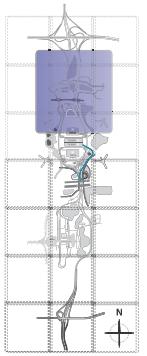


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-SA-35

Drawing No.

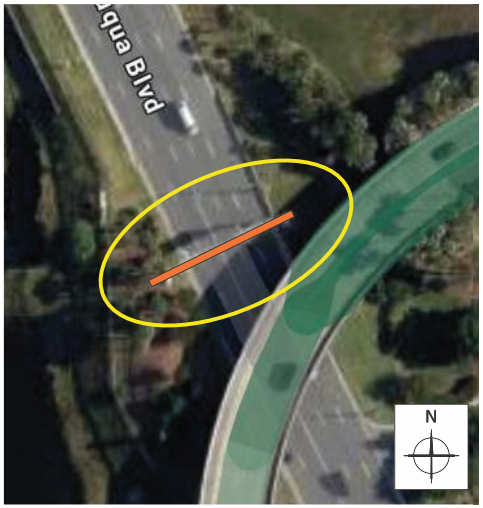
01.76

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

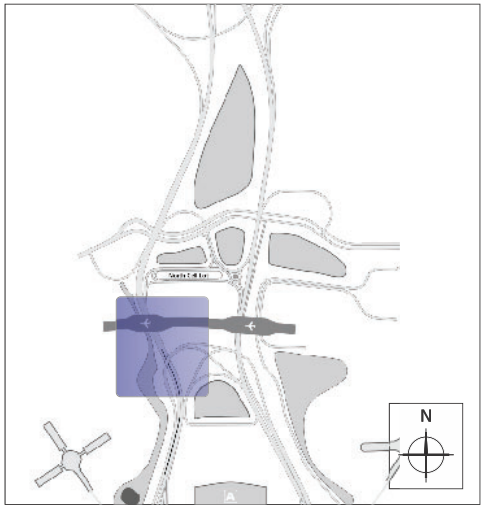
43 Existing Elevation View (SA.45)
Not to Scale

43 Elevation View (SA.45)
Not to Scale

General Location Area



43 Site View
Not to Scale



43 Location View
Not to Scale

43 Back Elevation View (SA.45)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
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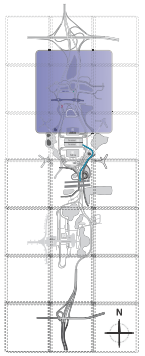


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

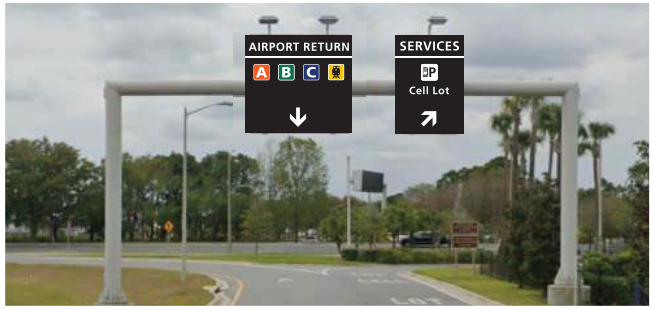
OT-SA-45

Drawing No.

01.77

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

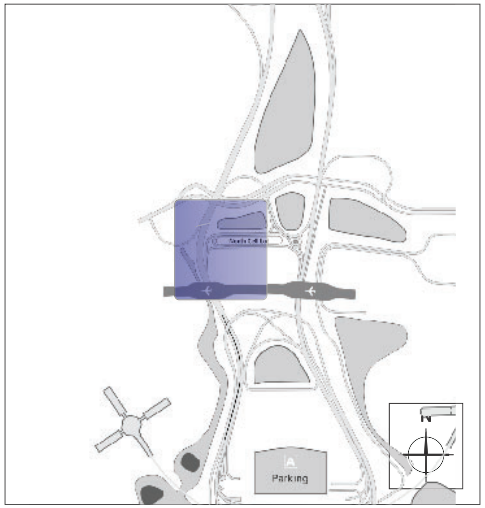
44 Existing Elevation View (LA.09)
Not to Scale



44 Elevation View (LA.09)
Not to Scale

General Location Area

44 Site View
Not to Scale



44 Location View
Not to Scale

64 Back Elevation View (LA.09)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
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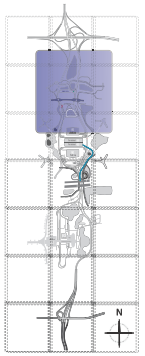


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

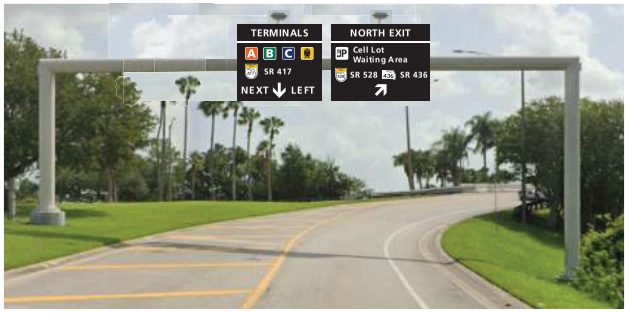
Drawing Title:

OT-LA-09

Drawing No.

01.78

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

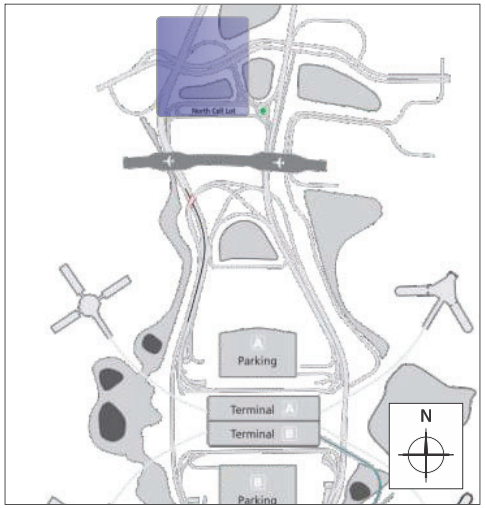


45 Existing Elevation View (OT.CR.6)
Not to Scale

45 Past Back Elevation View (CR.06)
Not to Scale

General Location Area

45 Concept Site View
Not to Scale



45 Location View
Not to Scale

Scope

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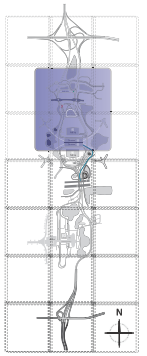


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-CR-06

Drawing No.

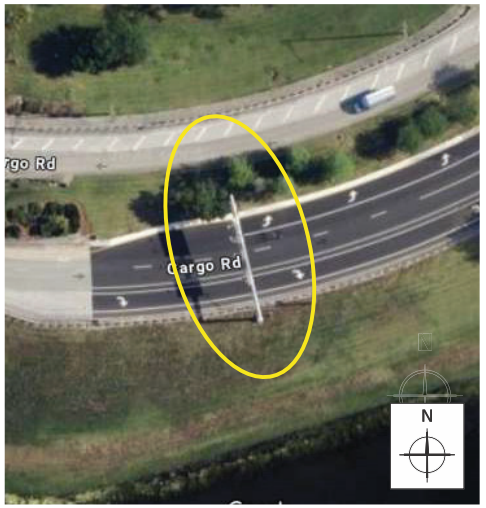
01.79

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

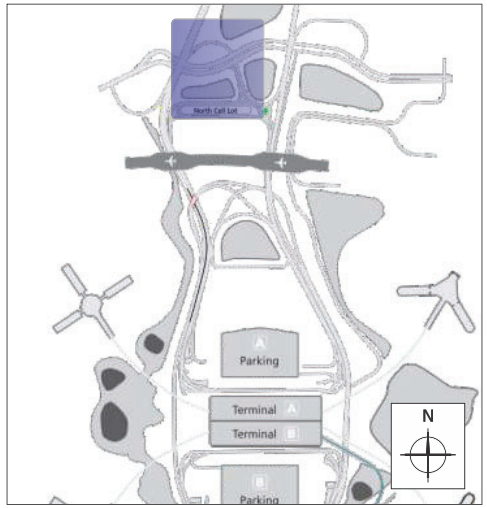
46 Existing Elevation View (OT.CR.7)
Not to Scale

46 Past Back Elevation View (CR.07)
Not to Scale

General Location Area



46 Concept Site View
Not to Scale



46 Location View
Not to Scale

Scope

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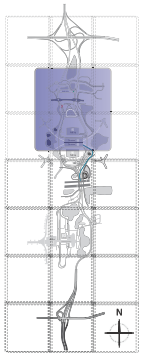


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-CR-07

Drawing No.

01.80

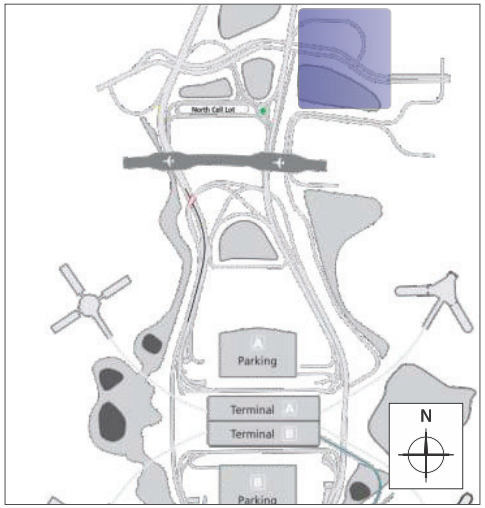
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

47 Existing Elevation View (OT.CR.4)
Not to Scale

47 Past Back Elevation View (CR.04)
Not to Scale

General Location Area

47 Concept Site View
Not to Scale



47 Location View
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
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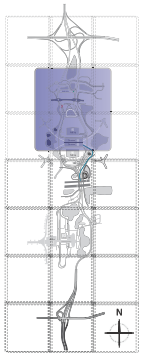


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

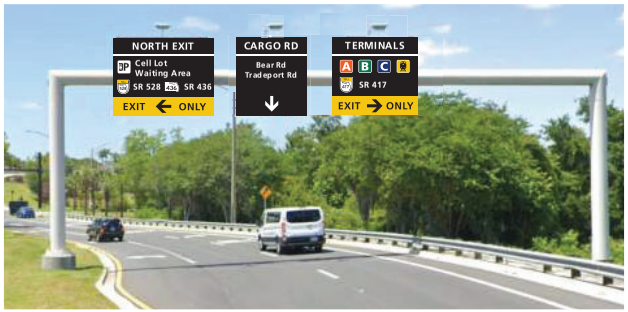
Drawing Title:

OT-CR-04

Drawing No.

01.81

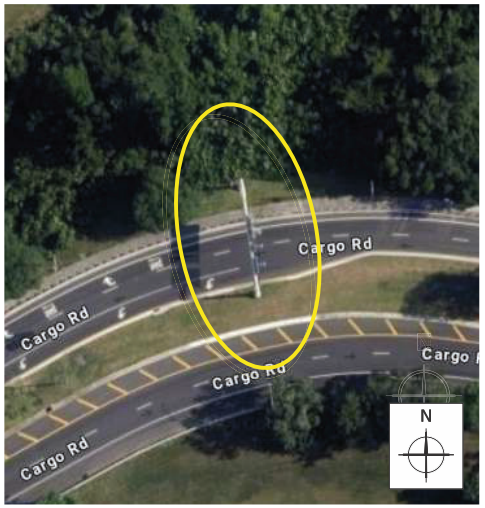
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



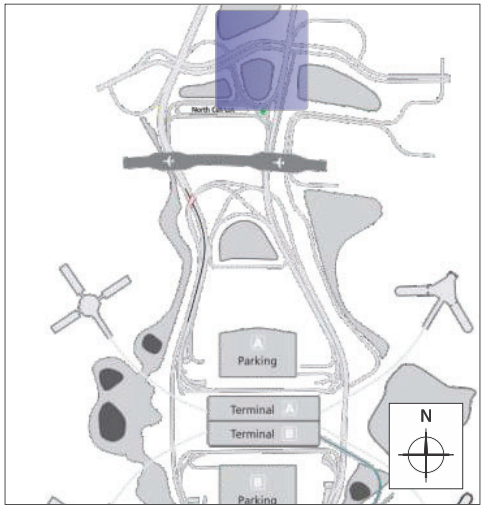
48 Existing Elevation View (OT.CR.5)
Not to Scale

48 Past Back Elevation View (CR.05)
Not to Scale

General Location Area



48 Concept Site View
Not to Scale



48 Location View
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
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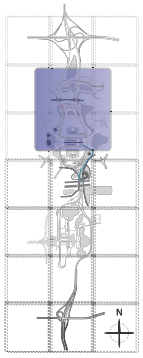
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-CR-05

Drawing No.

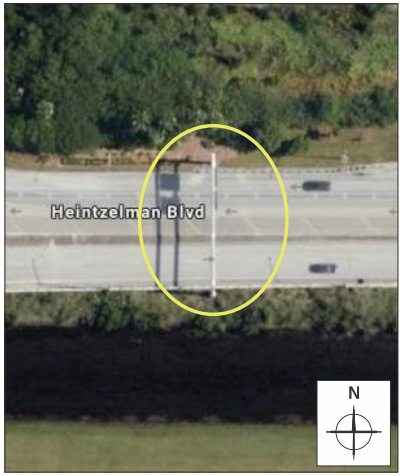
01.82

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

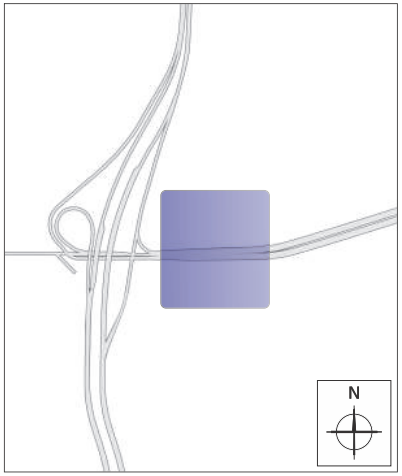
49 Existing Elevation View (OT.NC.10)
Not to Scale

49 Past Back Elevation View (OT.NC.10)
Not to Scale

General Location Area



49 Concept Site View
Not to Scale



49 Location View
Not to Scale

Scope

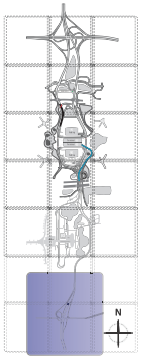
Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-NC-10

Drawing No.

01.83

Greater Orlando Aviation Authority

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 1	AMOUNT $0	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	H-00416 - Repair and Paint Sign Structures on Heintzleman Boulevard, Tradeport Drive, Bear Road, Casa Verde Road, & Cargo Road (D/B)	DATE: 04/28/2026
CONTRACTOR:	Prime Construction	
A/E:		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 01). Provide all labor, material, and equipment to repair and paint roadway signage structures at Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd.

ADD: $806,474.35

Item #2 – Allowance Reduction – Reduce the Allowance by ($806,474.35) from $1,200,000.00 to $393,525.65 to cover the cost of Item #1 above.

Deduct:$806,474.35

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for item 1.

SOURCE OF FUNDS:

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 806,474.35	
GOAA/OAR Estimate	$ 772,871.50	
(a) Change Contract Amount By		**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**

Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$
	Errors	$

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

PREPARED BY:	PHONE:

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

PSA MANAGEMENT

Job Name:	H-0416 Overhead & Groung Mounted Roadway Sign Updates			
Description of Work	Quantity	Units	Unit Price	Cost
Mobilization	1	LS	$45,384.00	$45,384.00
Clearing and Grubbing	1	LS	$6,000.00	$6,000.00
Excavation	1	LS	$8,000.00	$8,000.00
MOT	1	LS	$10,000.00	$10,000.00
Signs Removal	49	EA	$2,700.00	$132,300.00
Overhead Signs - Cleaning and Painting	10	EA	$14,000.00	$140,000.00
Ground Signs - Cleaning, Headware Replacement and painting	39	EA	$7,200.00	$280,800.00
Contractor Mark-up 15%	1	LS		$85,125.00
PROJECT TOTALS			$93,284.00	$707,609.00
Total Project Cost without Contingency				$707,609.00
Total Project Cost with Contingency (10%)				$772,871.50

GOAA Repair & Paint Sign Structures

PRIME CONSTRUCTION GROUP, INC.

Owner Request #: **H-00416**
Owner Reference: **GOAA H-00416 Sign Paint Repairs**
Description: **Repair & Paint Sign Structures Throughout the OIA & Tradeport 11ea Overhead 31ea Ground Mount**

Date: 10-Apr-26

PCG Labor with Burden

		Crew Size	Quantity	Unit	Unit Price	Extension
Painter Support Removing / Replacing	PROJECT MANAGER	1	176	HRS	$95.00	$16,720.00
Sign Structures / Breakaway Bolts	PM ASSISTANT	1	100	HRS	$48.28	$4,828.00
11ea Overhead Structures	GENERAL FOREMAN	1	528	HRS	$66.00	$34,848.00
31ea Ground Mount Signs	LOADER OPERATOR	1	528	HRS	$41.00	$21,648.00
	LABORER - SKILLED	1	528	HRS	$30.00	$15,840.00
Prime Labor Subtotal						$93,884.00
	PCG Labor Markup		15.00%			$14,082.60

Materials

Sod	10	PL	$260.00	$2,600.00	
Breakaway / Sign Connection Hardware	1	LS	$1,418.37	$1,418.37	
Lexan Isolation Material	1	LS	$1,333.77	$1,333.77	
Temporary Sign Mounts	5	EA	$1,500.00	$7,500.00	
Material Subtotal					$12,852.14
Material Tax	7.00%				$899.65
Material Markup	15.00%				$2,062.77

Equipment and Other Rentals

Painter Support Removing / Replacing	Truck, Pickup - PM	176	Hour	$31.44	$5,533.44	
Sign Structures / Breakaway Bolts	Truck, Pickup - Foreman	528	Hour	$31.44	$16,600.32	
11ea Overhead Structures	Rental Lift or Lull	528	Hour	$105.51	$55,709.28	
31ea Ground Mount Signs						
MOT Sign / Cones Rentals		90	DY	$22.39	$2,015.10	
Rental Subtotal						$79,858.14
Rental Tax		7.00%			Tax	$4,040.71
Rental Markup		15.00%				$12,584.83

Subcontracts

MOT Lane Closures Flash-Rite w/ Officer	1	LS	$352,887.63	$352,887.63	
Clean, Prep, Prime & Coat 42 Sign Structures	1	LS	$149,111.95	$149,111.95	
Subcontractor Subtotal					$501,999.58
Subcontractor Markup	15.00%				$75,299.94
Subtotal					$797,564.35
Daily Jobsite Overhead		Days			
					$797,564.35
Bond Amount					$8,910.00
Grandtotal					**$806,474.35**

Contract Time requested **Days**

The items listed above are for classification only, this is a Lump Sum proposal. This estimate is valid for 30 days.

F:\Project_Management\Jobs\26882 GOAA H-416 Repair & Paint Sign Structures\00Estimating\[H-416 Repair & Paint Sign Structures.xls]Equip

Proposal

SOUTHERN PAINTING & BLASTING, LLC

175 Anchor Road •Casselberry, FL 32707 • 407-822-1760 • Fax 407-822-1762

March 9, 2026

Prime Construction Group, Inc.
741 Garden Commerce Pkwy
Winter Garden, FL 34787

Attn: Jeff Holaday

Proposal No. Z049

RE: H-00416 Sign Structures

WORK PROPOSED AS FOLLOWS:

1. Clean, prep, spot prime, intermediate coat and finish coat with CM-15 and MCU-100 per GOAA's specifications.
2. Scope includes sign structure bridges (11) and ground sign structures (31).

$149,111.95

NOTES:

1. Prime to handle all MOT.
2. All materials will be stored and applied in accordance with the manufacturer's recommendations.
3. Southern Painting & Blasting is responsible for properly rigging and safety procedures in accordance with OSHA and common industry safety practices.
4. All work is to be done during 3rd shift for overhead sign structures. All ground signs to be done during 1st shift.
5. OWNER will remove any appurtenances prior to start of project.
6. Southern Painting & Blasting is NOT responsible for digging back any structures more than 4 inches.
7. Southern Painting & Blasting will protect all areas, switches, and electrical items not to be painted.
8. Southern Painting & Blasting is NOT responsible for removing and replacing any conduit, strapping or signs to paint underneath.

Respectfully submitted,

Lawrence W. Stempkowski

Lawrence W. Stempkowski

ACCEPTED. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. . Sales tax may be applicable. You will provide labor and materials and equipment- complete in accordance with above specifications, and subject to conditions found on this agreement and payment terms shall be net thirty days. This proposal may be withdrawn by Southern if not accepted within 60 days.

By: _____ Date of Acceptance: _____

Flash-Rite
115 Atlantic Dr
Maitland, FL 32751-3328 USA
+14078340408
AR@flashrite.us

Estimate

ADDRESS
PRIME CONSTRUCTION GROUP
1000 JETSTREAM DRIVE
ORLANDO, FL 32824

SHIP TO
PRIME CONSTRUCTION GROUP
PROJECT H-00416
MULTIPLE LOCATIONS WITHIN GOAA
ORANGE COUNTY
ATTN. JEFF

ESTIMATE # 1438
DATE 04/10/2026

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	MAINTENANCE OF TRAFFIC	MAINTENANCE OF TRAFFIC - POP & GOES - DRIVER STAY WITH - PER SETUP - PER WEEKNIGHT	95	2,000.00	190,000.00T
	OPD OFFICER	1 OFF DUTY OFFICER X 10 HRS PER NIGHT X 95 HRS	950	110.50	104,975.00
	OPD OFFICER	OFFICER SCHEDULER FEE	1	10,497.50	10,497.50
	OPEN-UP ROAD	OPEN-UP ROAD	95	150.00	14,250.00T
	DELIVERY CHARGES	DELIVERY CHARGES	98	60.00	5,880.00T
	PICK-UP CHARGE	PICK-UP CHARGE	98	60.00	5,880.00T
	FUEL SURCHARGE	FUEL SURCHARGE	196	25.00	4,900.00T
		ESCLUDES BARRIER WALL			

		EQUIPMENT DROP OFF			
	SIGNS, STAND MTD	8 SIGNS STAND. MTD. X 90 DAYS	720	1.25	900.00T
	DRUMS	15 DRUMS X 90 DAYS	1,350	0.70	945.00T
	DELIVERY CHARGES	DELIVERY CHARGES	1	60.00	60.00T
	PICK-UP CHARGE	PICK-UP CHARGE	1	60.00	60.00T
	FUEL SURCHARGE	FUEL SURCHARGE	2	25.00	50.00T
		**PLEASE NOTE: EQUIPMENT RENTAL PRICING IS FOR 90			

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
		DAYS** **EXCLUDES SETUPS** **DROP OFF ONLY** **EXCLUDES BARRIER WALL**			
		OFFICERS – FOR ALL AGENCIES **OFFICER HOURS AND RATES ARE ESTIMATED HOURS WILL BE BILLED FOR THE TIME THAT IS SCHEDULED PLUS TRAVEL TIME, VEHICLE USAGE FEES & OFFICER SCHEDULING FEES. ACTUAL TIME WORKED WILL NOT APPLY. RATES COULD BE INCREASED BY SCHEDULING OFFICER TO GET DETAIL FILLED. IF OFFICERS ARE FLAGGING TRAFFIC RATES WILL BE INCREASED. CANCELATIONS WILL BE BILL AT A MINIMUM 6 HRS OR THE HOURS SCHEDULED WILL BE BILLED ALONG WITH SCHEDULING FEES AND ANY OTHER FEES THAT ARE APPLICABLE PER AGENCY. IF SHIFTS ARE SPLIT DUE TO CONSTRAINTS OF SCHEDULING FULL SHIFT HOURS SCHEDULED MAY APPLY PER AGENCY POLICY OFFICER INVOICES DUE UPON RECEIPT **EXCLUDES: VARIABLE MESSAGE BOARDS, BARRIER WALL OF ANY TYPE, OFFICERS, FLAGGERS OR SIGNED AND SEALED PLANS. ESTIMATOR: JOE			

The above pricing doesn't include labor for lane closures or setup unless specifically noted. FR Roadway LLC dba Flash-Rite shall not perform, nor be deemed to perform, the role of "Worksite Traffic Supervisor" as defined under FDOT Specification 102.3.2. This quotation shall be incorporated into any future contract for the work described above. Customer is responsible for monitoring all closures.

SUBTOTAL	338,397.50
TAX	14,490.13
TOTAL	**$352,887.63**

Accepted By

Accepted Date

McMASTER-CARR

Quotation

404-346-7000
404-349-9091 (fax)
atl.sales@mcmaster.com

Prime Construction Group
741 Garden Commerce Pkwy
Winter Garden FL 34787

Quote
500342

Date
4/16/26

Requested By

Randy

Line		Product	Quantity	Available	Price	Total
1	91583A121	Heavy Hex Head Screw for Structural Application, Galvanized Grade A325 Steel, 1/2"-13 Thread Size, 2" Long, packs of 10	5 packs	today	17.82 per pack	89.10
2	91694A315	Galvanized Steel Structural Heavy-Profile Hex Nut, Extreme-Strength, Hot-Dipped, 1/2"-13 Thread Size, packs of 25	2 packs	today	15.15 per pack	30.30
3	98119A033	Corrosion-Resistant Galvanized Steel Structural Washer for 1/2" Screw Size, 0.531" ID, 1.062" OD, packs of 50	2 packs	today	9.68 per pack	19.36
4	95160A230	Galvanized Steel Split Lock Washers for 1/2" Screw Size, 0.512" ID, 0.869" OD, packs of 50	1 pack	today	8.95 per pack	8.95
5	91583A124	Heavy Hex Head Screw for Structural Application, Galvanized Grade A325 Steel, 1/2"-13 Thread Size, 2-1/2" Long, packs of 10	5 packs	today	19.71 per pack	98.55
6	91694A315	Galvanized Steel Structural Heavy-Profile Hex Nut, Extreme-Strength, Hot-Dipped, 1/2"-13 Thread Size, packs of 25	2 packs	today	15.15 per pack	30.30
7	98119A033	Corrosion-Resistant Galvanized Steel Structural Washer for 1/2" Screw Size, 0.531" ID, 1.062" OD, packs of 50	2 packs	today	9.68 per pack	19.36
8	95160A230	Galvanized Steel Split Lock Washers for 1/2" Screw Size, 0.512" ID, 0.869" OD, packs of 50	1 pack	today	8.95 per pack	8.95
9	93190A718	Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 1/2"-13 Thread Size, 1-3/4" Long, packs of 5	40 packs	today	9.83 per pack	393.20
10	94804A340	Highly Corrosion-Resistant 316 Stainless Steel Hex Nut, 1/2"-13 Thread Size, packs of 10	20 packs	today	4.71 per pack	94.20
11	90107A033	Highly Corrosion-Resistant 316 Stainless Steel Washer for 1/2" Screw Size, General Purpose, 0.531" ID, packs of 25	16 packs	today	10.24 per pack	163.84

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

McMASTER-CARR

Quotation

404-346-7000
404-349-9091 (fax)
atl.sales@mcmaster.com

Prime Construction Group
741 Garden Commerce Pkwy
Winter Garden FL 34787

Quote
500342

Date
4/16/26

Requested By

Randy

Line		Product	Quantity	Available	Price	Total
12	92147A033	316 Stainless Steel Split Lock Washer for 1/2" Screw Size, 0.512" ID, 0.869" OD, packs of 25	8 packs	today	9.30 per pack	74.40
13	93190A547	Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 1/4"-20 Thread Size, 1-3/4" Long, Fully Threaded, packs of 10	30 packs	today	6.16 per pack	184.80
14	94804A029	Highly Corrosion-Resistant 316 Stainless Steel Hex Nut, 1/4"-20 Thread Size, 7/16" Wide, 7/32" High, packs of 100	3 packs	today	9.92 per pack	29.76
15	90107A029	Highly Corrosion-Resistant 316 Stainless Steel Washer for 1/4" Screw Size, General Purpose, 0.281" ID, packs of 100	6 packs	today	8.39 per pack	50.34
16	91475A029	Mil. Spec. Split Lock Washer, Passivated 316 Stainless Steel, for 1/4" Screw Size, MS35338, packs of 50	6 packs	today	10.55 per pack	63.30

Merchandise prices good through 5/16/26.

Merchandise	$1,358.71
Shipping	59.66
Tax	88.32
Total	$1,506.69

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Clear GP Polycarbonate Polycarbonate Sheet, 0.062 Thick, 24 X 48

Mfr # SPCCL.062GP Polycarbonate-24X48 Zoro # G100908210

0 ratings | Write a Review

$57.99 /ea X 23 EA = $1,333.77

EquipmentWatch.

www.equipmentwatch.com

All prices shown in US dollars ($)

Adjustments for 2012_2014_2016 Pickup in All Saved Models

April 15, 2026

Ford F-150 XLT 4X4 GAS
Light Duty Trucks

Size Class:
2
Weight:
N/A

Configuration for F-150 XLT 4X4 GAS

Power Mode	**Gasoline**	Wheelbase	**122.8 Inches**
Model Trim	**XLT**	Gross Vehicle Weight Rating	**6050 Pounds**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $3,210.00	USD $900.00	USD $225.00	USD $34.00	USD $13.48	USD $31.72
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2023: 98.49%)	(USD $48.51)	(USD $13.60)	(USD $3.40)	(USD $0.51)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $3,161.49**	**USD $886.40**	**USD $221.60**	**USD $33.49**	**USD $13.48**	**USD $31.44**

Non-Active Use Rates

	Hourly
Standby Rate	USD $10.76
Idling Rate	USD $22.37

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	28.1%	USD $901.98/mo
Overhaul (ownership)	40.08%	USD $1,286.67/mo
CFC (ownership)	14.99%	USD $481.08/mo
Indirect (ownership)	16.83%	USD $540.27/mo
Fuel (operating) @ USD 3.72	32.72%	USD $4.41/hr

Revised Date: 2nd quarter 2026

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (mallen@primeconstructiongroup.com)

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EquipmentWatch.

www.equipmentwatch.com

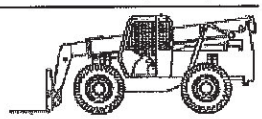
All prices shown in US dollars ($)

Rental Rate Blue Book®

April 13, 2026

JLG G6-23A (disc. 2007)
Telehandlers

Size Class:
2.71 - 3.0 mt
Weight:
15900 lbs



Configuration for G6-23A (disc. 2007)

Lift Capacity	**6600 lbs**	Horsepower	**100.0 hp**
Maximum Lift Height	**271.0 in**	Maximum Reach	**153.0 in**
Power Mode	**Diesel**		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD $9,660.00	USD $2,705.00	USD $675.00	USD $100.00	USD $50.62	USD $105.51
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2007: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $9,660.00**	**USD $2,705.00**	**USD $675.00**	**USD $100.00**	**USD $50.62**	**USD $105.51**

Non-Active Use Rates

	Hourly
Standby Rate	USD $24.14
Idling Rate	USD $69.14

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	19.93%	USD $1,925.16/mo
Overhaul (ownership)	56.02%	USD $5,411.60/mo
CFC (ownership)	9.89%	USD $955.15/mo
Indirect (ownership)	14.16%	USD $1,368.08/mo
Fuel (operating) @ USD 5.07	28.15%	USD $14.25/hr

Revised Date: 2nd quarter 2026

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (mallen@primeconstructiongroup.com)

www.equipmentwatch.com

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BULLETIN

PROJECT NO. & NAME:	H-00416 - Repair and Paint Sign Structures on Heintzleman Boulevard, Tradeport Drive, Bear Road, Casa Verde Road, & Cargo Road. (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	Prime Construction	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	PSA Management, Inc.	
REQUESTED BY:	GOAA	
PREPARED BY:	John Bayley, GOAA PM	
ISSUED BY:	John Bayley, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

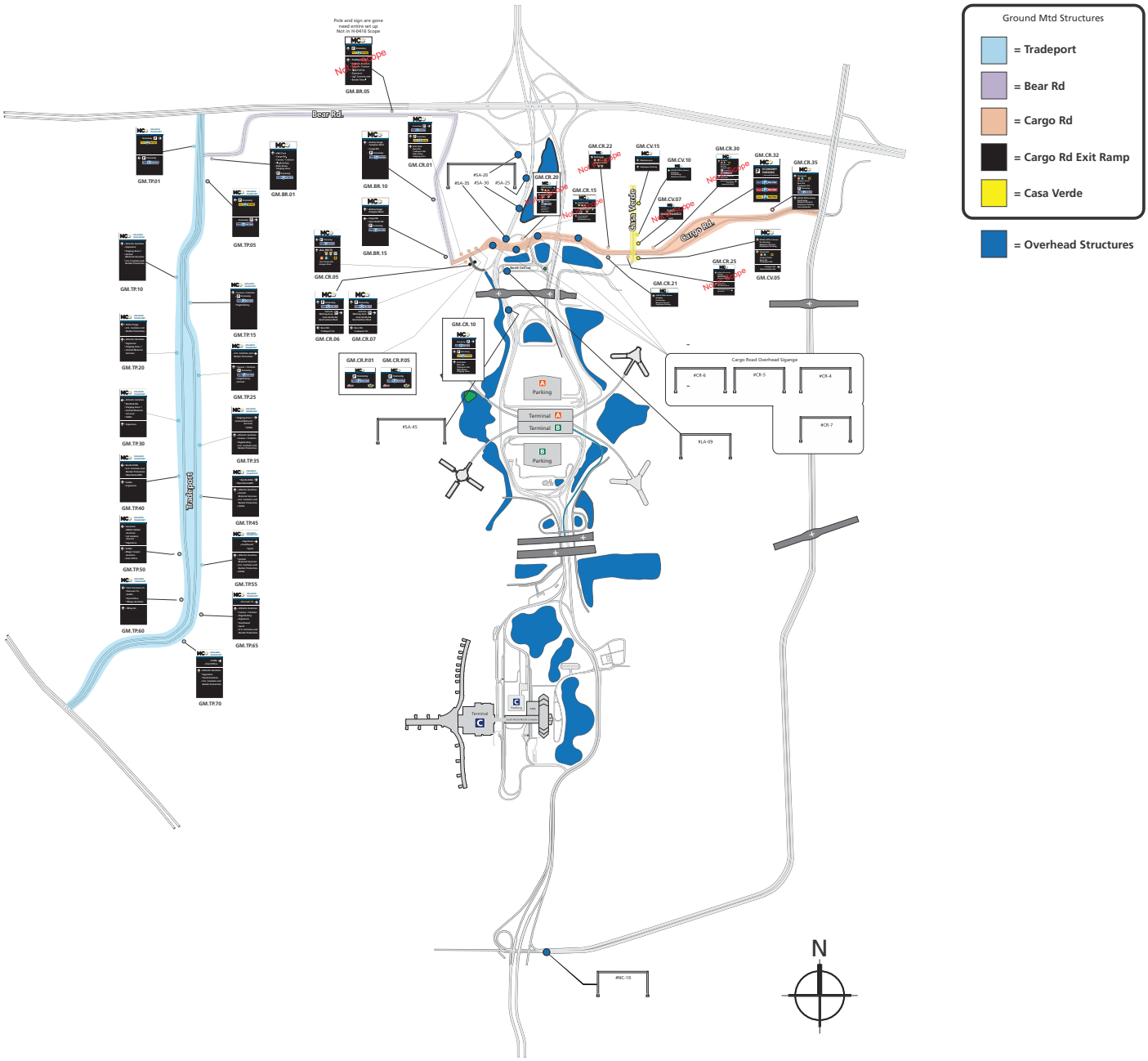
DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The Scope of work is to paint and repair ground-mounted structures. Locations are as noted in the attached design documents on Tradeport Dr, Bear Rd, Casa Verde Rd, & Cargo Rd. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

☒ **ATTACHMENTS INCLUDED:**

Drawings:

Discipline	Drawing No.	Revision Date	Revision Narrative
Wayfinding	Location Map – V2	03/06/2026	Location Map
Wayfinding	Part 1	03/06/2026	Scope Definition Documents w/graphic details and location Maps
Wayfinding	Part 2	03/06/2026	Scope Definition Documents w/graphic details and location Maps

31 - Ground Mtd Structures
11- Overhead Structures



All locations are approximate.
Final locations to be coordinated in field with GOAA OAR Team.

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

H-00416

Overhead & Ground Mtd. Sign Updates PART 1 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE
	GOAA PLANNING DEPARTMENT GOAA ENGINEERING DEPARTMENT

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

01.01 - Cover
01.02 - Index
01.03 - Painting Details
01.04 thru 01.41 - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

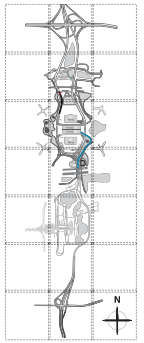
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.02

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

General Surface Coating Notes:
The Contractor shall paint the vertical and horizontal support columns of the sign structures. The painting shall be done following erection of the proposed overhead sign supports and prior to final acceptance. This provision does not change any of the requirements set forth in the contract pertaining to the overhead sign structures, but rather provides a means for enhancing the aesthetics of the final product. The Contractor shall have a minimum of 5 years experience in painting FDOT structures.

The Contractor shall clean and paint in accordance with this specification. The provisions of ASTM D 2092, "Preparation of Zinc Coated (Galvanized) Steel Surfaces for Painting"; and Sections 560 and 562 of the Technical Specifications not in conflict with this specification also apply. "Spot" repairs are not permitted. No claims for delays or time extensions will be considered should the work be stopped due to failure of the Contractor to meet the requirements of this specification.

The Contractor shall clean and paint from the top of the structure down to prevent accumulation of debris or damage to previously painted surfaces under this Project.

The Contractor shall clean and paint galvanizing before re-attachment of upright attachments, e.g. electrical disconnect switch boxes, electrical conduit, DMS controller boxes, FON conduit, or recently installed antennae.

Pollution Control:
Comply with all applicable Federal, State, and local rules and regulations. In the event the Contractor violates any environmental regulations or fails to properly execute any pollution control provisions, the owner has the authority to immediately cease all operations associated with the infraction. Operations will only resume after written proposed corrective procedures have been submitted to and approved by owner and implemented.

Ambient Conditions:
Do not conduct final surface preparation on bare substrate or apply paint unless the steel surface temperature is 5°F above the dew point and the relative humidity is below 85%. No paint shall be applied when the ambient air or surface temperature is less than 50° F or above 95° F, unless authorized in writing by the owner.

Submit the following to GOAA:
- Proof of 5 years experience in painting FDOT structures
- Applicable Contractor personnel training and certifications.
- Contractor's Environmental, Health and Safety plan.
- Contractor's Quality Control plan
- Manufacturer's Product Data Sheets (PDS) and Material Safety Data Sheets (MSDS) for all materials to be used on the project.
- Certification from the manufacturer that all coating materials contain less than 100 ppm lead.
- (3) Physical coating samples on a 6" x 6" steel plate.
- supply (5) gallons of attic stock paint (at project completion)

Surface Preparation:
Clean all existing surfaces to meet the requirements of SSPC-SP1.
Use a minimum of a pressurized (minimum of 3,500 psi at the nozzle) potable water wash. Hold nozzle no more than 12 inches from the surface being cleaned. Mechanical (e.g. scrub brushes), steam cleaning or other means may also be necessary. All cleaners must be approved by the coatings manufacturer and reviewed by the owner prior to use. Do not use hydrocarbon solvents.
Prepare all surface in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-S-3 Power Tool Cleaning.

Painting General:
- Do not apply any paint that contains more than 100 ppm lead.
- Brush or roller apply all coatings. Spray application is not permitted.
- Minimum and maximum dry film thicknesses (DFT) of each coat and time period between coats shall be recommended by the manufacturer's corrosion engineer or available within their published literature; and submitted to GOAA for acceptance.
- Remove any paint that curls or lifts after application and repaint the areas as per specification.
- Determine wet film thickness during application in accordance with ASTM D 4414, "Standard Practice for Measurement of Wet Film Thickness by Notch Gages".
- Determine dry film thickness in accordance with SSPC PA-2, "Measurement of Dry Coating Thickness with Magnetic Gages". If dry film thickness does not conform to specified ranges, correct the deficiency as directed by the owner.
- The color of the finish coat of the structures shall by approved by the owner.

Coating Materials:
All coatings materials must be submitted and approved by the owner prior to start of project.

Coating system:
- 1st Coat -"Spot" Prime previously prepared bare metal substrate with Gulf Coast Paints Gulf Coast Paints CM 15 High Build Epoxy Mastic or equivalent as approved by the Owner
- 2nd Coat - Full Coat of Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.
- 3rd Coat – Full Coat Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.

Prevent any wet paint from damaging property. If any accidental spill, immediately contact the owner for evaluation. Be responsible for any cleanup due to accidental spill, overspray, etc., and all work and liability associated with the cleanup effort. Remove any paint that comes in contact with concrete or other surfaces not specified to be painted at no expense to the owner.

Paint Color = Gulf Coast MCU 100 Aluminum
provide samples for approval

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
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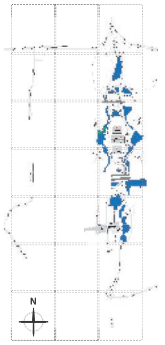
www.artidentity.us



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Painting Details

Drawing No.

01.03

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

1 Existing Elevation View (GM.TP.01)
Not to Scale

1 Concept Elevation View (GM.TP.01)
Not to Scale

1 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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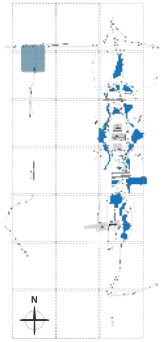
Key Plan



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

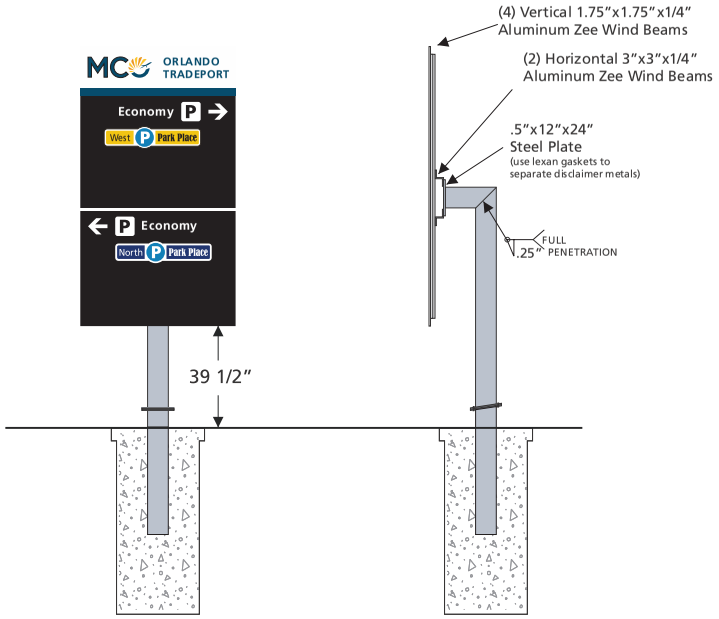
Drawing Title:

GM-TP-01

Drawing No.

01.04

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



1 Front Elevation View
Scale is 1/4" = 1'

1 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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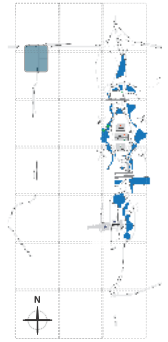
Key Plan



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-01

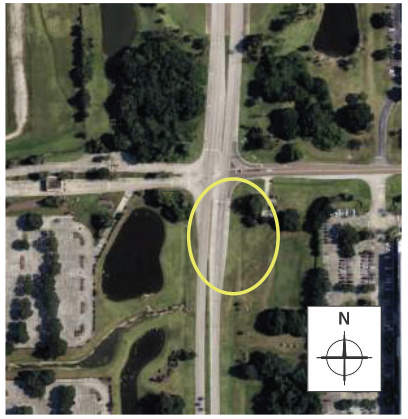
Drawing No.

01.05

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

2 Existing Elevation View (GM.TP.05)
Not to Scale

2 Concept Elevation View (GM.TP.05)
Not to Scale



2 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
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*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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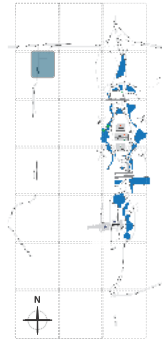
Key Plan



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

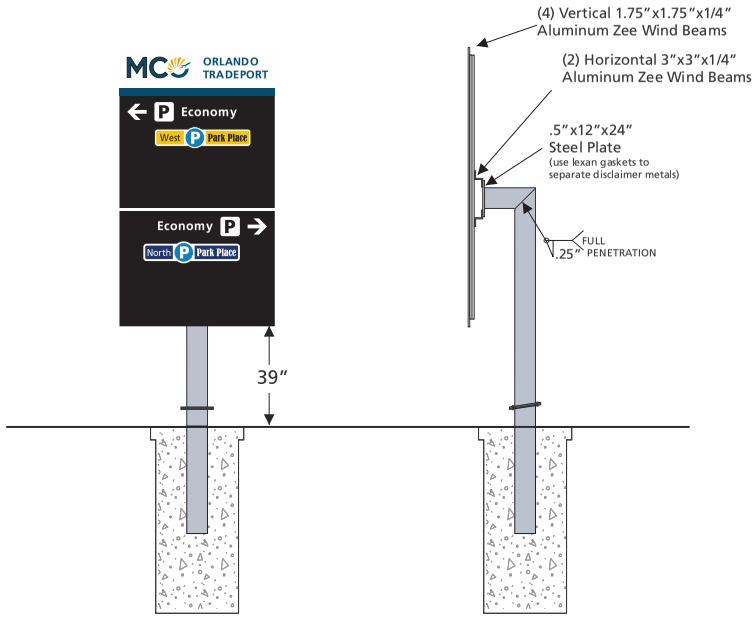
Drawing Title:

GM-TP-05

Drawing No.

01.06

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



2 Front Elevation View
Scale is 1/4" = 1'

2 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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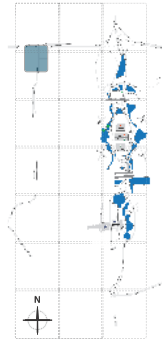


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-05

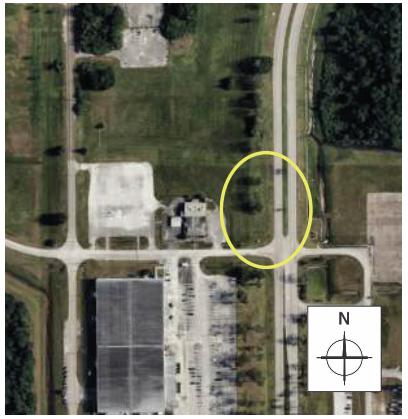
Drawing No.

01.07

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

3 Existing Elevation View (GM.TP.10)
Not to Scale

3 Concept Elevation View (GM.TP.10)
Not to Scale



3 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
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Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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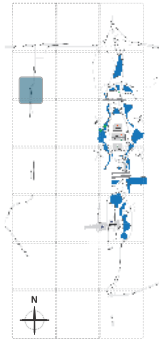


Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

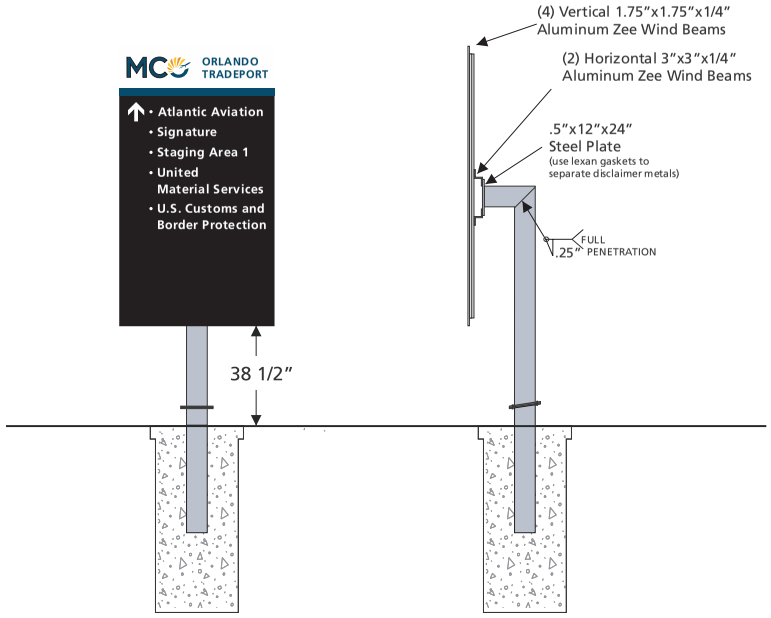
Drawing Title:

GM-TP-10

Drawing No.

01.08

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



3 Front Elevation View
Scale is 1/4" = 1'

3 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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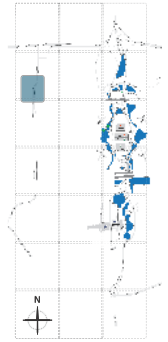
Key Plan



Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

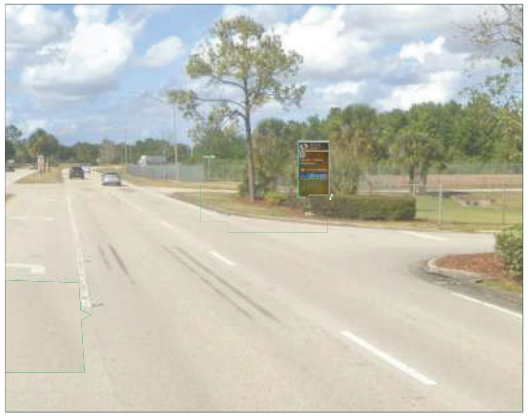
Drawing Title:

GM-TP-15

Drawing No.

01.09

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



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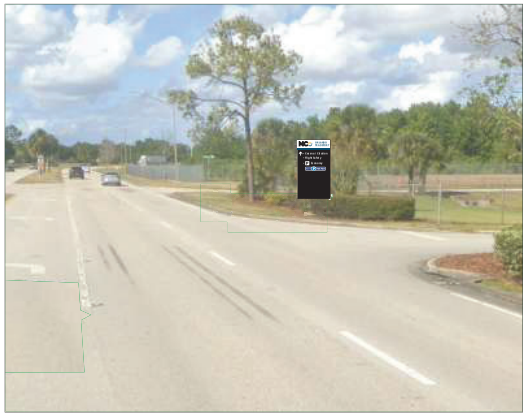

4 Concept Elevation View (GM.TP.15)
Not to Scale

4 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
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Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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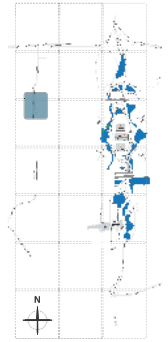


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

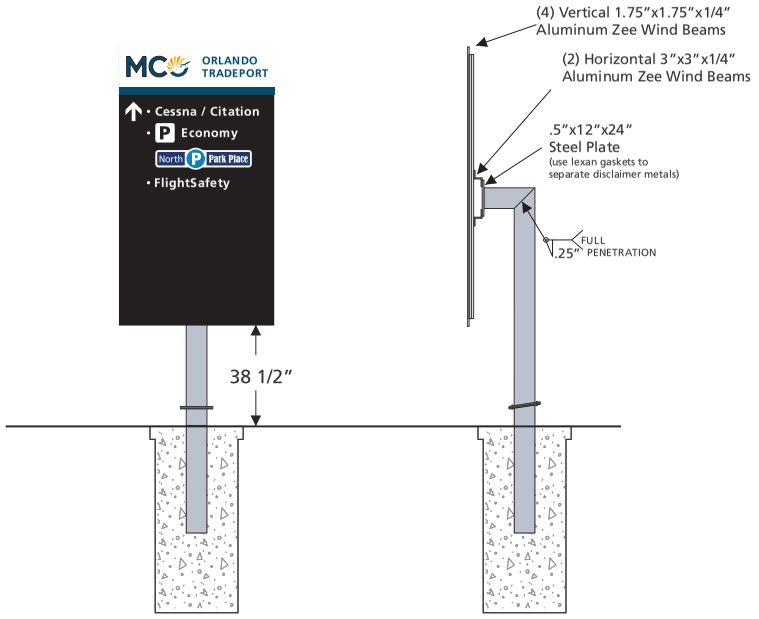
Drawing Title:

GM-TP-15

Drawing No.

01.10

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



4 Front Elevation View
Scale is 1/4" = 1'

4 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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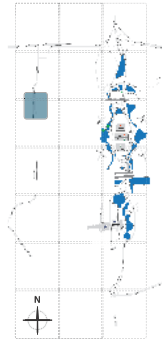
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-15

Drawing No.

01.11

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

5 Existing Elevation View (GM.TP.20)
Not to Scale

5 Concept Elevation View (GM.TP.20)
Not to Scale

5 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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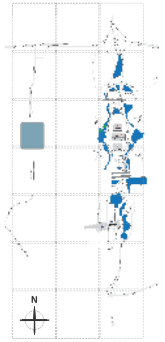
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

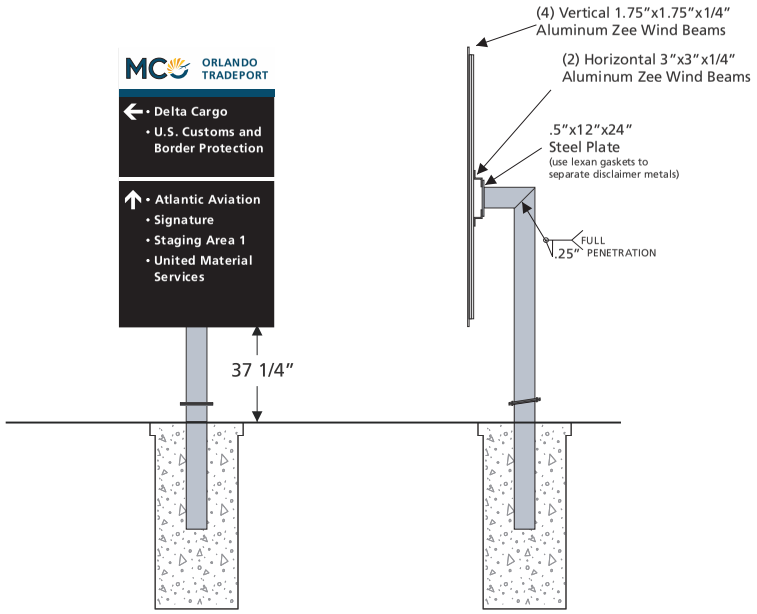
Drawing Title:

GM-TP-20

Drawing No.

01.12

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



5 Front Elevation View
Scale is 1/4" = 1'

5 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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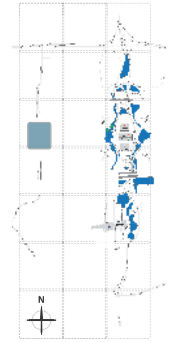


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

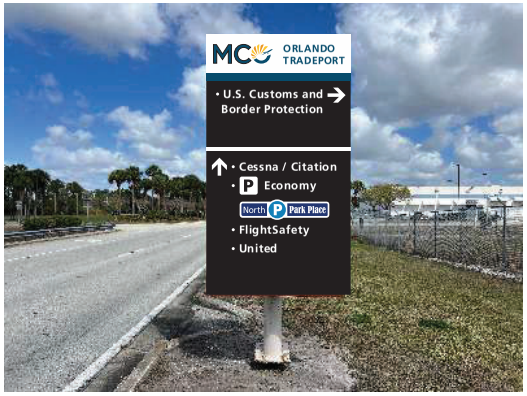
GM-TP-20

Drawing No.

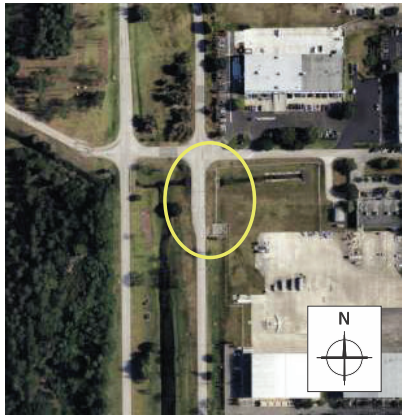
01.13

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

6 Existing Elevation View (GM.TP.25)
Not to Scale



6 Concept Elevation View (GM.TP.25)
Not to Scale



6 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
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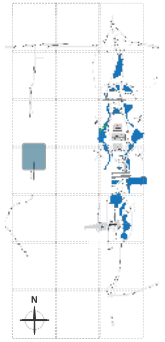
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

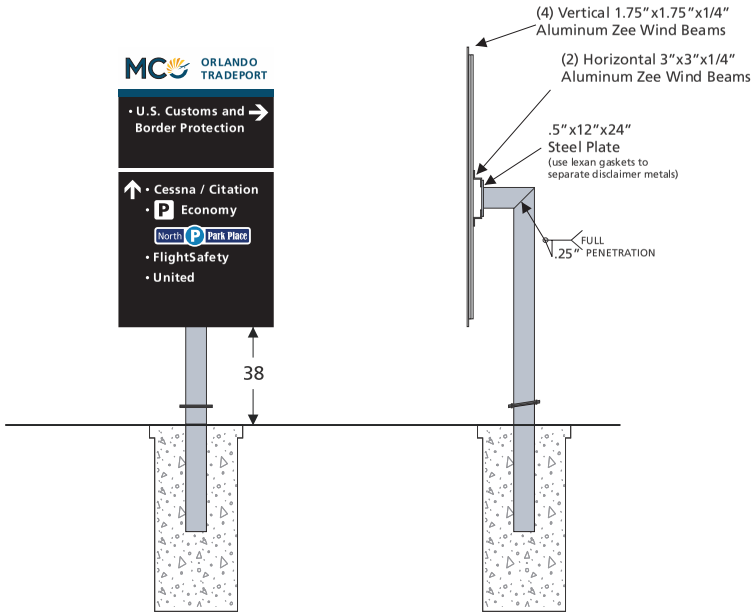
Drawing Title:

GM-TP-25

Drawing No.

01.14

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



6 Front Elevation View
Scale is 1/4" = 1'

6 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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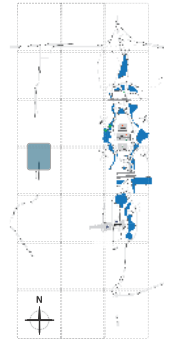
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-25

Drawing No.

01.15

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

7 Existing Elevation View (GM.TP.30)
Not to Scale

7 Concept Elevation View (GM.TP.30)
Not to Scale

7 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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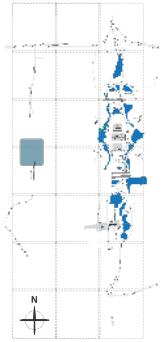
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

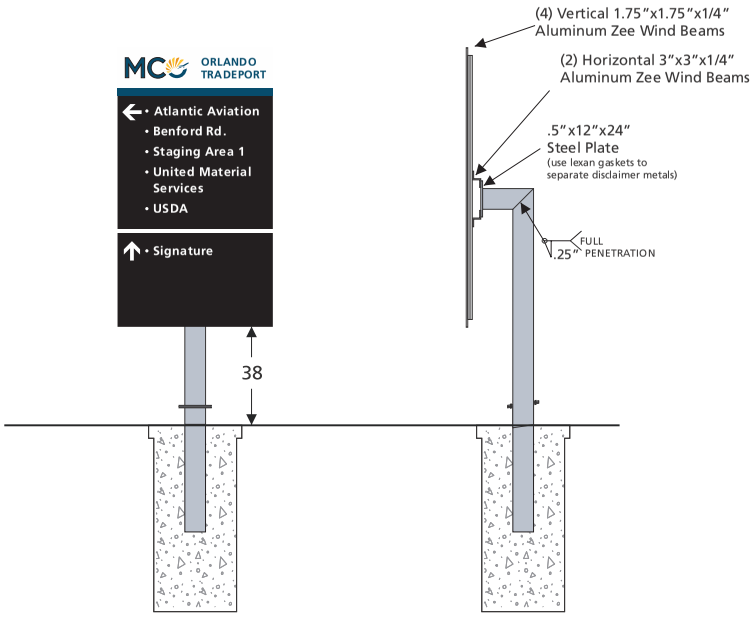
Drawing Title:

GM-TP-30

Drawing No.

01.16

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



7 Front Elevation View
Scale is 1/4" = 1'

7 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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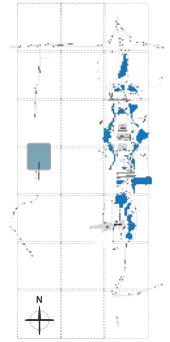
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-30

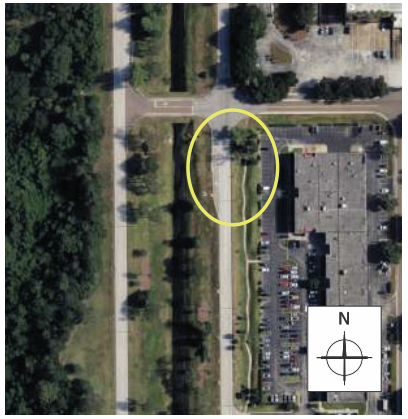
Drawing No.

01.17

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

8 Existing Elevation View (GM.TP.35)
Not to Scale

8 Concept Elevation View (GM.TP.35)
Not to Scale



8 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
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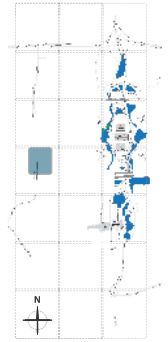
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

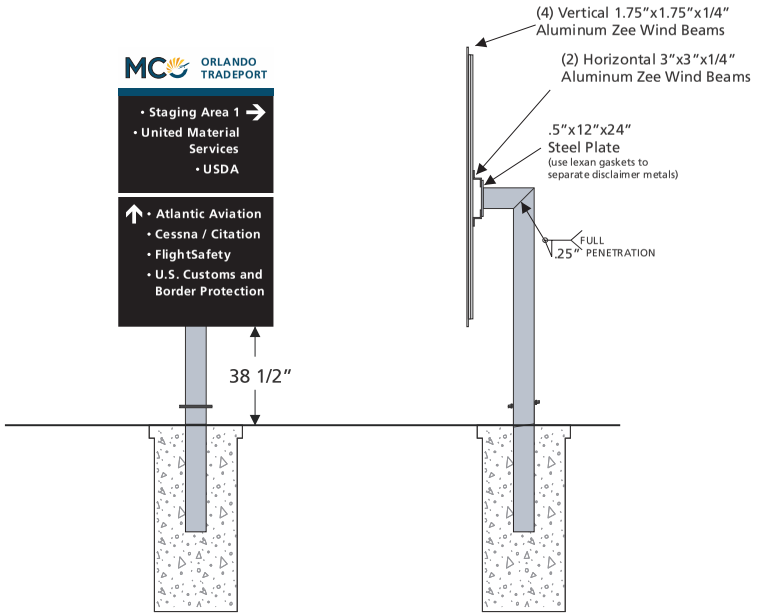
Drawing Title:

GM-TP-35

Drawing No.

01.18

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



8 Front Elevation View
Scale is 1/4" = 1'

8 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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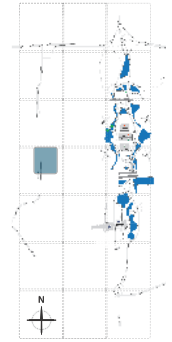
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-35

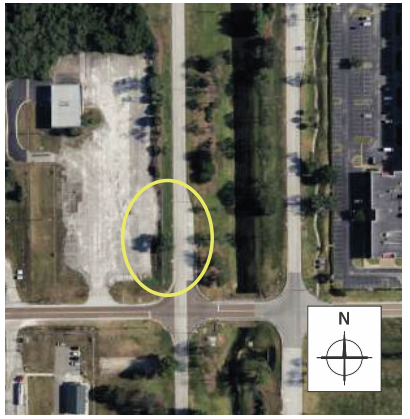
Drawing No.

01.19

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

9 Existing Elevation View (GM.TP.40)
Not to Scale

9 Concept Elevation View (GM.TP.40)
Not to Scale



9 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
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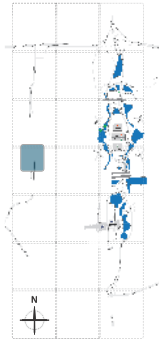
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

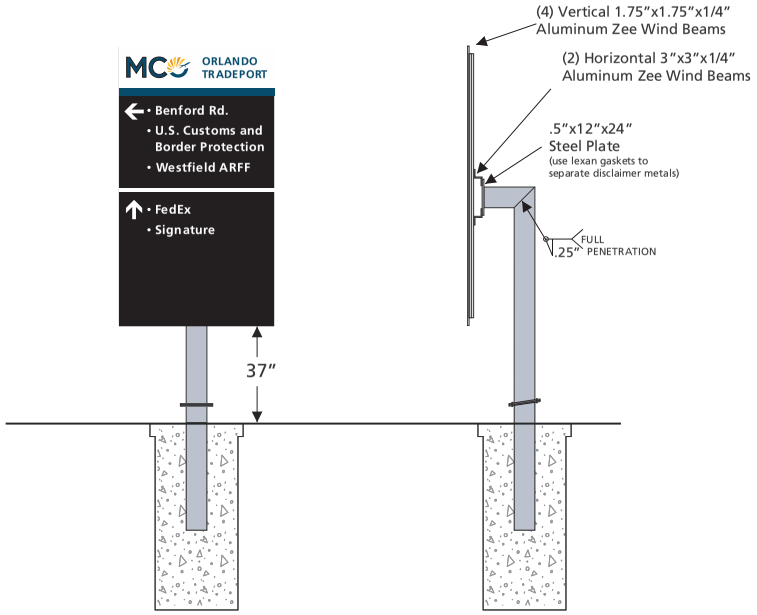
Drawing Title:

GM-TP-40

Drawing No.

01.20

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



9 Front Elevation View
Scale is 1/4" = 1'

9 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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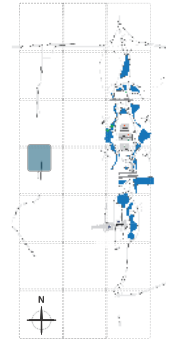
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-40

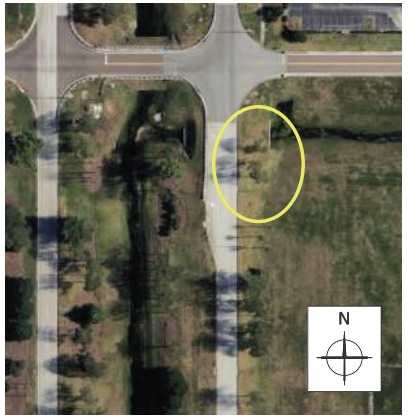
Drawing No.

01.21

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

10 Existing Elevation View (GM.TP.45)
Not to Scale

10 Concept Elevation View (GM.TP.45)
Not to Scale



10 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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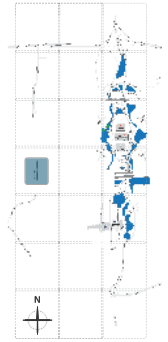
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

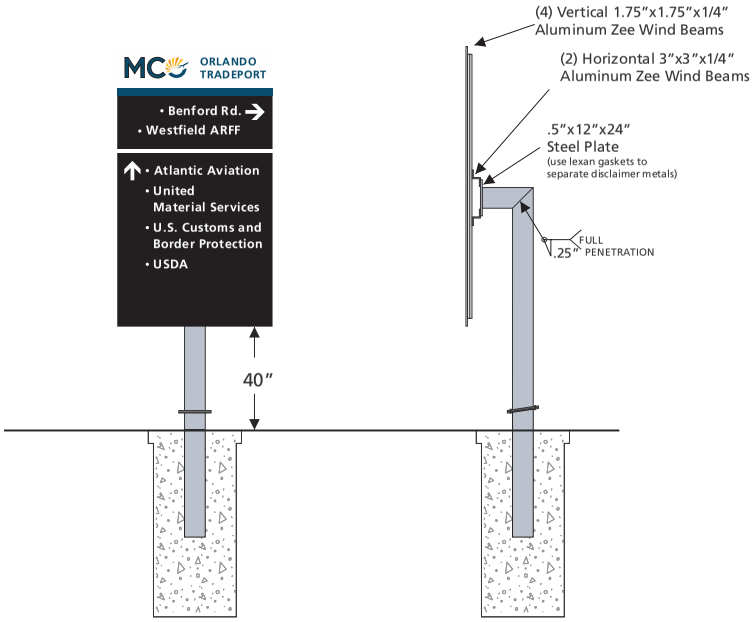
Drawing Title:

GM-TP-45

Drawing No.

01.22

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



10 Front Elevation View
Scale is 1/4" = 1'

10 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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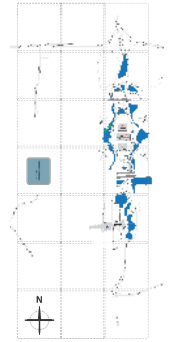
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-45

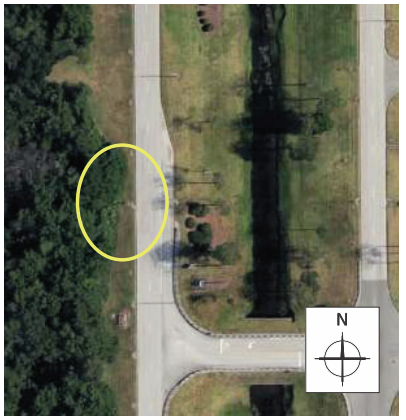
Drawing No.

01.23

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

11 Existing Elevation View (GM.TP.50)
Not to Scale

11 Concept Elevation View (GM.TP.50)
Not to Scale



11 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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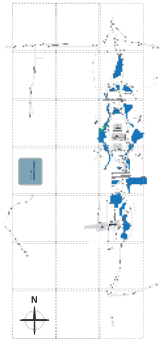
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

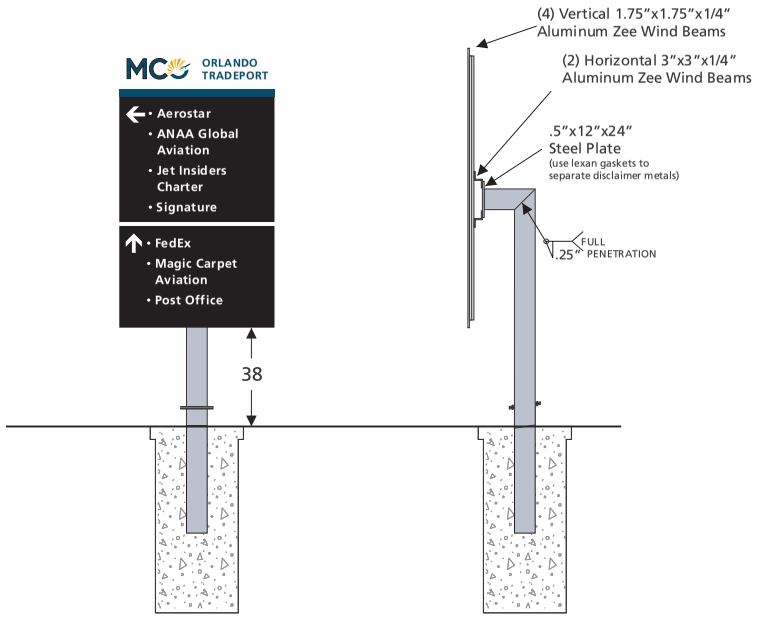
Drawing Title:

GM-TP-50

Drawing No.

01.24

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



11 Front Elevation View
Scale is 1/4" = 1'

11 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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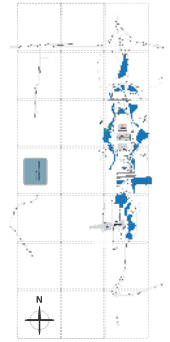


Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-50

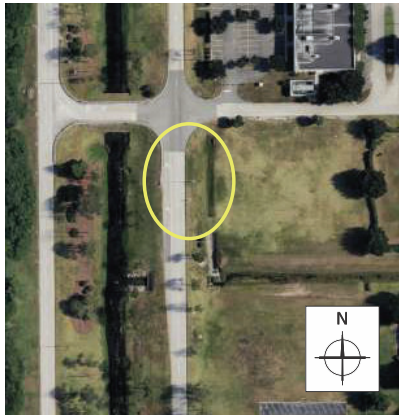
Drawing No.

01.25

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

12 Existing Elevation View (GM.TP.55)
Not to Scale

12 Concept Elevation View (GM.TP.55)
Not to Scale



12 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
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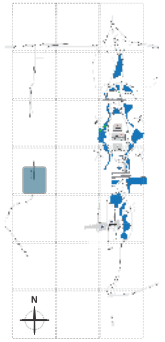
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

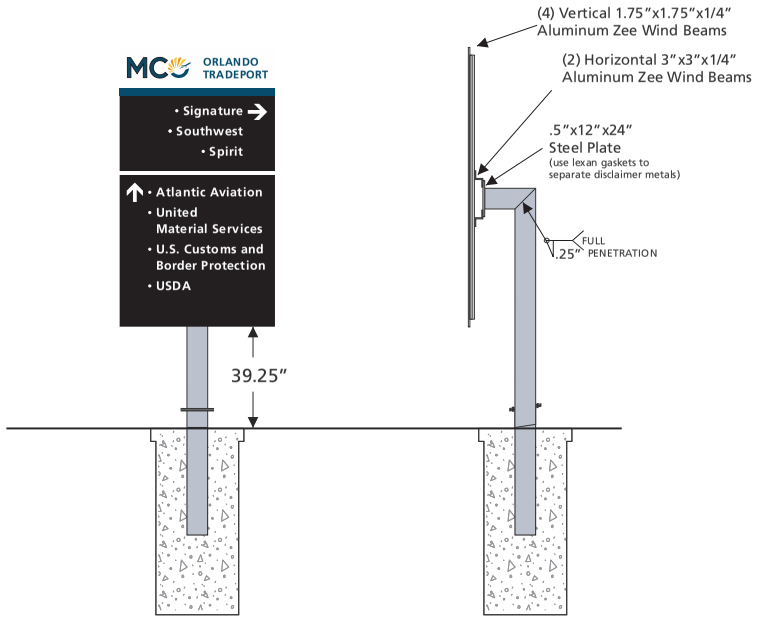
Drawing Title:

GM-TP-55

Drawing No.

01.26

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



12 Front Elevation View
Scale is 1/4" = 1'

12 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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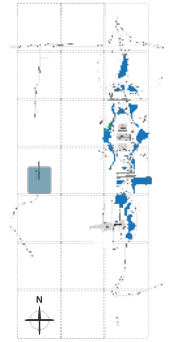
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

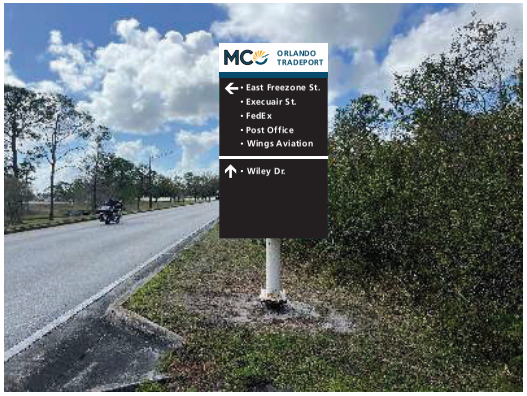
GM-TP-55

Drawing No.

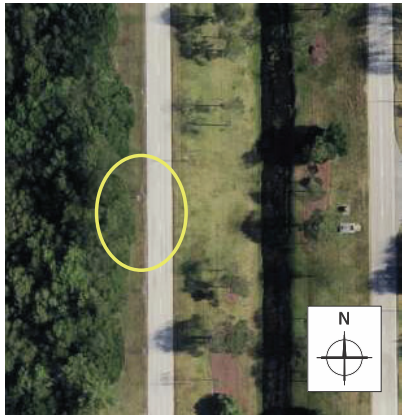
01.27

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

13 Existing Elevation View (GM.TP.60)
Not to Scale



13 Concept Elevation View (GM.TP.60)
Not to Scale



13 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

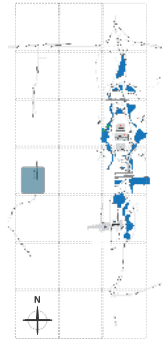
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

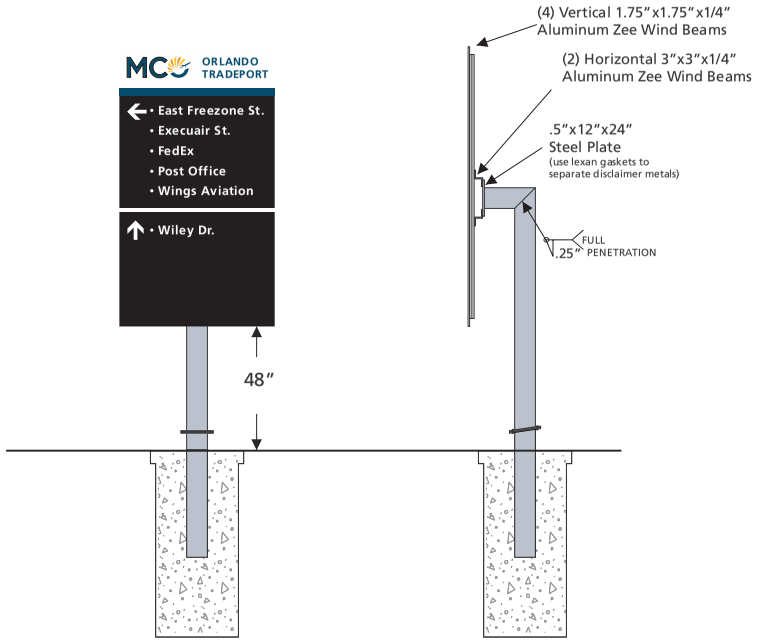
Drawing Title:

GM-TP-60

Drawing No.

01.28

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



13 Front Elevation View
Scale is 1/4" = 1'

13 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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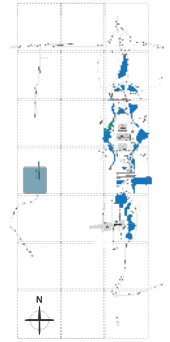
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-60

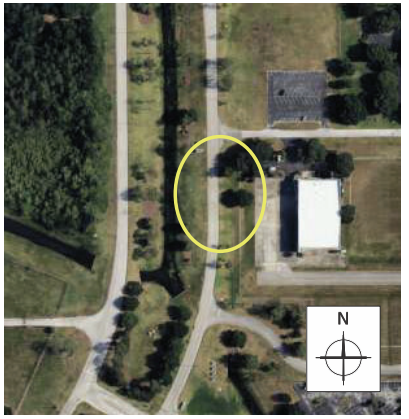
Drawing No.

01.29

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

14 Existing Elevation View (GM.TP.65)
Not to Scale

14 Concept Elevation View (GM.TP.65)
Not to Scale



14 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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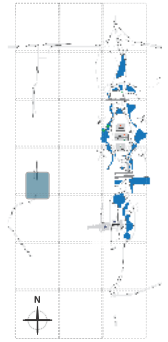
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

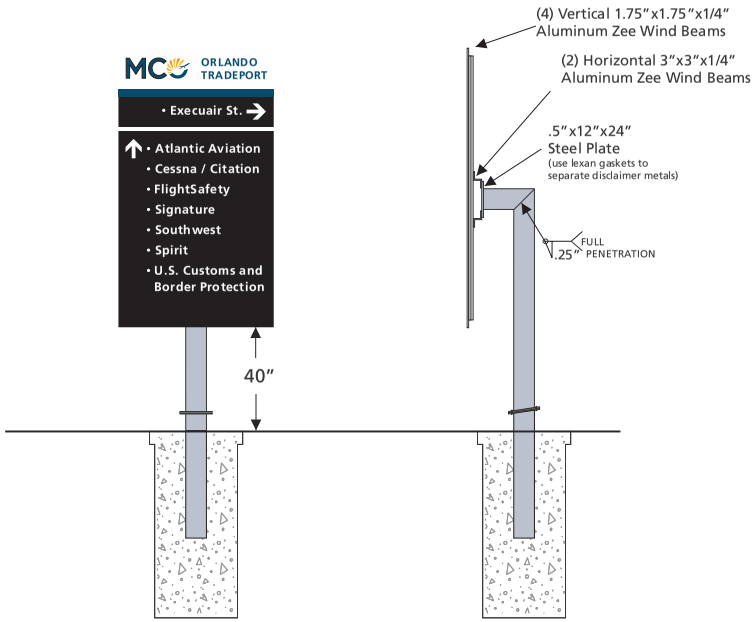
Drawing Title:

GM-TP-65

Drawing No.

01.30

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



14 Front Elevation View
Scale is 1/4" = 1'

14 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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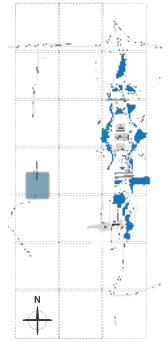
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-65

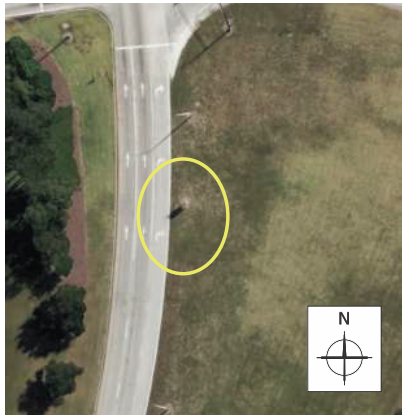
Drawing No.

01.31

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

15 Existing Elevation View (GM.TP.70)
Not to Scale

15 Concept Elevation View (GM.TP.70)
Not to Scale



15 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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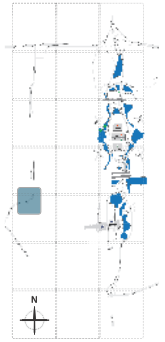
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

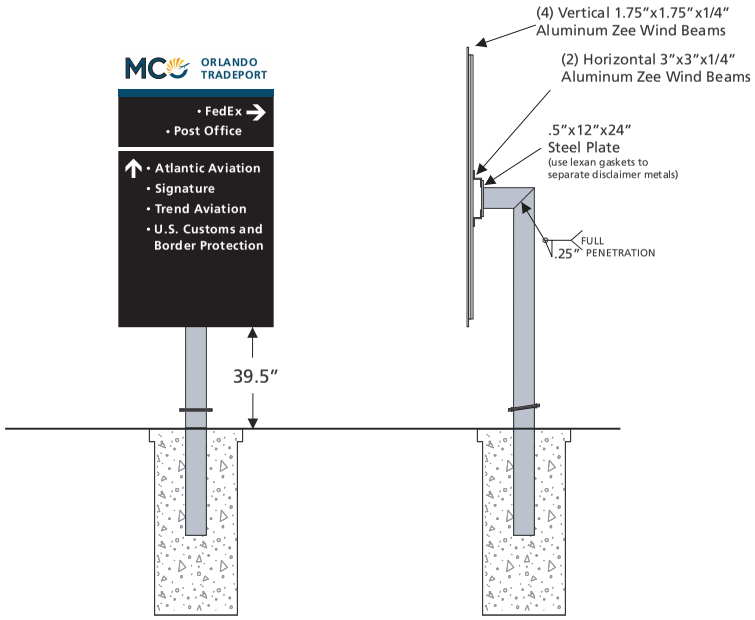
Drawing Title:

GM-TP-70

Drawing No.

01.32

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



15 Front Elevation View
Scale is 1/4" = 1'

15 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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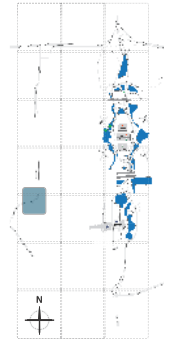
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-TP-70

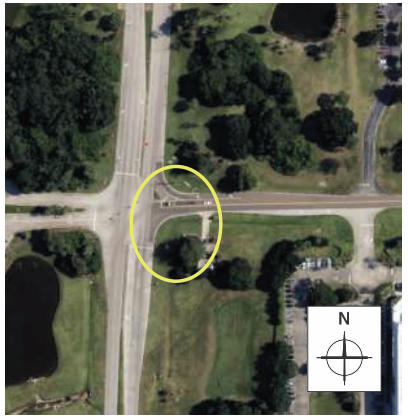
Drawing No.

01.33

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

16 Existing Elevation View (GM.BR.01)
Not to Scale

16 Concept Elevation View (GM.BR.01)
Not to Scale



16 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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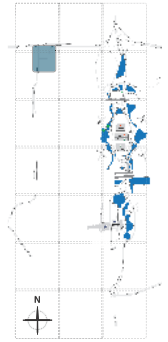
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

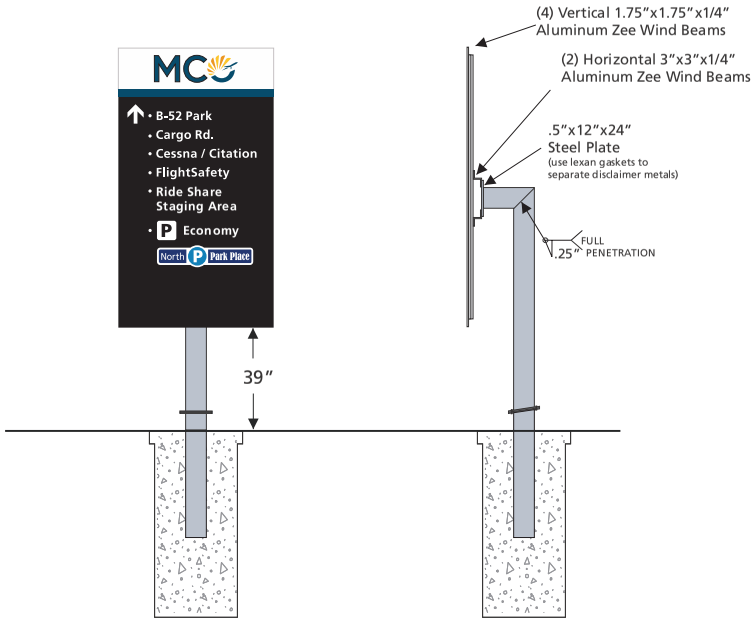
Drawing Title:

GM-BR-01

Drawing No.

01.34

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



16 Front Elevation View
Scale is 1/4" = 1'

16 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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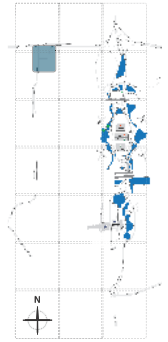
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

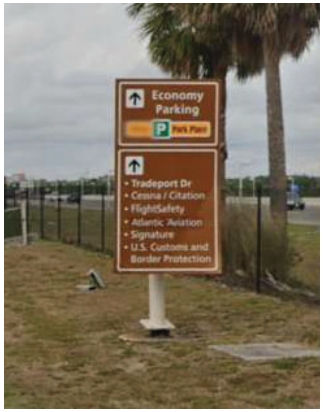
Drawing Title:

GM-BR-01

Drawing No.

01.35

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



17 Existing Elevation View (GM.BR.05)
Not to Scale

17 Concept Elevation View (GM.BR.05)
Not to Scale

17 Concept Site View
Not to Scale

Sign not in Scope

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

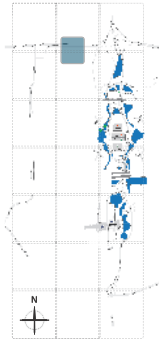
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-05

Drawing No.

01.35

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign

17 Front Elevation View
Scale is 1/4″ = 1′

17 Side Elevation View
Scale is 1/4″ = 1′

Sign not in Scope

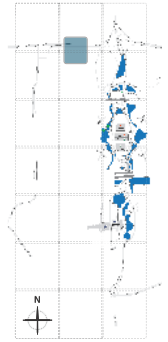
Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-05

Drawing No.

01.37

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

18 Existing Elevation View (GM.BR.10)
Not to Scale

18 Concept Elevation View (GM.BR.10)
Not to Scale

18 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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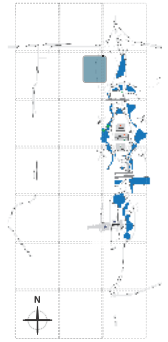
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

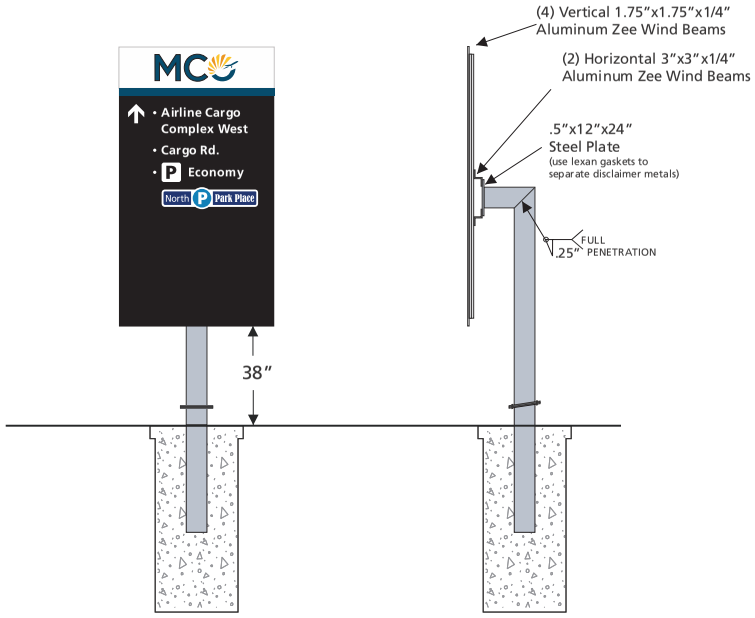
Drawing Title:

GM-BR-10

Drawing No.

01.38

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



18 Front Elevation View
Scale is 1/4″ = 1′

18 Side Elevation View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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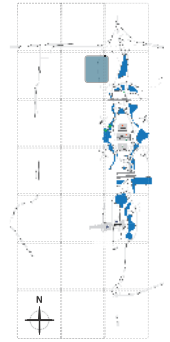
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-10

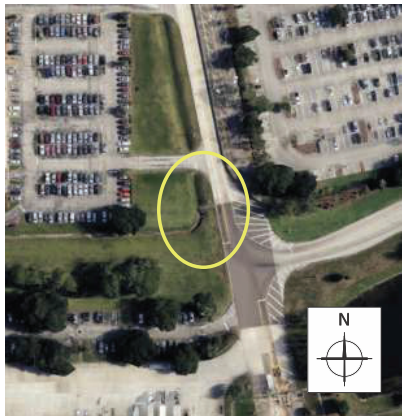
Drawing No.

01.39

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1

19 Existing Elevation View (GM.BR.15)
Not to Scale

19 Concept Elevation View (GM.BR.15)
Not to Scale



19 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.03)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
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*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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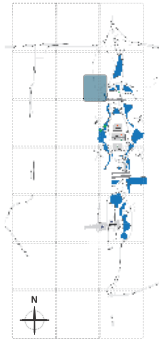
www.artidentity.us

Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

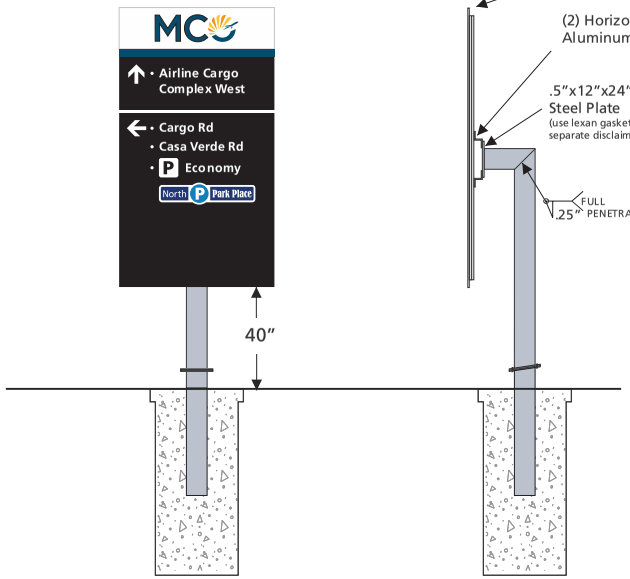
Drawing Title:

GM-BR-15

Drawing No.

01.40

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 1



19 Front Elevation View
Scale is 1/4" = 1'

19 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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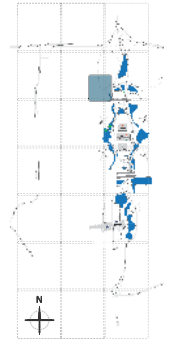
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-BR-15

Drawing No.

01.41

PROJECT CONCEPT TEAM:

- GOAA Wayfinding & Signage
- Artistic Identity

Orlando International Airport

H-00416

Overhead & Ground Mtd. Sign Updates PART 2 - D/B

ORLANDO INTERNATIONAL AIRPORT
1 JEFF FUQUA BLVD.
ORLANDO, FLORIDA 32827

Mar 6th 2026

SCOPE DEFINITION DOCUMENTS

CHAIRPERSON:	STEPHANIE KOPELOUSOS
VICE CHAIRPERSON:	JOE NUNZIATA
TREASURER:	DAN GIORDANO
BOARD MEMBERS:	THE HONORABLE BUDDY DYER THE HONORABLE JERRY DEMINGS M. CARSON GOOD JASON JAMES
CHIEF EXECUTIVE OFFICER:	LANCE LYTTLE

GOAA PLANNING DEPARTMENT
GOAA ENGINEERING DEPARTMENT

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

01.42 - Cover
01.43 - Index
01.44 - Painting Details
01.45 thru 01.84 - Individual Sign Details

02.00 - Location Map (in separate document)

GM = Ground Mounted Sign

Orlando International Airport

G-0049
Ground Mounted Roadway Signage Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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100 E Pine St
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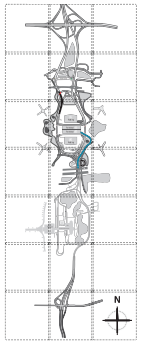
Key Plan



Revisions

No.	Date	Description

Project No.:	G-0049
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Index & Details

Drawing No.

01.43

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

General Surface Coating Notes:
The Contractor shall paint the vertical and horizontal support columns of the sign structures. The painting shall be done following erection of the proposed overhead sign supports and prior to final acceptance. This provision does not change any of the requirements set forth in the contract pertaining to the overhead sign structures, but rather provides a means for enhancing the aesthetics of the final product. The Contractor shall have a minimum of 5 years experience in painting FDOT structures.

The Contractor shall clean and paint in accordance with this specification. The provisions of ASTM D 2092, "Preparation of Zinc Coated (Galvanized) Steel Surfaces for Painting"; and Sections 560 and 562 of the Technical Specifications not in conflict with this specification also apply. "Spot" repairs are not permitted. No claims for delays or time extensions will be considered should the work be stopped due to failure of the Contractor to meet the requirements of this specification.

The Contractor shall clean and paint from the top of the structure down to prevent accumulation of debris or damage to previously painted surfaces under this Project.

The Contractor shall clean and paint galvanizing before re-attachment of upright attachments, e.g. electrical disconnect switch boxes, electrical conduit, DMS controller boxes, FON conduit, or recently installed antennae.

Pollution Control:
Comply with all applicable Federal, State, and local rules and regulations. In the event the Contractor violates any environmental regulations or fails to properly execute any pollution control provisions, the owner has the authority to immediately cease all operations associated with the infraction. Operations will only resume after written proposed corrective procedures have been submitted to and approved by owner and implemented.

Ambient Conditions:
Do not conduct final surface preparation on bare substrate or apply paint unless the steel surface temperature is 5°F above the dew point and the relative humidity is below 85%. No paint shall be applied when the ambient air or surface temperature is less than 50° F or above 95° F, unless authorized in writing by the owner.

Submit the following to GOAA:
- Proof of 5 years experience in painting FDOT structures
- Applicable Contractor personnel training and certifications.
- Contractor's Environmental, Health and Safety plan.
- Contractor's Quality Control plan
- Manufacturer's Product Data Sheets (PDS) and Material Safety Data Sheets (MSDS) for all materials to be used on the project.
- Certification from the manufacturer that all coating materials contain less than 100 ppm lead.
- (3) Physical coating samples on a 6" x 6" steel plate.
- supply (5) gallons of attic stock paint (at project completion)

Surface Preparation:
Clean all existing surfaces to meet the requirements of SSPC-SP1.
Use a minimum of a pressurized (minimum of 3,500 psi at the nozzle) potable water wash. Hold nozzle no more than 12 inches from the surface being cleaned. Mechanical (e.g. scrub brushes), steam cleaning or other means may also be necessary. All cleaners must be approved by the coatings manufacturer and reviewed by the owner prior to use. Do not use hydrocarbon solvents.
Prepare all surface in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-S-3 Power Tool Cleaning.

Painting General:
- Do not apply any paint that contains more than 100 ppm lead.
- Brush or roller apply all coatings. Spray application is not permitted.
- Minimum and maximum dry film thicknesses (DFT) of each coat and time period between coats shall be recommended by the manufacturer's corrosion engineer or available within their published literature; and submitted to GOAA for acceptance.
- Remove any paint that curls or lifts after application and repaint the areas as per specification.
- Determine wet film thickness during application in accordance with ASTM D 4414, "Standard Practice for Measurement of Wet Film Thickness by Notch Gages".
- Determine dry film thickness in accordance with SSPC PA-2, "Measurement of Dry Coating Thickness with Magnetic Gages". If dry film thickness does not conform to specified ranges, correct the deficiency as directed by the owner.
- The color of the finish coat of the structures shall by approved by the owner.

Coating Materials:
All coatings materials must be submitted and approved by the owner prior to start of project.

Coating system:
- 1st Coat -"Spot" Prime previously prepared bare metal substrate with Gulf Coast Paints Gulf Coast Paints CM 15 High Build Epoxy Mastic or equivalent as approved by the Owner
- 2nd Coat - Full Coat of Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.
- 3rd Coat – Full Coat Gulf Coast Paints MCU 100 Urethane Primer/Finish, or equivalent as approved by the Owner.

Prevent any wet paint from damaging property. If any accidental spill, immediately contact the owner for evaluation. Be responsible for any cleanup due to accidental spill, overspray, etc., and all work and liability associated with the cleanup effort. Remove any paint that comes in contact with concrete or other surfaces not specified to be painted at no expense to the owner.

Paint Color = Gulf Coast MCU 100 Aluminum
provide samples for approval

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H-0416
Overhead & Ground Mtd. Sign Updates

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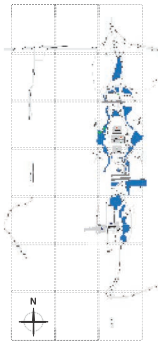

Revisions

No.	Date	Description

Project No.:	H-00416
Designed By:	RJ
Drawn By:	RJ
Checked By:	
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

Painting Details

Drawing No.

01.44

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

20 Existing Elevation View (GM.CR.01)
Not to Scale

20 Concept Elevation View (GM.CR.01)
Not to Scale

20 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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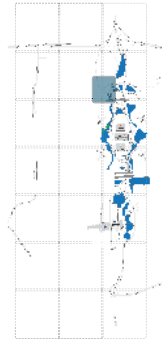
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

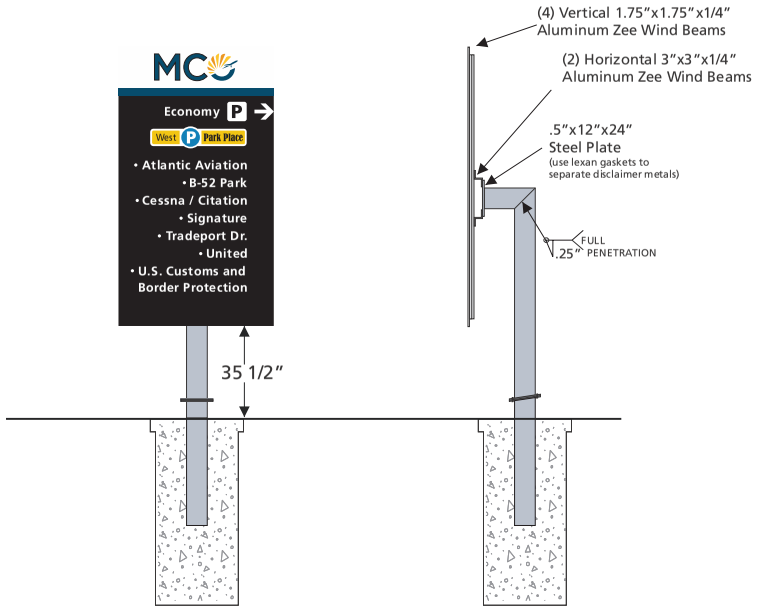
Drawing Title:

GM-CR-01

Drawing No.

01.45

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



20 Install View
Scale is 1/4" = 1'

20 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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H-0416
Overhead & Ground Mtd. Sign Updates

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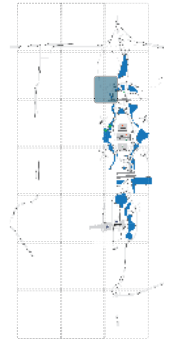
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-01

Drawing No.

01.46

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

21 Existing Elevation View (GM.CR.05)
Not to Scale

21 Concept Elevation View (GM.CR.05)
Not to Scale

21 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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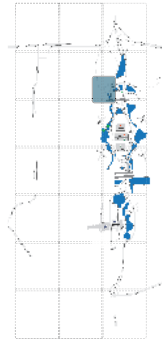
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

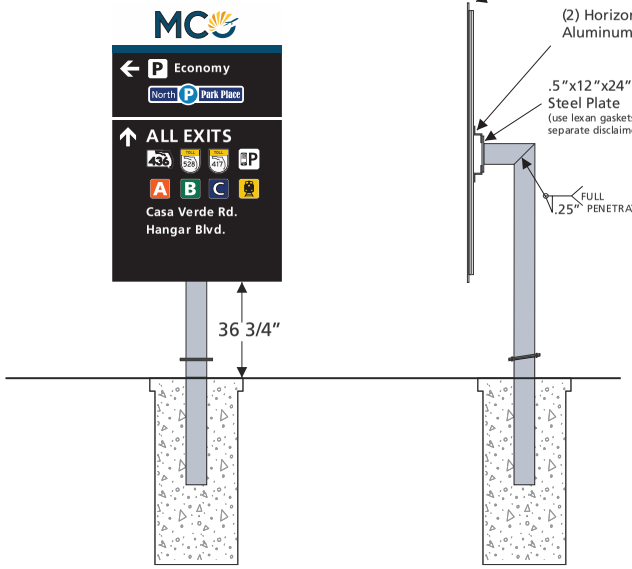
Drawing Title:

GM-CR-05

Drawing No.

01.47

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



21 Install View
Scale is 1/4" = 1'

21 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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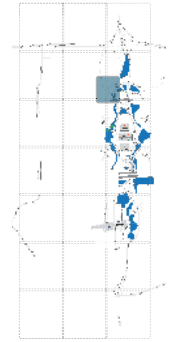
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-05

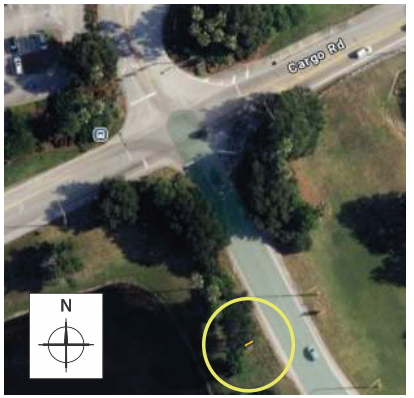
Drawing No.

01.48

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

22 Existing Elevation View (GM.CR.06)
Not to Scale

22 Concept Elevation View (GM.CR.06)
Not to Scale



22 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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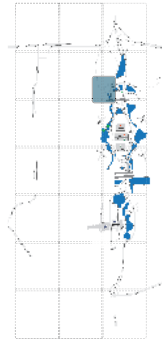
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

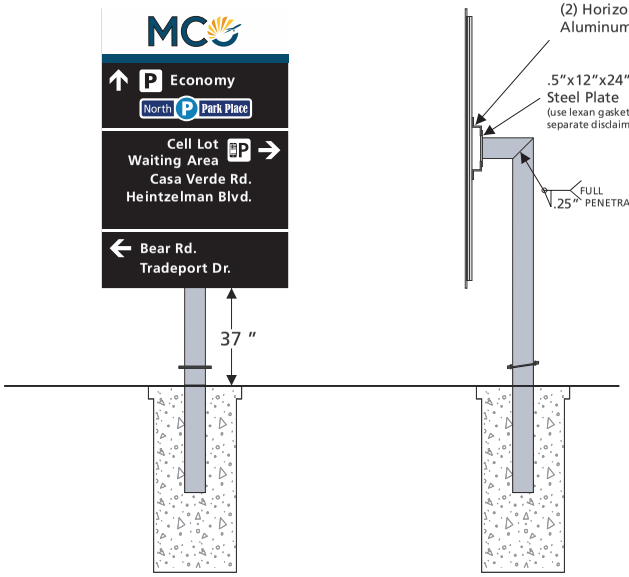
Drawing Title:

GM-CR-06

Drawing No.

01.49

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



22 Install View
Scale is 1/4″ = 1′

22 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

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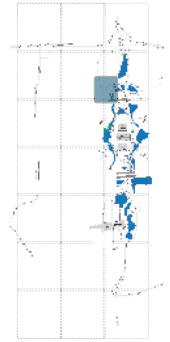
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

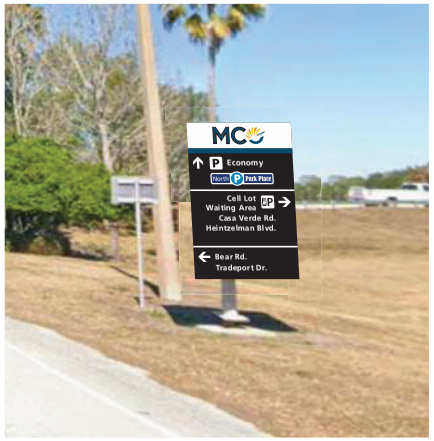
GM-CR-06

Drawing No.

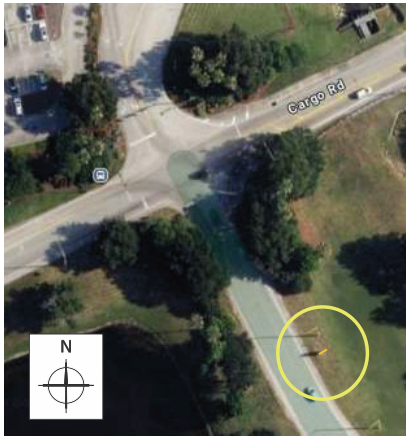
01.50

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

23 Existing Elevation View (GM.CR.07)
Not to Scale



23 Concept Elevation View (GM.CR.07)
Not to Scale



23 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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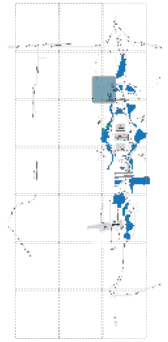
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

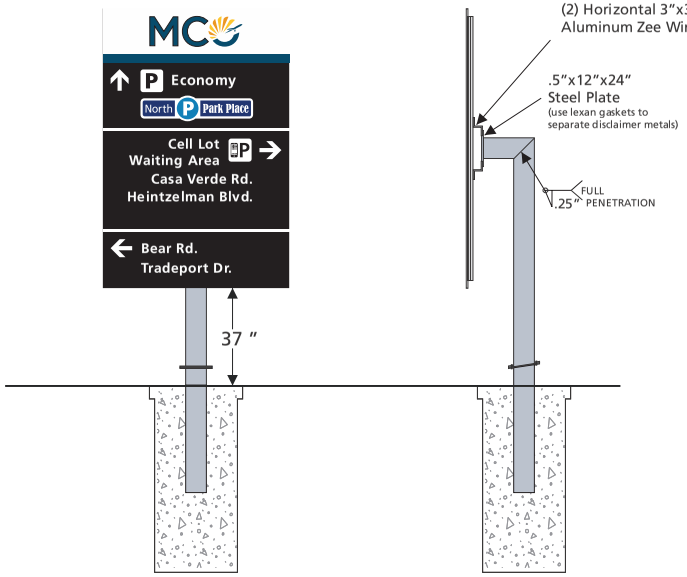
Drawing Title:

GM-CR-07

Drawing No.

01.51

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



23 Install View
Scale is 1/4″ = 1′

23 Side View
Scale is 1/4″ = 1′

Front Base View

Side Base View

Structure Attachment View

need current pics

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H-0416
Overhead & Ground Mtd. Sign Updates

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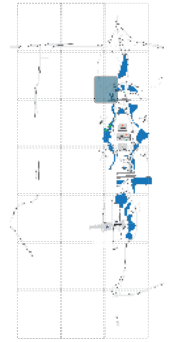
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-07

Drawing No.

01.52

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

24 Existing Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Elevation View (GM.CR.P.01)
Not to Scale

24 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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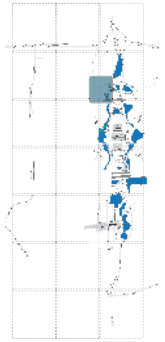
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

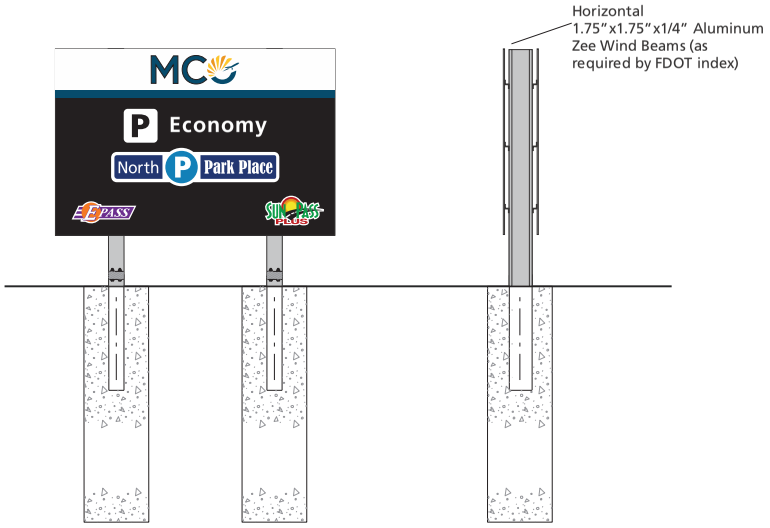
GM-CR-P-01

Drawing No.

01.53

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



24 Front Elevation View
Scale is 1/4" = 1'

24 Side Elevation View
Scale is 1/4" = 1'

Side Base View

Structure Attachment View

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H-0416
Overhead & Ground Mtd. Sign Updates

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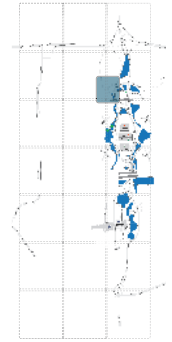
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

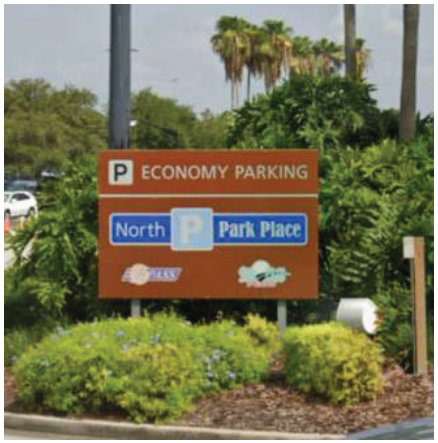
Drawing Title:

GM-CR-P-01

Drawing No.

01.54

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



25 Existing Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Elevation View (GM.CR.P.05)
Not to Scale

25 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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Overhead & Ground Mtd. Sign Updates

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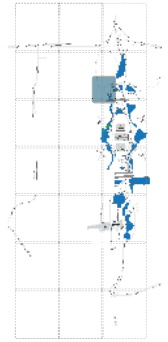
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

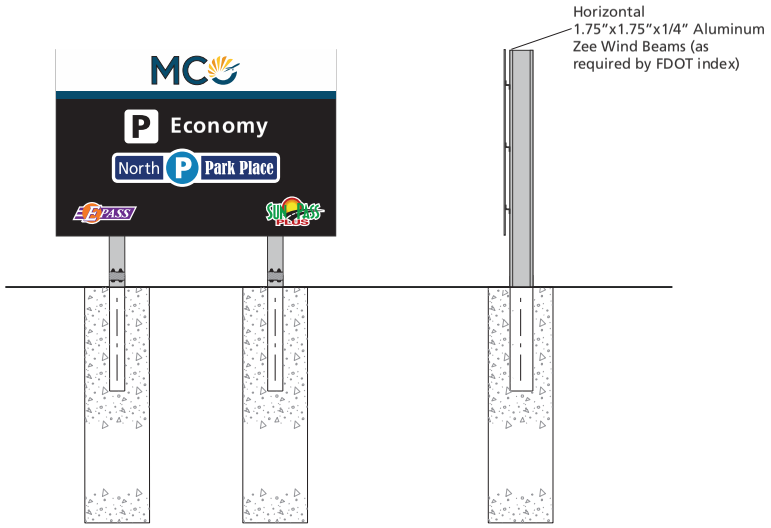
GM-CR-P-05

Drawing No.

01.55

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

Fabrication & Installation Details
per FDOT Index 700-020
Multi Column Ground Sign



25 Front Elevation View
Scale is 1/4" = 1'

25 Side Elevation View
Scale is 1/4" = 1'

Side Base View

Structure Attachment View

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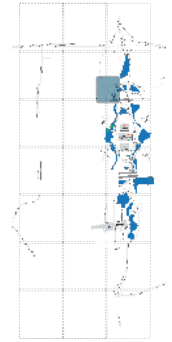
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-P-05

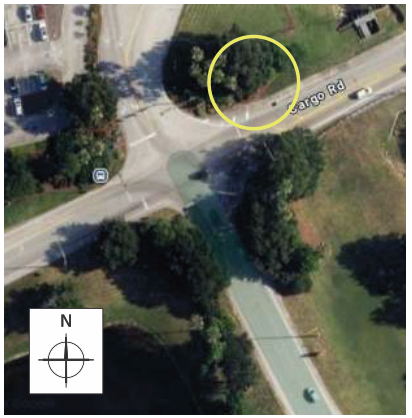
Drawing No.

01.56

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

26 Existing Elevation View (GM.CR.10)
Not to Scale

26 Concept Elevation View (GM.CR.10)
Not to Scale



26 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
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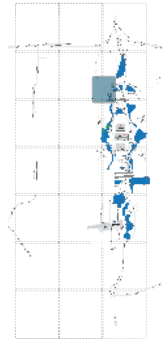
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

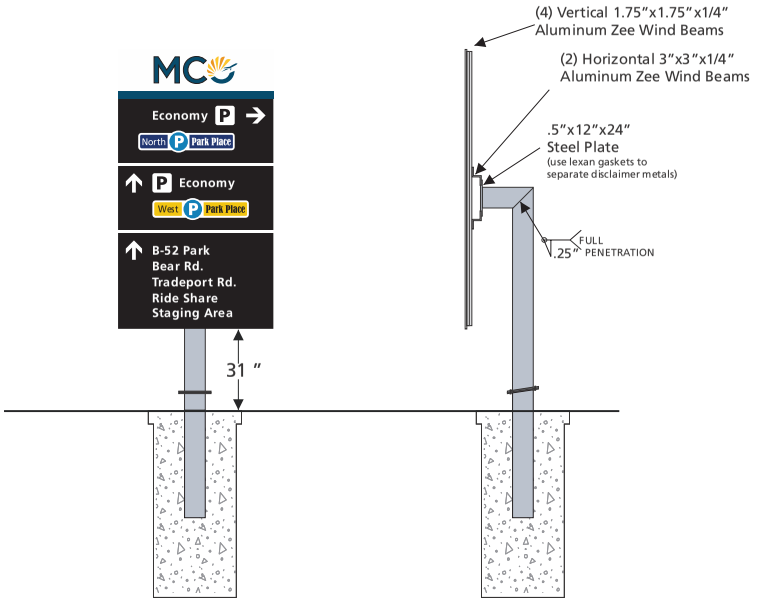
Drawing Title:

GM-CR-10

Drawing No.

01.57

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



26 Install View
Scale is 1/4" = 1'

26 Side View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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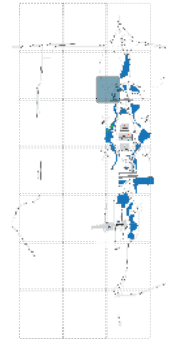
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-10

Drawing No.

01.58

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

30 Existing Elevation View (GM.CR.21)
Not to Scale

30 Concept Elevation View (GM.CR.21)
Not to Scale

30 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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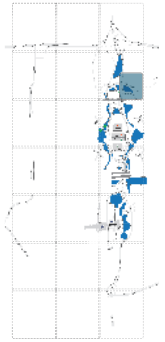
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

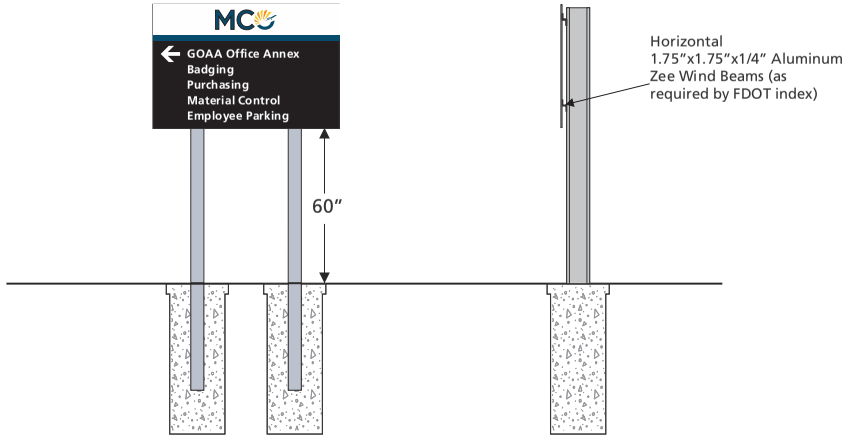
Drawing Title:

GM-CR-21

Drawing No.

01.59

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



30 Front Elevation View
Scale is 1/4" = 1'

30 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

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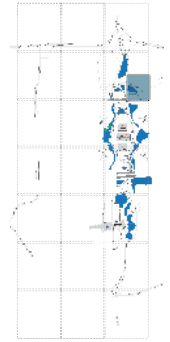
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-21

Drawing No.

01.60

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

32 Existing Elevation View (GM.CR.25)
Not to Scale

32 Concept Elevation View (GM.CR.25)
Not to Scale

32 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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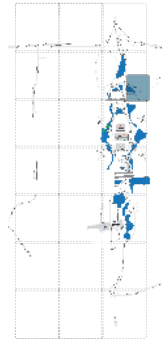
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

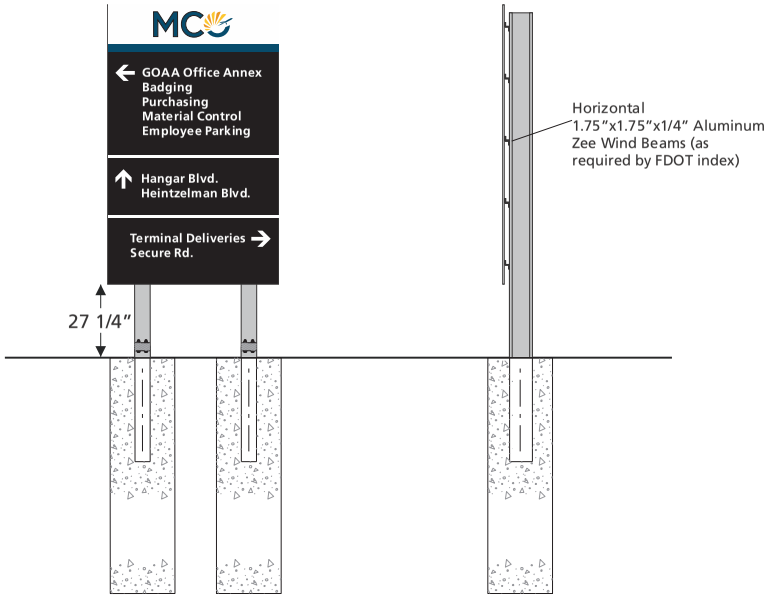
Drawing Title:

GM-CR-25

Drawing No.

01.61

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



32 Front Elevation View
Scale is 1/4" = 1'

32 Side Elevation View
Scale is 1/4" = 1'

Side Base View

Structure Attachment View

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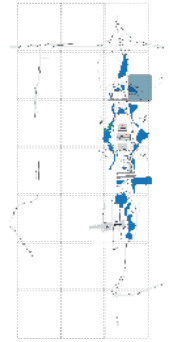
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-25

Drawing No.

01.62

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

34 Existing Elevation View (GM.CR.32)
Not to Scale

34 Concept Elevation View (GM.CR.32)
Not to Scale

34 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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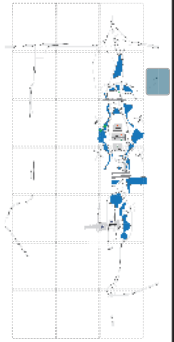
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

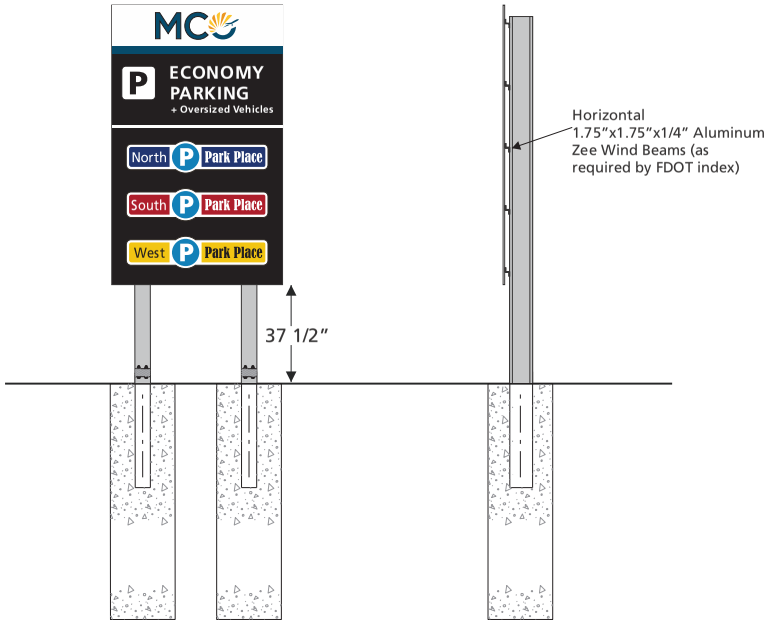
Drawing Title:

GM-CR-32

Drawing No.

01.63

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



34 Front Elevation View
Scale is 1/4" = 1'

34 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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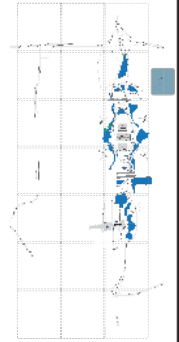
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CR-32

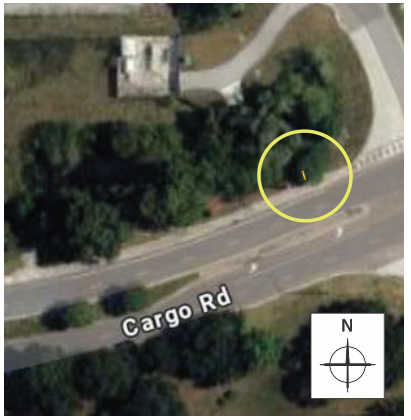
Drawing No.

01.64

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

35 Existing Elevation View (GM.CR.35)
Not to Scale

35 Concept Elevation View (GM.CR.35)
Not to Scale



35 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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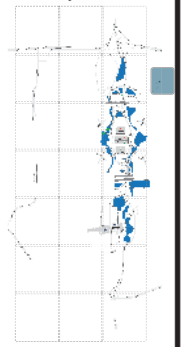
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

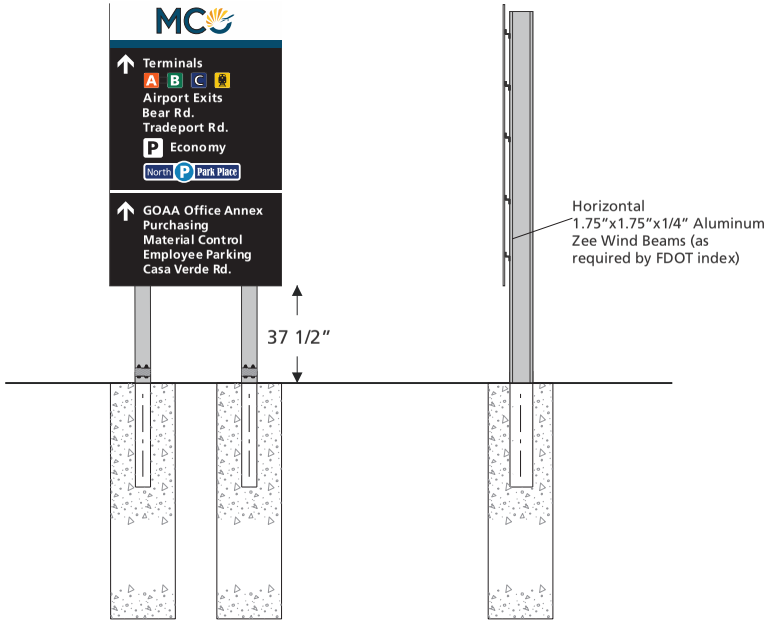
Drawing Title:

GM-CR-35

Drawing No.

01.65

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



35 Front Elevation View
Scale is 1/4" = 1'

35 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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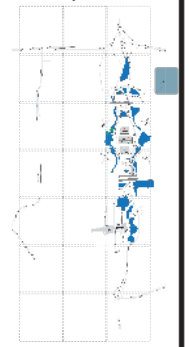
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

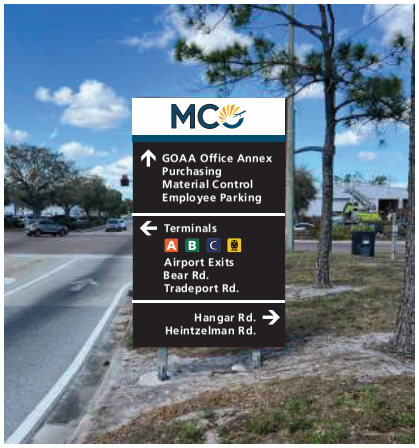
GM-CR-35

Drawing No.

01.66

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

36 Existing Elevation View (GM.CV.05)
Not to Scale



36 Concept Elevation View (GM.CV.05)
Not to Scale

36 Concept Site View
Not to Scale

Scope

Sign poles are galvanized and should be free of corrosion
Survey and advise if there is rust present
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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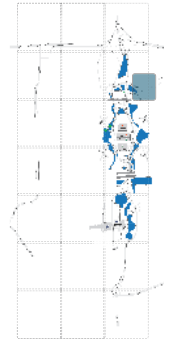
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

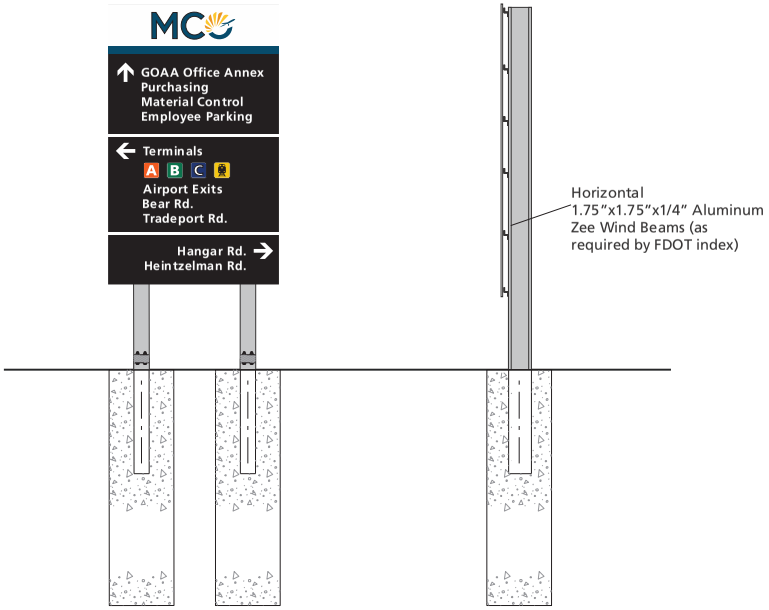
Drawing Title:

GM-CV-05

Drawing No.

01.67

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



36 Front Elevation View
Scale is 1/4" = 1'

36 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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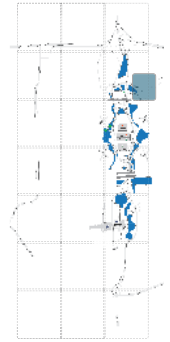
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-05

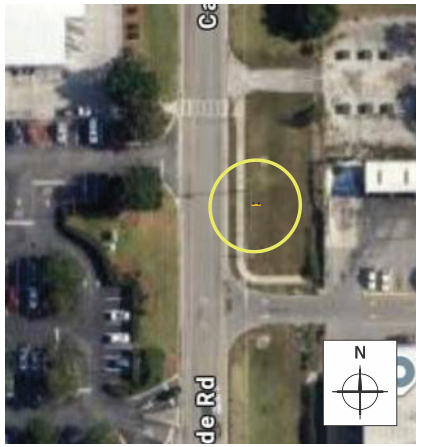
Drawing No.

01.68

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

37 Existing Elevation View (GM.CV.10)
Not to Scale

37 Concept Elevation View (GM.CV.10)
Not to Scale



37 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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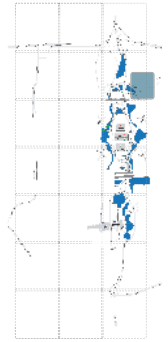
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

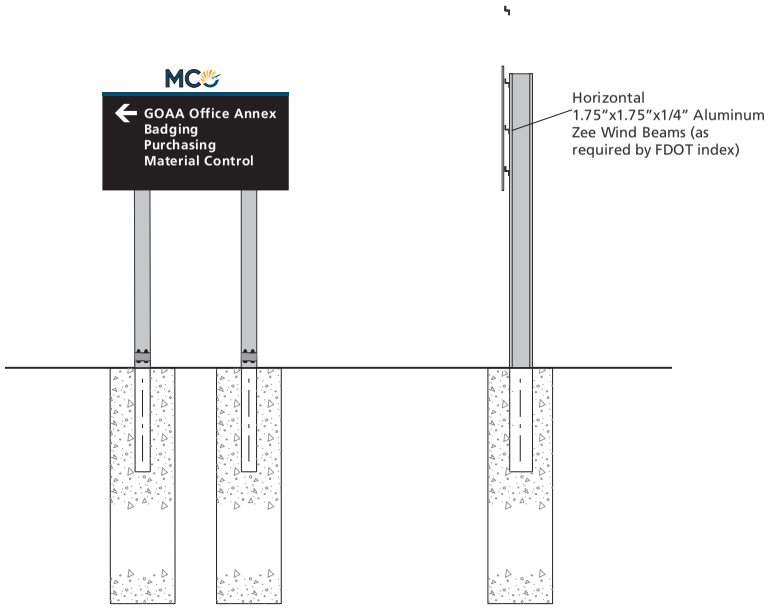
Drawing Title:

GM-CV-10

Drawing No.

01.69

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



37 Front Elevation View
Scale is 1/4" = 1'

37 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

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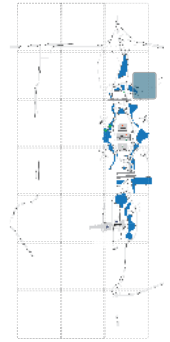
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

GM-CV-10

Drawing No.

01.70

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

38 Existing Elevation View (GM.CV.15)
Not to Scale

38 Concept Elevation View (GM.CV.15)
Not to Scale

38 Concept Site View
Not to Scale

Scope

Remove sign from structure
Clean and paint all exposed steel per details (reference sheet 01.43)
Replace all attachment hardware with new S.S. attachment hardware and break-away bolts as required
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-049 Contractor

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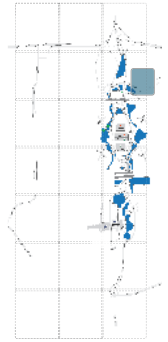
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

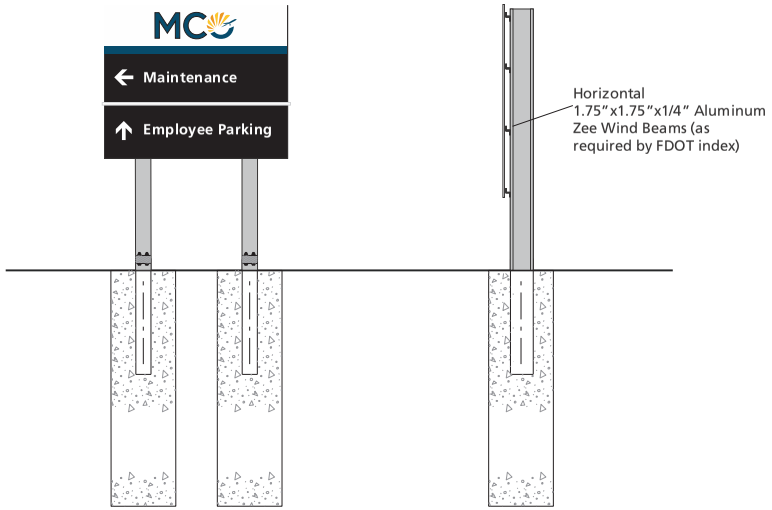
Drawing Title:

GM-CV-15

Drawing No.

01.71

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



38 Front Elevation View
Scale is 1/4" = 1'

38 Side Elevation View
Scale is 1/4" = 1'

Front Base View

Side Base View

Structure Attachment View

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

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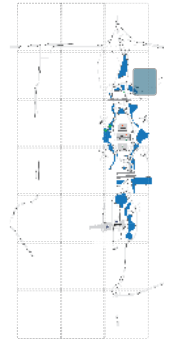
Key Plan



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

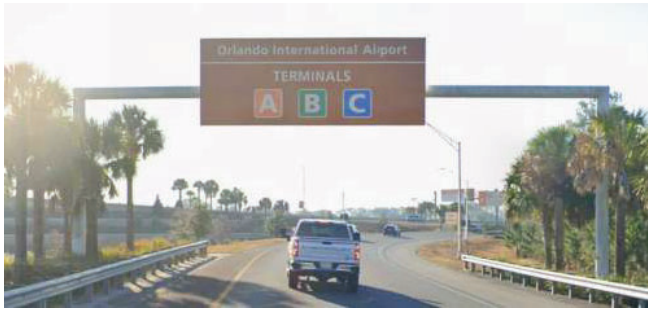
Drawing Title:

GM-CV-15

Drawing No.

01.72

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

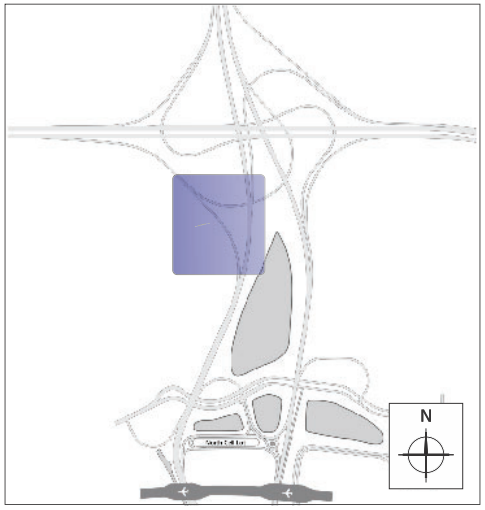


39 Existing Elevation View (SA.20)
Not to Scale

39 Elevation View (SA.20)
Not to Scale

General Location Area

39 Site View
Not to Scale



39 Location View
Not to Scale

39 Back Elevation View (SA.20)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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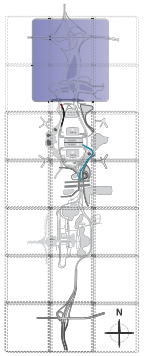


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-SA-20

Drawing No.

01.73

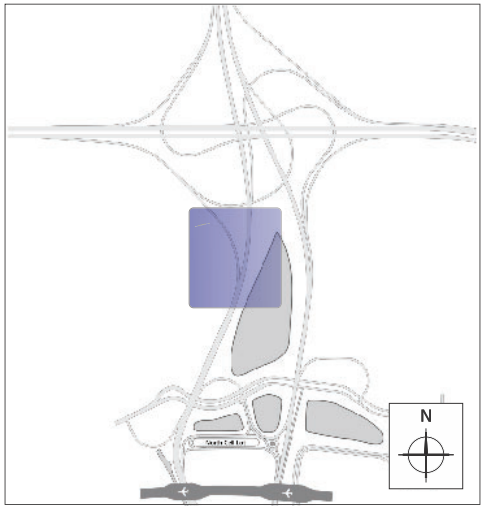
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

40 Existing Elevation View (SA.25)
Not to Scale

40 Elevation View (SA.25)
Not to Scale

General Location Area

40 Site View
Not to Scale



40 Location View
Not to Scale

40 Back Elevation View (SA.25)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

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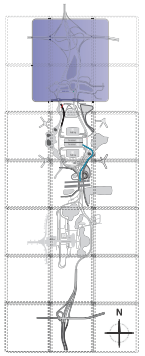


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

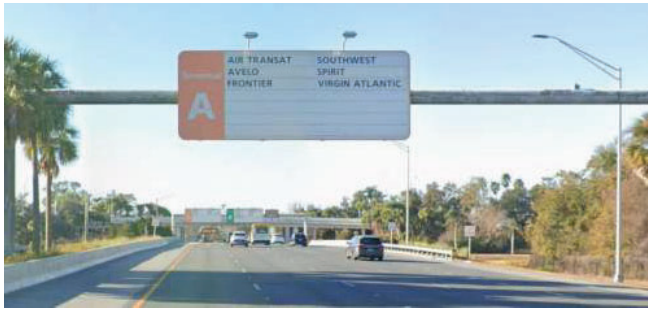
Drawing Title:

OT-SA-25

Drawing No.

01.74

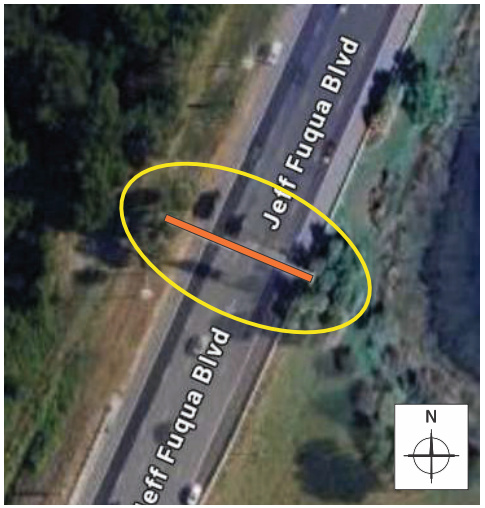
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



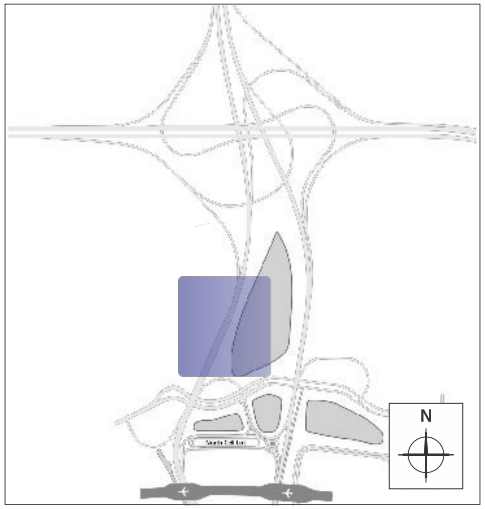
41 Existing Elevation View (SA.30)
Not to Scale

41 Elevation View (SA.30)
Not to Scale

General Location Area



41 Site View
Not to Scale



41 Location View
Not to Scale

41 Back Elevation View (SA.30)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
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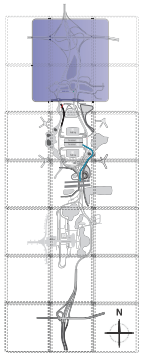


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

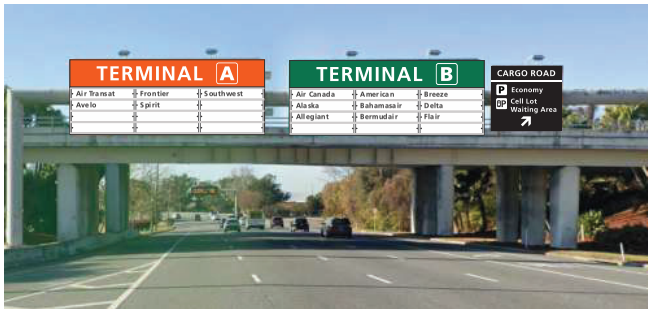
OT-SA-30

Drawing No.

01.75

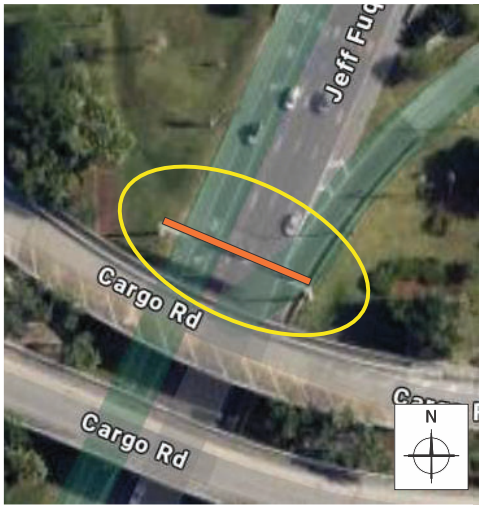
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

42 Existing Elevation View (SA.35)
Not to Scale

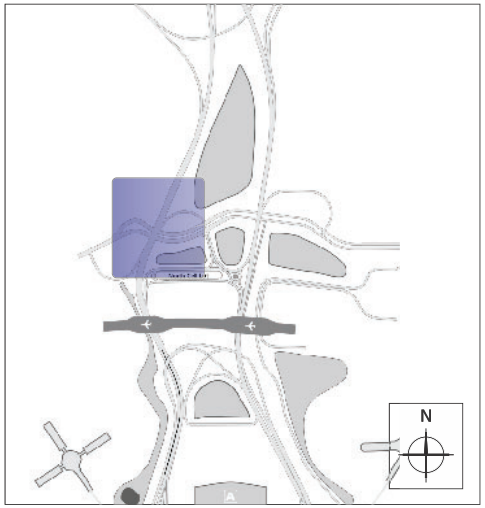


42 Elevation View (SA.35)
Not to Scale

General Location Area



42 Site View
Not to Scale



42 Location View
Not to Scale

42 Back Elevation View (SA.35)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
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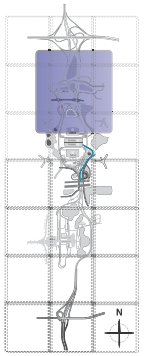


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-SA-35

Drawing No.

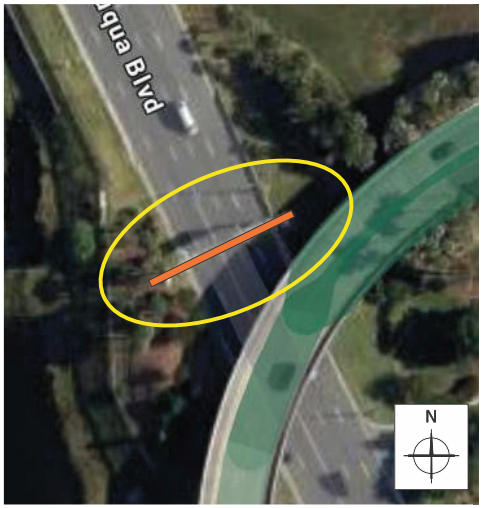
01.76

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

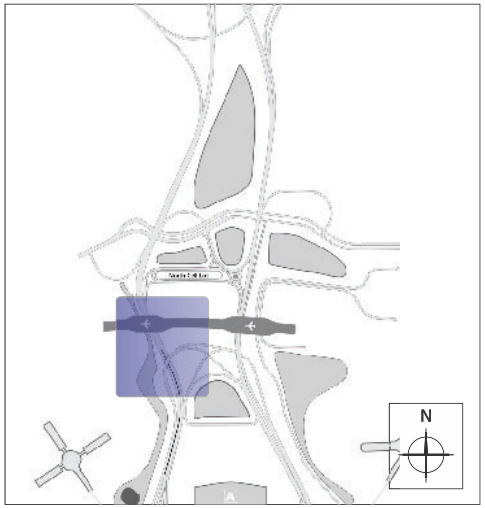
43 Existing Elevation View (SA.45)
Not to Scale

43 Elevation View (SA.45)
Not to Scale

General Location Area



43 Site View
Not to Scale



43 Location View
Not to Scale

43 Back Elevation View (SA.45)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
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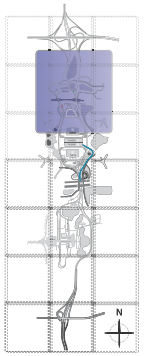


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

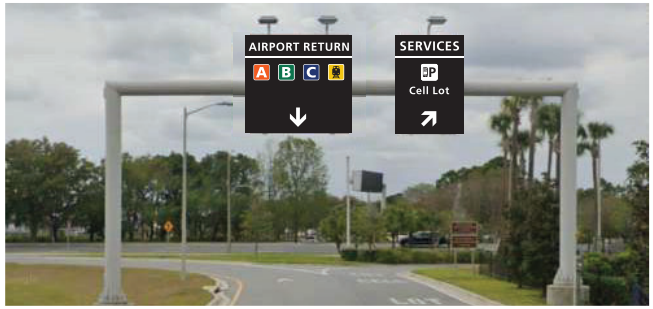
OT-SA-45

Drawing No.

01.77

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

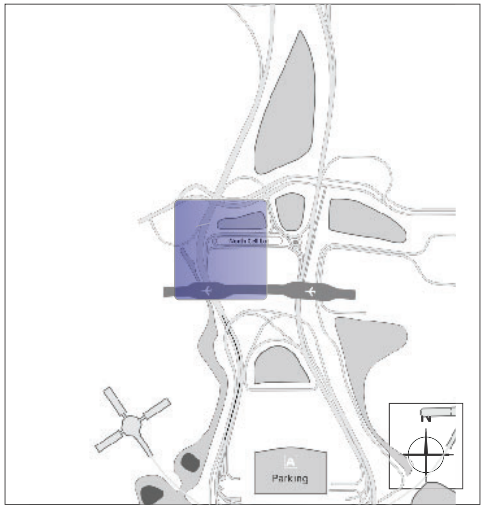
44 Existing Elevation View (LA.09)
Not to Scale



44 Elevation View (LA.09)
Not to Scale

General Location Area

44 Site View
Not to Scale



44 Location View
Not to Scale

64 Back Elevation View (LA.09)
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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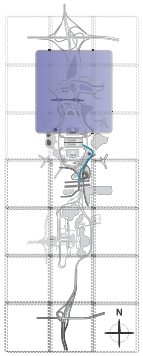


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

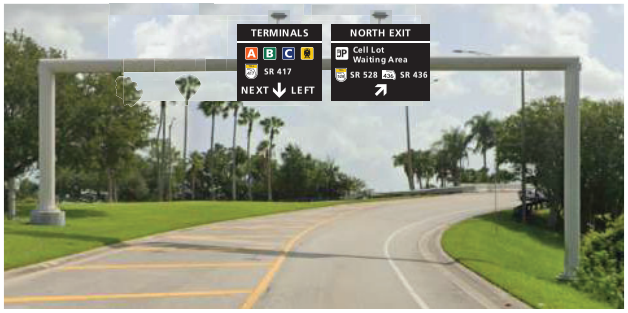
Drawing Title:

OT-LA-09

Drawing No.

01.78

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

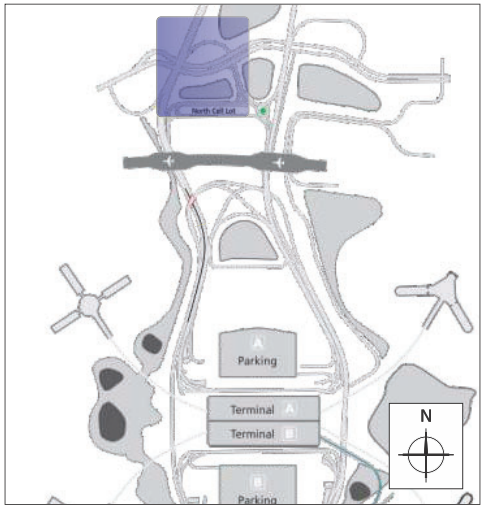


45 Existing Elevation View (OT.CR.6)
Not to Scale

45 Past Back Elevation View (CR.06)
Not to Scale

General Location Area

45 Concept Site View
Not to Scale



45 Location View
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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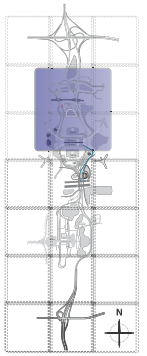


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-CR-06

Drawing No.

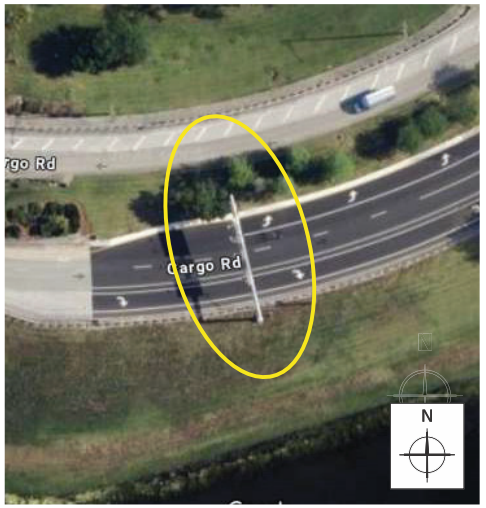
01.79

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

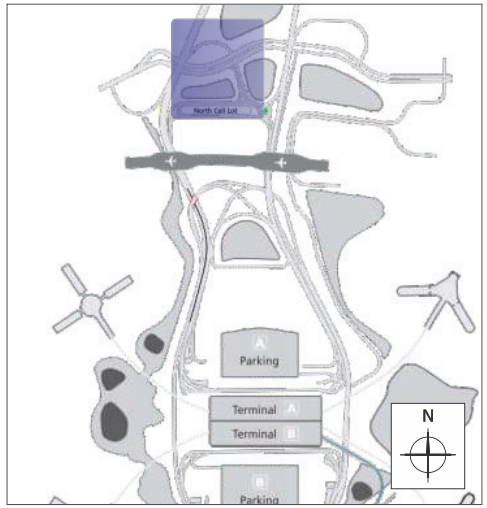
46 Existing Elevation View (OT.CR.7)
Not to Scale

46 Past Back Elevation View (CR.07)
Not to Scale

General Location Area



46 Concept Site View
Not to Scale



46 Location View
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

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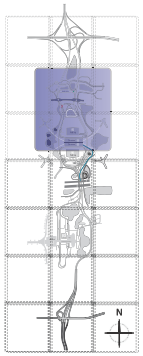


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-CR-07

Drawing No.

01.80

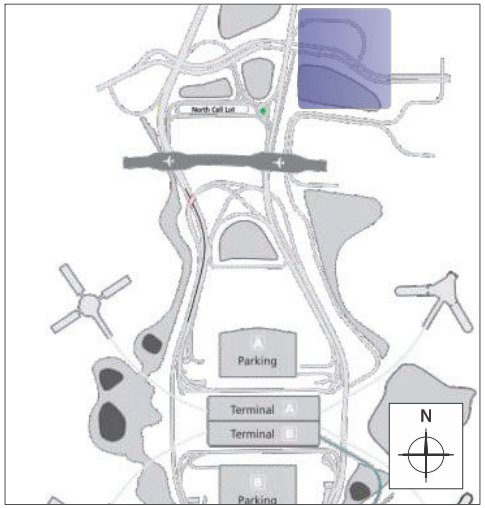
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

47 Existing Elevation View (OT.CR.4)
Not to Scale

47 Past Back Elevation View (CR.04)
Not to Scale

General Location Area

47 Concept Site View
Not to Scale



47 Location View
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

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H-0416
Overhead & Ground Mtd. Sign Updates

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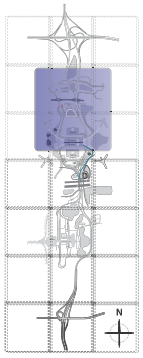


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

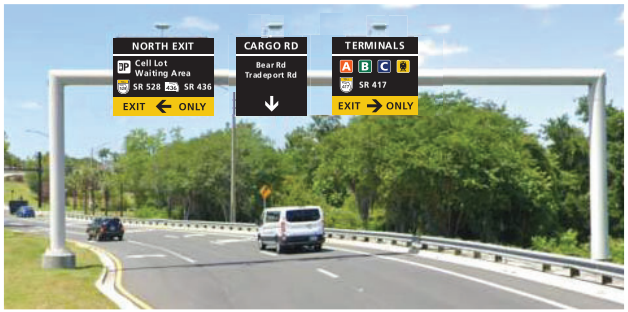
Drawing Title:

OT-CR-04

Drawing No.

01.81

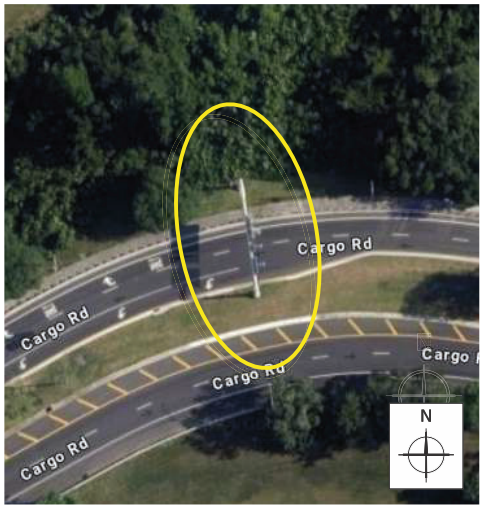
H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2



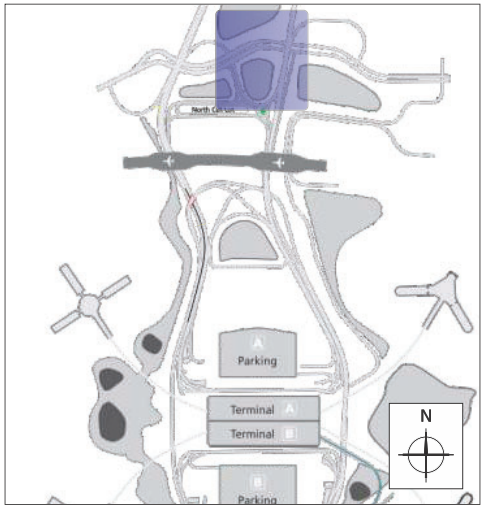
48 Existing Elevation View (OT.CR.5)
Not to Scale

48 Past Back Elevation View (CR.05)
Not to Scale

General Location Area



48 Concept Site View
Not to Scale



48 Location View
Not to Scale

Scope

Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

Orlando International Airport

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Overhead & Ground Mtd. Sign Updates

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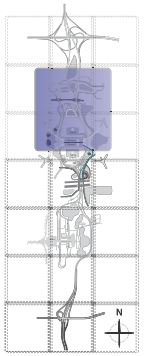


Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-CR-05

Drawing No.

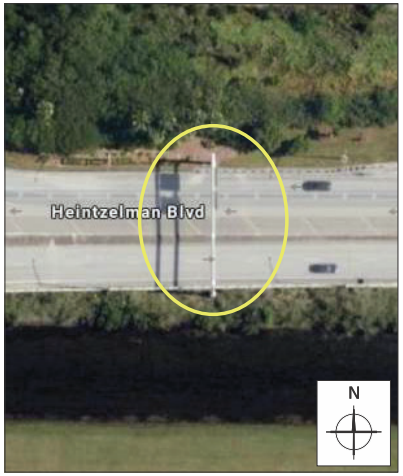
01.82

H-00416 - Overhead & Ground Mtd. Sign Updates D/B
Scope Definition Documents - part 2

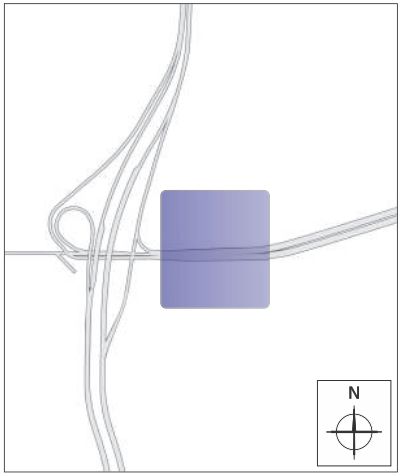
49 Existing Elevation View (OT.NC.10)
Not to Scale

49 Past Back Elevation View (OT.NC.10)
Not to Scale

General Location Area



49 Concept Site View
Not to Scale



49 Location View
Not to Scale

Scope

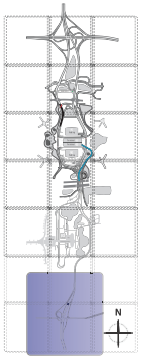
Clean and paint all exposed steel per details (reference sheet 01.43)
Remove soil and weeds as required to expose foundation
Remove and dispose of soils as required to leave area clean and tidy
*New sign by G-050 Contractor

Orlando International Airport

H-0416
Overhead & Ground Mtd. Sign Updates

ORLANDO INTERNATIONAL AIRPORT

Artistic Identity
Artistic Identity
100 E Pine St
Orlando, FL 32801
www.artidentity.us



Revisions

No.	Date	Description

Project No.:	H-0416
Designed By:	RJ
Drawn By:	RJ
Checked By:	BF & KC
Issue Date:	3.06.2026
Drawing Scale:	Varies

Drawing Title:

OT-NC-10

Drawing No.

01.83

Greater Orlando Aviation Authority

Published By: John Bayl
Reviewed By: Jeffrey Re

CCM HANDOUT 4/28/2026 Item III-F Full Item Replacement

CHANGE ORDER AGENDA FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	H-00417 - Mill and Resurface Secure Road at Centerfield ARFF (D/B)	DATE: 04/28/2026
CONTRACTOR:	The Middlesex Corporation	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Provide all labor, material, and equipment and establish unit cost items for pavement repair at the Secure Road at Centerfield ARFF. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $572,979.54

Item #2 – Allowance Reduction – Reduce the Allowance by ($572,979.54) from $1,200,000.00 to $627,020.46 to cover the cost of Item #1 above.

Deduct: ($572,979.54)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for Item #1

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 572,979.54		
GOAA/OAR Estimate	$ 603,108.00		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	82,488.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	0.00
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00

PREPARED BY: John Bayley PHONE: 4053

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed: 4/27/26	Initials of Reviewer: DM	Verification of Funding by Finance: Melvin Martinez

H-00417 Mill & Resurface Secure Road at Centerfield ARFF

Mill and resurface the portion of Secure Road in front of the Centerfield ARFF Station

OAR ESTIMATE PAY ITEMS AND UNIT COST

ITEM NO.	SPEC NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED TOTAL
1	D-101-1	Design	1	LS	$ 40,000.00	$ 40,000.00
2	C-100-13	Quality Control Testing	1	LS	$ 20,000.00	$ 20,000.00
3	C-101	Escorting Crew	20	ED	$ 2,500.00	$ 50,000.00
4	C-102	Survey	1	LS	$ 5,000.00	$ 5,000.00
5	C-106-4.1	Temp Fence on barrer wall	0	LF	$ 75.00	$ 0.00
6	C-106-4.2	Temp Fence without barrer	0	LF	$ 100.00	$ 0.00
7	C-106-4.3	Swing Gates	0	EA	$ 5,000.00	$ 0.00
8	M-102-2	SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) and Maintenance of Traffic	1	LS	$ 25,000.00	$ 25,000.00
9	P-101	3" Asphalt Milling	7265	SY	$ 12.00	$ 87,180.00
10	P-211	Isolated Repairs to Limerock Base	100	SY	$ 35.00	$ 3,500.00
11	P-151	Demolition of existing Utiltlies	0	LS	$ 250,000.00	$ 0.00
12	P-152	Embankment	100	CY	$ 12.00	$ 1,200.00
13	P-154	Stablized Subgrade	0	SY	$ 15.00	$ 0.00
14	P-403	Asphalt Mixture Surface Course	1250	TN	$ 230.00	$ 287,500.00
15	P-620-5.1	Markings- Yellow	3700	SF	$ 7.00	$ 25,900.00
16	T-905	Topsoil	0	SY	$ 2.25	$ 0.00
17	T-904	Sodding	500	SY	$ 6.00	$ 3,000.00
18	26 05 12	2" OUC Streetlight duct	0	LF	$ 25.00	$ 0.00
19	26 05 12	OUC Streetlight handhole	0	EA	$ 500.00	$ 0.00
20	26 05 12	OUC Streetlight directional bore	0	LF	$ 150.00	$ 0.00
21	26 05 12	OUC Streetlight conductor #4/4	0	LF	$ 12.00	$ 0.00
					SUBTOTAL	$ 548,280.00
		MOBILIZATION (10% OF CONSTRUCTION COSTS)	1	LS	10%	$ 54,828.00

TOTAL OAR OPINION OF PROBABLE CONSTRUCTION COSTS* ***$603,108.00***

Prepared by Ben Brown, P.E. Loyal Wingman, LLC

LOYAL WINGMAN

DRL FLA

FIDELIS · INTEGRITAS · PRUDENTIA

MMXXI

John Bayley
Project Manager
GOAA OAR

April 23rd, 2026

Re: H-417 Mill and Resurface Secure Road at Centerfield ARFF – RCO 001 REVISION #2

Dear Mr. Bayley,

Per your request, The Middlesex Corporation ("TMC") hereby provides its cost proposal of **$572,979.54** for milling and resurfacing the Secure Road at the Centerfield ARFF as depicted in an attached drawing. The qualifications and exclusions are listed below:

- An approx. 7846 SY area will be milled 3" and resurfaced with P403 Asphalt
- The expected construction duration is 7 calendar days for substantial; final (painted) pavement marking within 21 days after substantial
- The assumed access is shown in an attached drawing
- Excludes utility relocations, damage to unknown utilities, concrete work, building/canopy demolition, base/subgrade, permits except for GOAA Horizontal Permit, joint sealant, removal/disposal of contaminated materials, dewatering, and demo or installation of concrete

If you have any questions about the above proposal, please feel free to call me at 978-230-5000.

Sincerely,

THE MIDDLESEX CORPORATION

Jake Shumway

Project Manager

Cc. Peter Donkor – Senior Project Manager
Cary Strzepek – VP Construction
Neil Mulrooney – Sr. VP Construction

H-00417 SCHEDULE OF VALUES					
PAY ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	MOBILIZATION & GCS	LS	1	$56,836.95	$56,836.95
2	DESIGN	LS	1	$98,404.04	$98,404.04
3	MOT	LS	1	$59,864.53	$58,864.53
4	ASPHALT DEMO	SY	7846.0	$7.42	$58,217.32
5	ASPHALT PAVING	TON	1379	$217.30	$299,656.70
TOTAL					**$572,979.54**

CHANGE ORDER ESTIMATED COST SUMMARY

TMC Project #:	2129	*Estimator:*	Jake S
Contract #:	H-417	Estimate #:	1
Financial Project #:	N/A	Revision #:	1
Contract Description:	Mill and Resurface Secure Road at Centerfield ARFF	Date:	4/27/2026
Owner:	GOAA		

Brief Scope of Work: H-417 Mill and Resurface Secure Road at Centerfield ARFF

Does this Change affect the Contract Time? No **If so, number of days (+/-):** 0

WORK DESCRIPTION			LABOR	MATERIAL	EQUIP.	SUBS	OTHER	SUBTOTAL
Summary By Discipline from Details Page:			$ 44,255.55	$ 3,600.00	$ 16,519.10	$ 467,426.00	$ 880.00	**$ 532,680.65**
Markups:								
Direct Labor		10.0%	$ 4,425.56					**$ 4,425.56**
Materials		6.0%		$ 216.00			$ 52.80	**$ 268.80**
Equipment		10.0%			$ 1,651.91			**$ 1,651.91**
Subcontracts		6.0%				$ 28,045.56		**$ 28,045.56**
Sales Tax	$0	6.5%		$ 234.00				**$ 234.00**
SUBTOTALS:			**$ 48,681.11**	**$ 4,050.00**	**$ 18,171.01**	**$ 495,471.56**	**$ 932.80**	**$ 567,306.48**

UNIT PRICE ADJUSTMENTS	Quantity	Unit Measure	Unit Price	SUBTOTAL
Pay Item:				**$ -**
None				**$ -**
SUBTOTAL:				**$ -**

UNIT PRICE ADJUSTMENTS			SUBTOTALS
	Estimate Subtotal		**$ 567,306.48**
	Unit Price Subtotal		**$ -**
	Insurance & Bond	1.0%	**$ 5,673.06**
TOTAL PROPOSAL COST:			**$572,979.54**

THE MIDDLESEX CORPORATION

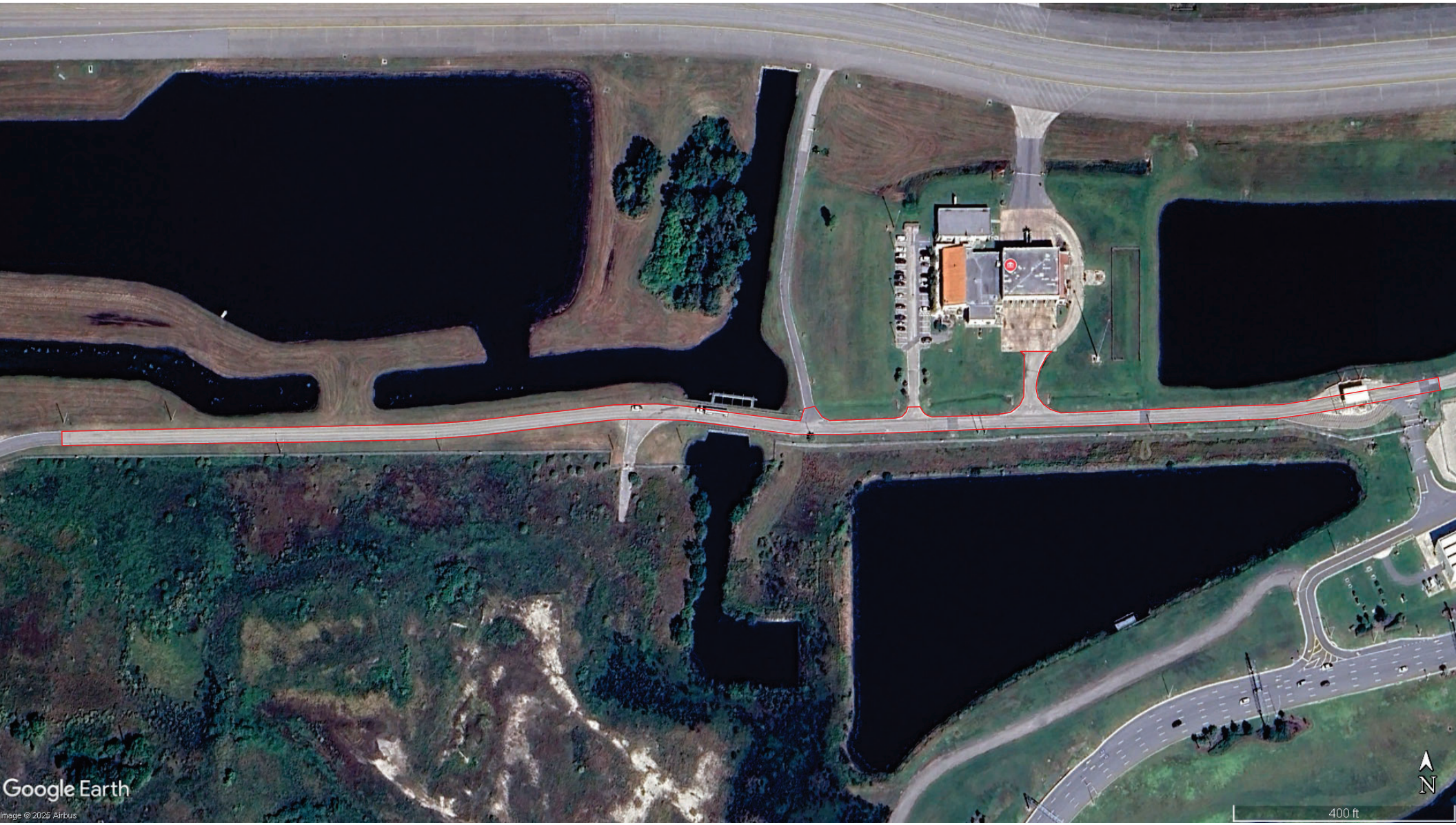
Jake Shumway
Project Manager

CHANGE ORDER ESTIMATE DETAILS

Description: H-417 Mill and Resurface Secure Road at Centerfield ARFF

TMC Project #: 2129
Date: 04/23/26
Estimator: Jake S
Estimate #: 1
Revision #: 1

Type	#	DESCRIPTION	QTY	UM	UNIT PRICE	LABOR	"L"	MATERIAL	"M"	EQUIP	"E"	SUB	"S"	OTHER	"O"	TOTAL
		Flaggers/Escorts and Asphalt														
L	1	Crew Leader	70.0	HR	$ 74.10	$ 5,187.00		$ -		$ -		$ -		$ -		**$ 5,187.00**
L	5	Laborer - Skilled	70.0	HR	$ 35.06	$ 12,271.00		$ -		$ -		$ -		$ -		**$ 12,271.00**
L	1	Truck Driver	70.0	HR	$ 42.30	$ 2,961.00		$ -		$ -		$ -		$ -		**$ 2,961.00**
E	3	Truck - 1/2 Ton	70.0	HR	$ 17.69	$ -		$ -		$ 3,714.90		$ -		$ -		**$ 3,714.90**
E	1	Truck - Water Tanker	70.0	HR	$ 56.58	$ -		$ -		$ 3,960.60		$ -		$ -		**$ 3,960.60**
E	1	Sweeper - Broom	70.0	HR	$ 88.43	$ -		$ -		$ 6,190.10		$ -		$ -		**$ 6,190.10**
M	1	Bob's Barricades - Rental Devices	1.0	LS	$ 3,600.00	$ -		$ 3,600.00		$ -		$ -		$ -		**$ 3,600.00**
S	5	Sunrise Hauling	20.0	HR	$ 85.00	$ -		$ -		$ -		$ 8,500.00		$ -		**$ 8,500.00**
S	1	Trumark - Pavement Marking	1.0	LS	$ 8,475.00	$ -		$ -		$ -		$ 8,475.00		$ -		**$ 8,475.00**
S	1	TMC Paving Milling & 3" P403	1.0	LS	$ 357,617.00	$ -		$ -		$ -		$ 357,617.00		$ -		**$ 357,617.00**
O	2	Anderson Rentals - Portojohns	1.0	LS	$ 315.00	$ -		$ -		$ -		$ -		$ 630.00		**$ 630.00**
O	1	Misc Materials	1.0	LS	$ 250.00	$ -		$ -		$ -		$ -		$ 250.00		**$ 250.00**
						$ -		$ -		$ -		$ -		$ -		**$ -**
		Flaggers/Escorts and Final Pavement Marking				$ -		$ -		$ -		$ -		$ -		**$ -**
L	1	Crew Leader	10.0	HR	$ 74.10	$ 741.00		$ -		$ -		$ -		$ -		**$ 741.00**
L	2	Laborer - Skilled	10.0	HR	$ 35.06	$ 701.20		$ -		$ -		$ -		$ -		**$ 701.20**
E	1	Truck - 1/2 Ton	10.0	HR	$ 17.69	$ -		$ -		$ 176.90		$ -		$ -		**$ 176.90**
						$ -		$ -		$ -		$ -		$ -		**$ -**
		Survey & Design				$ -		$ -		$ -		$ -		$ -		**$ -**
L	1	Survey - Crew	40.0	HR	$ 216.01	$ 8,640.40		$ -		$ -		$ -		$ -		**$ 8,640.40**
S	1	C&S - Design annd Construction Services	1.0	LS	$ 92,834.00	$ -		$ -		$ -		$ 92,834.00		$ -		**$ 92,834.00**
						$ -		$ -		$ -		$ -		$ -		**$ -**
		Site Management and GC				$ -		$ -		$ -		$ -		$ -		**$ -**
L	1	Project Manager	35.0	HR	$ 98.47	$ 3,446.45		$ -		$ -		$ -		$ -		**$ 3,446.45**
L	1	Superintendent	70.0	HR	$ 95.48	$ 6,683.60		$ -		$ -		$ -		$ -		**$ 6,683.60**
L	1	Site Safety Manager	35.0	HR	$ 103.54	$ 3,623.90		$ -		$ -		$ -		$ -		**$ 3,623.90**
E	1	Truck - 1/2 Ton	140.0	HR	$ 17.69	$ -		$ -		$ 2,476.60		$ -		$ -		**$ 2,476.60**
						$ 44,255.55		**$ 3,600.00**		**$ 16,519.10**		**$ 467,426.00**		**$ 880.00**		**$ 532,680.65**


Google Earth
Image © 2025 Airbus
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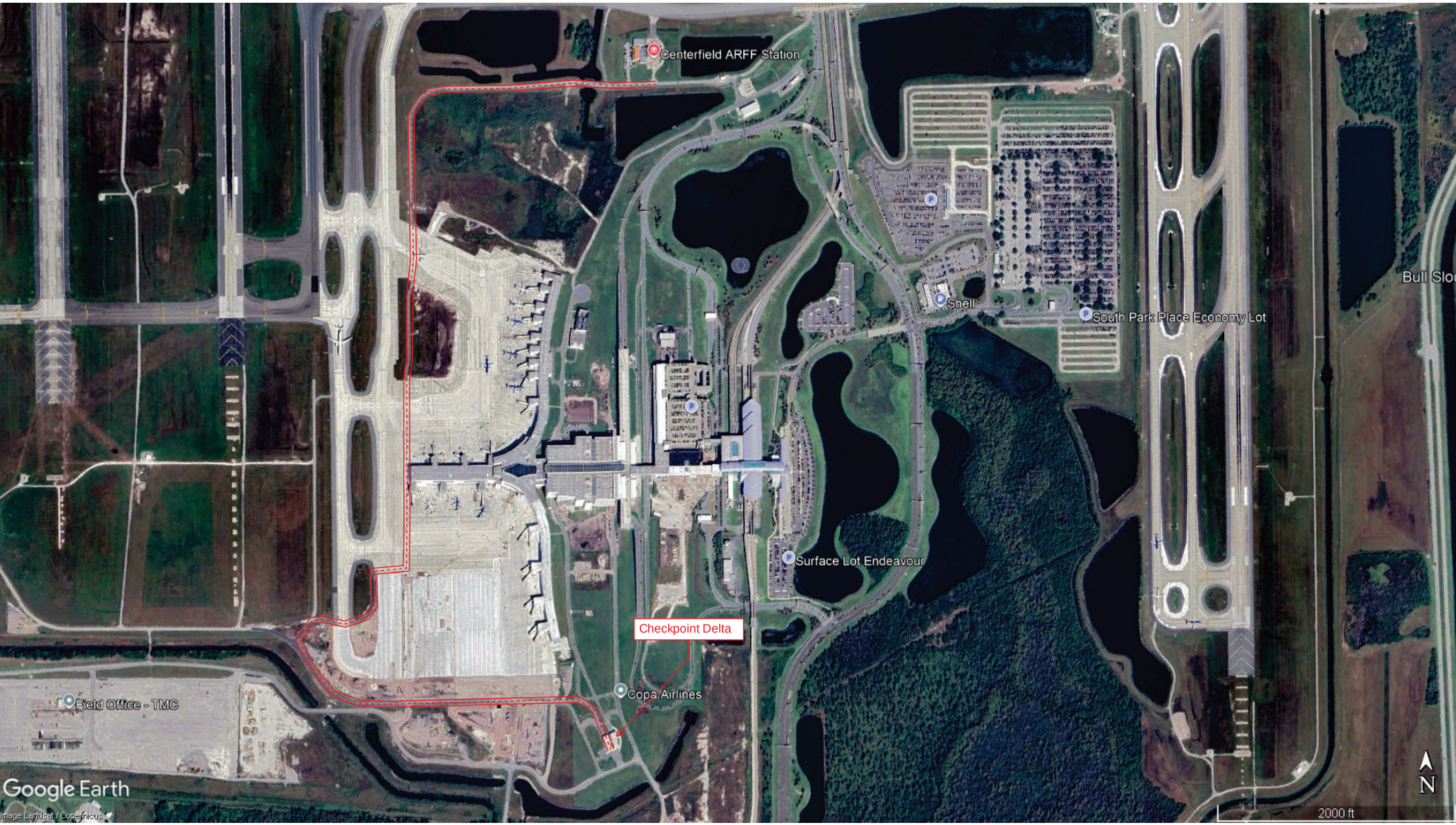
400 ft


Centerfield ARFF Station
Shell
South Park Place Economy Lot
Surface Lot Endeavour
Checkpoint Delta
Copa Airlines
Field Office - TMC
Google Earth
Image Landsat / Copernicus
2000 ft
N

SENT VIA EMAIL ONLY

March 3, 2026

The Middlesex Corporation
Peter Donkor | Senior Project Manager
10801 Cosmonaut Blvd.
Orlando, FL 32824

Re: Orlando International Airport
H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
Design and Construction Administration Phase Services

C&S File: L94.MKT.PRO

Dear Mr. Donker:

C&S Companies appreciates the opportunity to submit the attached proposal for the Design and Construction Administration Phase Services for the above referenced project. Our team is prepared to start on this fast-paced project when we win it. It is our understanding that we will not start prior to a contract and formal board approval.

The Basic Services described herein shall be completed and be submitted based on the schedule in Schedule A which is included in Attachment No. 01. If you should request any modifications or changes to the general scope or extent of the Project, the time allowed for performance of our services will be adjusted equitably.

In exchange for performance of our design and construction phase services, you agree to pay us for Basic Services a Lump Sum fee for these services per the following tasks:

Design Services	$	66,294.00
Construction Services	$	26,540.00
Total:	$	92,834.00

Our team is prepared to meet this accelerated schedule and bring another successful project to GOAA from both C&S and Middlesex.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

C&S ENGINEERS, INC.

Douglas R. Saunders, P.E., dsaunders@cscos.com
Department Manager

encl:

cc: Jake Shumway, Cary Strzepek

ATTACHMENT NO. 01 - Schedule A – Scope of Work

SCOPE OF WORK
H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
March 3, 2026

Airport Name: **Orlando International Airport**
Services Provided: **Design and Construction Administration**

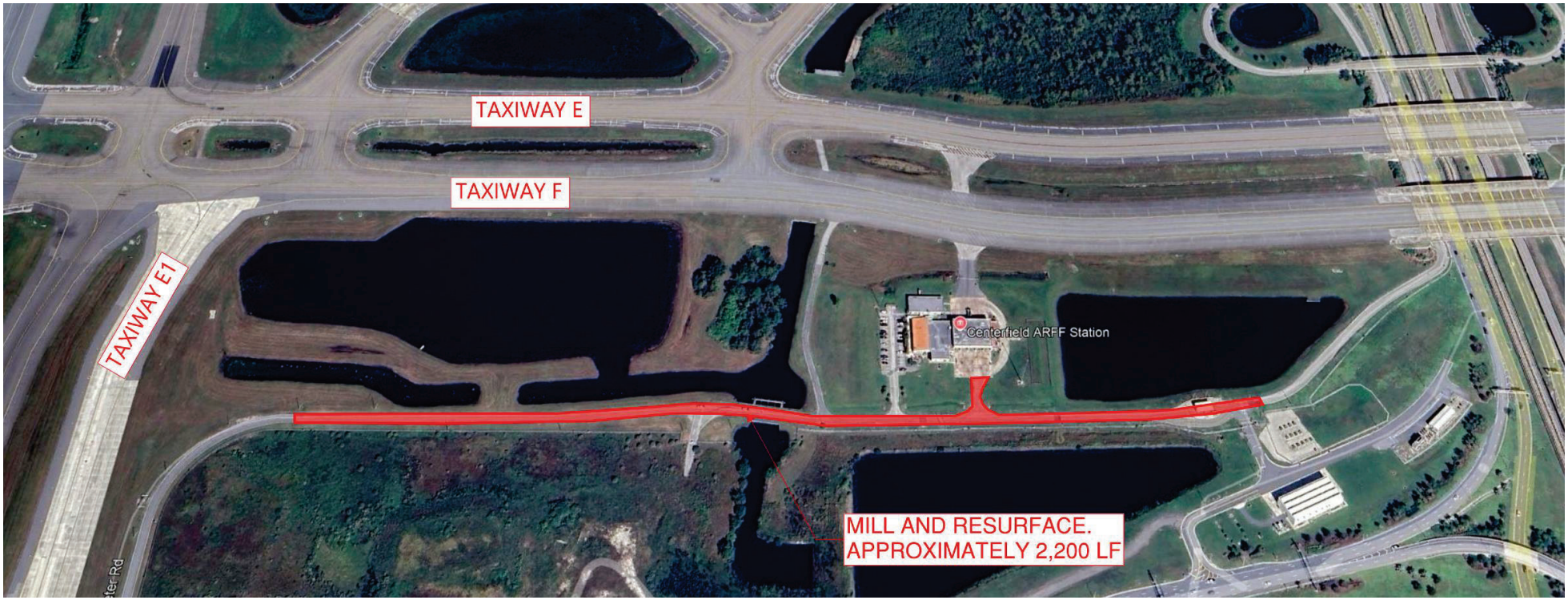
Project Description:
The CONSULTANT shall provide required services to design the H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B) at MCO project (the "Project").

The project entails the following:

- Mill and resurface a portion of South Perimeter Road.
- Maintenance of Traffic
- Restriping as needed
- Assumptions used in preparation of this proposal are included on the last page.

Services to be provided by the CONSULTANT shall include civil engineering services, as applicable, required to accomplish the following items ("Basic Services"):

The design schedule is shown on the following pages but will be adjusted to follow Middlesex and GOAA standards requirements.

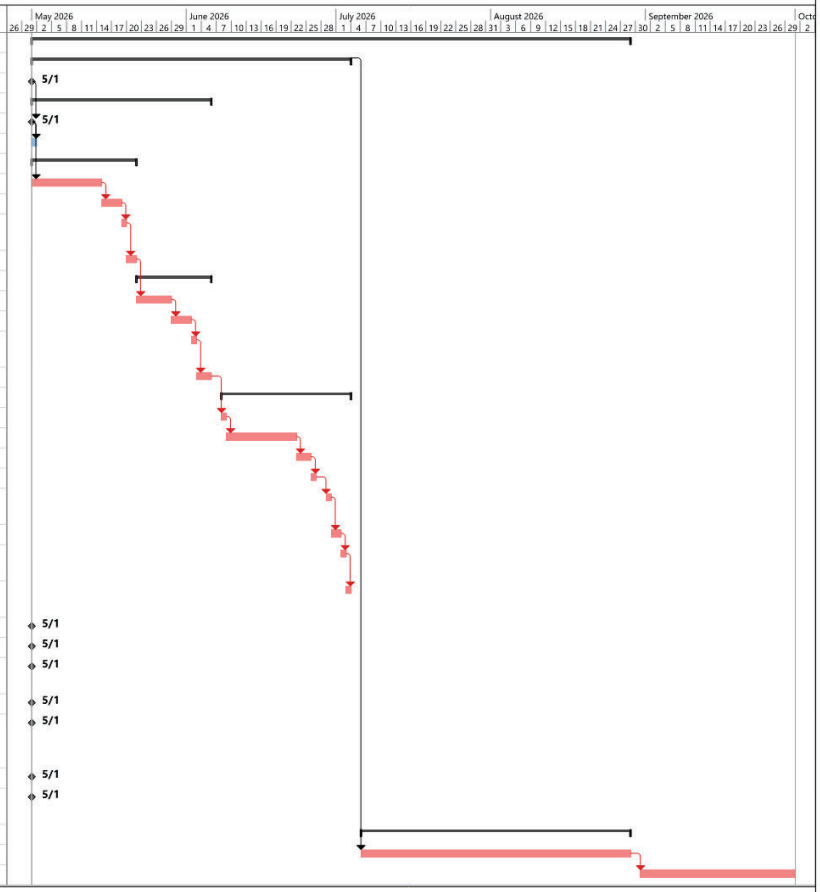


Scope of Work Plan

SCOPE OF WORK
H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
March 3, 2026

H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
Design Schedule

ID	Task Mode	Task Name	Working Days	Calendar Days	Start	Finish	Predecessors
1		**Contract Duration**	**86 days**	**120 days**	**Fri 5/1/26**	**Fri 8/28/26**	
2		**Design Schedule**	**46 days**	**64 days**	**Fri 5/1/26**	**Fri 7/3/26**	
3		Notice to Proceed	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
4		**Design Development Phase**	**26 days**	**36 days**	**Fri 5/1/26**	**Fri 6/5/26**	
5		**Start of Design**	0 days	0 days	Fri 5/1/26	Fri 5/1/26	3
6		GOAA Kickoff Meeting	1 day	1 day	Fri 5/1/26	Fri 5/1/26	5
7		**Early Package**	**15 days**	**21 days**	**Fri 5/1/26**	**Thu 5/21/26**	
8		Design	10 days	14 days	Fri 5/1/26	Thu 5/14/26	5
9		QC	2 days	4 days	Fri 5/15/26	Mon 5/18/26	8
10		Submit to Middlesex for Review	1 day	1 day	Tue 5/19/26	Tue 5/19/26	9
11		Discuss with Middlesex	2 days	2 days	Wed 5/20/26	Thu 5/21/26	10
12		**Final Documents**	**11 days**	**15 days**	**Fri 5/22/26**	**Fri 6/5/26**	
13		Design	5 days	7 days	Fri 5/22/26	Thu 5/28/26	11
14		QC	2 days	4 days	Fri 5/29/26	Mon 6/1/26	13
15		Submit to Middlesex for Review	1 day	1 day	Tue 6/2/26	Tue 6/2/26	14
16		Discuss with Middlesex	3 days	3 days	Wed 6/3/26	Fri 6/5/26	15
17		**GOAA Horizontal Permit**	**20 days**	**26 days**	**Mon 6/8/26**	**Fri 7/3/26**	
18		Submit to GOAA	1 day	1 day	Mon 6/8/26	Mon 6/8/26	16
19		Receive comments	10 days	14 days	Tue 6/9/26	Mon 6/22/26	18
20		Resolve comments	3 days	3 days	Tue 6/23/26	Thu 6/25/26	19
21		QC	1 day	1 day	Fri 6/26/26	Fri 6/26/26	20
22		Submit to Middlesex for Review	1 day	1 day	Mon 6/29/26	Mon 6/29/26	21
23		Discuss with Middlesex	2 days	2 days	Tue 6/30/26	Wed 7/1/26	22
24		Submit Construction Documents	1 day	1 day	Thu 7/2/26	Thu 7/2/26	23
25		Receive GOAA Horizontal Permit	1 day	1 day	Fri 7/3/26	Fri 7/3/26	24
26		**Other Permits - NOT APPLICABLE**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
27		**OUC Light Coordination**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
28		Not Applicable. Assuming no Light pole relocations	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
29		**City of Orlando Permit**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
30		Not Applicable. Assumming no City of Orlando Permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
31		**SFWMD**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
32		Not Applicable. Assuming no SFWMD permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
33		**Construction**	**40 days**	**54 days**	**Mon 7/6/26**	**Fri 8/28/26**	
34		Substantial Completion	40 days	54 days	Mon 7/6/26	Fri 8/28/26	2
35		Final Completion	23 days	31 days	Mon 8/31/26	Wed 9/30/26	34



Project: Design Schedule
Date: Mon 3/2/26

Task, Split, Milestone, Summary, Project Summary, Inactive Task, Inactive Milestone, Inactive Summary, Manual Task, Duration-only, Manual Summary Rollup, Manual Summary, Start-only, Finish-only, External Tasks, External Milestone, Deadline, Critical, Critical Split, Progress, Manual Progress

Page 1

DESIGN DEVELOPMENT PHASE (80%)

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Schedule and conduct a pre-design meeting with GOAA to review the scope of services and become familiar with the Project requirements and operational concerns during the Project's construction.
6. An existing basemap will be developed in CAD from all as-built information including high resolution aerial photographs.
7. Conduct site inspections to verify project-related existing physical features and facilities.
8. Develop horizontal pavement geometrical layouts and place sufficient information on drawings to layout proposed roadway.
9. Develop mill and resurface pavement design.
10. Develop a maintenance of protection plan that limits interference with the travelling public.
11. Develop preliminary roadway marking plans.
12. Prepare preliminary Contract Drawings (approximately 80% complete) providing sufficient detail for review of design concepts by GOAA. Drawings on 30" x 42" Paper. It is anticipated that the drawings will consist of the following sheets:

Approx. Number of Sheets	Name
1	Cover Sheet
1	Sheet Index and General Notes
1	Legend and Abbreviations
1	Overall Site Plan and Key map
2	Demolition Plan
1	Demolition Details
2	Paving Plan
1	Typical Sections
2	Marking Plans
2	Marking Details

2	Maintenance of Protection Plans
1	Airspace Critical Locations Plan
1	Maintenance of Protection Details
18	**Total Sheets**

13. Develop Division 1 documents.
14. Develop technical specifications expected to be required for the proposed work using FDOT, Masterspecs and other sources.
15. Perform an internal quality control review on all design documents.
16. Submit sufficient copies of design development documents to GOAA for their review and comment.
17. Schedule and conduct a design development review meeting to discuss and resolve GOAA comments.
18. Provide written responses to all comments received.

CONSTRUCTION DOCUMENTS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Detail and finalize pavement details, rehabilitation details and pavement sections.
6. Finalize marking plans.
7. Finalize maintenance of protection plan that limits interference with the travelling public. in Specifications and on the Contract Drawings.
8. Prepare final Contract Drawings on 30" x 42" paper.
9. Finalize Division 1 documents.
10. Finalize written Technical Specifications for all construction materials and installations.
11. Provide documents for GOAA to submit both the construction safety phasing plan and 7460 form electronically to the FAA.
12. Perform final internal quality control review on all design documents.

13. Submit draft final documents to GOAA, FAA and FDOT for final review and comment.
14. Schedule and conduct draft final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
15. Provide written responses to all comments received.
16. Incorporate all draft final review comments into the 100% plans.
17. Schedule and conduct final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
18. Deliver 100% plans to GOAA Engineering department to obtain their approval and stamp.
19. Obtain comments from GOAA Horizontal permit review.
20. Address comments received from GOAA Horizontal permit review.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Design Development Phase (80%)
    i. Pre-design meeting with GOAA / Middlesex
    ii. Weekly coordination meetings with Middlesex
    iii. Technical Review Team (GOAA) (TRT) review meeting
2. Construction Documents
    i. Weekly coordination meetings with Middlesex
    ii. General meeting to discuss phasing and other project elements with GOAA, tenants, and other stakeholders.
    iii. TRT review meeting – draft final
    iv. TRT review meeting - final

CONSTRUCTION ADMINISTRATION AND RECORD DRAWINGS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Provide Middlesex monthly project status reports.
3. Attend the Pre-Construction Conference meeting conducted by the Owner prior to the start of construction activities.
4. Attend the Owner's Job Coordination Meeting (JCM) meetings during the term of the construction contract. These meetings are planned to be held every week. It is assumed that there will be ten (10) JCM Meetings.

5. Make visits to the site at intervals appropriate to the various stages of construction to observe.
    a. It is assumed that site visits shall occur on the same day as the JCM meetings listed above.
6. Review and take other appropriate action in respect of Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept for the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.
7. Review requests for information and field changes.
8. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, but subject to the provisions of the Contract Documents.
9. Conduct a final inspection to determine if the completed Work of the Contractor is acceptable.
10. Prepare the Record Documents based upon the As-Built Drawings and Documents received from the contractor.
11. Review all Close-out Documents and Manuals for conformance with the Contract Documents.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Pre-Construction Conference Meeting – 1 meeting
2. JCM Meeting – 10 meetings
3. Site Visits – Concurrent with the JCM Meetings above.
4. Pre-Final Inspection – 1 meeting
5. Final Inspection – 1 meeting

ASSUMPTIONS:

The conditions or considerations in developing the scope and fee for the project described above include:

1. No survey is included in this proposal.
2. No geotechnical investigation is included in this proposal.

3. No right-of-way or other deed research is included in this proposal.
4. The placement of boundary monumentation is not required.
5. GOAA will supply any deeds, maps, recorded and unrecorded information and an up-to-date abstract of title that will assist in the progress of this project.
6. Soil sampling for contaminants will not be required for this project.
7. It is assumed that existing documentation for the area of work exists and will be provided to C&S upon award of the project.
8. The existing pavement does not require any grade corrections or drainage improvements, therefore grading and drainage plans are not required. Any work on the project will match existing grades and existing drainage structures will be maintained.
9. Permitting through the City of Orlando and South Florida Water Management District will not be required.

EXCLUSIONS / ADDITIONAL SERVICES

1. Environmental review, NEPA and state, including the collection and review of available documents such as published wetland maps, soil conservation survey maps, and previous master plan and environmental archaeological studies, to identify potential impacts the Project may have on the environment.
2. NEPA or any other environmental compliance reports, studies, and environmental reviews, state or federal.
3. Underground utility locating (soft digs, potholing, etc.)
4. Underground utility inspections using a video camera.
5. Drainage studies, including hydrology or hydraulics unless otherwise identified above in scope of work.
6. All design changes and value engineering efforts after the Design Development Phase is excluded from this scope.

SUNRISE HAULING & EXCAVATING INC.

PROPOSAL / CONTRACT

345 Enterprise Street
Ocoee, FL 34761
Phone:(407) 775-1401
Fax: (407) 395-2331

~~Date: April 30, 2024~~
Estimate Number: 41420232
Customer Name: Middlesex Corporation
ADDRESS: 10801 Cosmonaut Blvd
CITY/STATE/ZIP: Orlando, Fl 32824 Florida
PHONE: 407-757-1579
E-MAIL: rflrml@middlesexco.com

REV 2
RF 4-30-24

SUNRISE HAULING & EXCAVATING INC.

PREPARED BY:
Alberto Puentes
Regional Sales Manager
sunrisehaulingestimating@gmail.com
Mobile (407)714-0970

JP 4/30

PROJECT
~~GOAA BP 498 Project~~

LOCATION
Orlando Airport
Orlando Fl.

PAYMENT TERMS
Net 30

MINORITY CERTIFY M.B.E./LDB, ORLANDO AVIATION, ORANGE COUNTY, ~~MWBE~~ CITY OF ORLANDO, DBE/F-DOT

QTY	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY	TOTAL DELIVERED PRICE
Cy	Select Fill Material Delivered	BB Marsh Rd, Clermont	OIA Taxiway A,B and E4 Rehab	9.50 Cy	15.75 Cy
Tn	Limerock Material Delivered	Cemex Center Hill	OIA Taxiway A,B and E4 Rehab	M 13.75 Tn H	26.70 Tn
Tn	DOT #57 Stone Material Delivered	Cemex Cocoa Yard	OIA Taxiway A,B and E4 Rehab	15.75 Tn	62.95 Tn
Hr	Hourly On Site Hauling	OIA Taxiway A,B and E4 Rehab	OIA Taxiway A,B and E4 Rehab		70.00 Hr
Hr	Hourly Demo Hauling	OIA Taxiway A,B and E4 Rehab	Crusher		85.00 Hr
	Fuel Escalation charge of 3% for every 7cents increase from start through duration of Job. Verified by eia.gov lower atlantic fuel website				

MATERIAL BASED ON AVAILABILTY - Rates based on 10 hour dump days

NOTE: ALL Rates based on service upon truck availabilty and/or loading condions at the quarry. Upon acceptance of proposal and before placement of order(s). Please sign and return to our office along with NTO or bond informationvia email. **Plese note that before ordering service for any project you must submit a Notice of Commencement stating all the legal description for that particular project.** Fuel Escalation above, Verified by eia.gov lower atlantic fuel website Please remember that acceptance of proposal **does not** represent an order. To place an order you must contat our office or dispatcher with at leaset one day notice. Prices are subject to change if rate(s) increase from the quarry and or change at the dump site(s). Hauling rates are subject to change depending on current fuel prices. Validation of quoted pricing is subject to proposal being accepted and returned with signature within 30 days of sending date.

SPECIAL PROVISIONS: Prices Quoted are US Tons (Not Metric) Prices Quoted Do Not Allow Retainage

PAYMENT TO BE MADE AS FOLLOWS: NET 30

All work is done with the understanding that the customer is fully responsible to verify that all labor, materials, quantities, equipment, time and all other work furnished meets the requirements of the job stated above. Upon customer satifaction, customer and/or authorized persons will acknowledge by signing the delivery tickets for all work/materials furnished. after the signing of the delivery tickets, customer is fully liable for all work state thereon. There will be no credits issured and no dicrepancies after signing of said tickets. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. This proposal is acceptable within 30 days and is void thereafterat the option of the undersigned. In the event it becomes necessary for Sunrise Hauling & Excavating Inc. to engage the service of an attorney to collect any sums due under this contract, the customer will pay reasonable attorney's fees and all costs in making such collection.

Sign Below to Accept Proposal:

Outlook

RE: Quote for Portojohns

From Anderson Sales <sales@anderson-rentals.com>
Date Mon 2024-09-09 3:02 PM
To Jake Shumway PMP <jshumway@middlesexco.com>; Anderson Sales <sales@anderson-rentals.com>

CAUTION: This is an external email sent from outside Middlesex.
DO NOT click on links or download attachments unless you recognize the sender, were expecting it, and know the content is safe.

Towable Portable Restroom:
$100.00 each + sales tax, one time delivery charge (includes pickup)
$165.00 each + sales tax for portable restroom with 1 x week service
$215.00 each + sales tax for portable restroom with 2 x week service

Megan Burnell
1-800-553-2213

From: Jake Shumway PMP <jshumway@middlesexco.com>
Sent: Monday, September 9, 2024 2:54 PM
To: Anderson Sales <sales@anderson-rentals.com>
Subject: Quote for Portojohns

Ashley,

Could you please quote us a two portojohn on a trailer that we can bring out to the Orlando International airfield? We need it for two weeks in December and then two weeks in January with two cleanings per week. We could bring them out by our trailer at 11400 Terminal C Service Road Orlando FL 32827, so that they could be cleaned.

Thank you,

Jake Shumway

Jake Shumway PMP | Project Manager
10801 Cosmonaut Blvd. Orlando, FL 32824
p: 978-230-5000

Bob's BARRICADES, INC.

921 SHOTGUN ROAD
SUNRISE, FLORIDA 33326

~~2.26.26~~ ~~GOAA-BP-498 Taxiways G&H Rehabilitation Phase 2~~ 10 days GOAA

DOT #	DESCRIPTION	U/M	Est Qty	Price	Ext Prices
	Delivery / Pick up	ea	2	$375.00	$750.00
	Low Profile Barricades (water fillable)	ed	1000	$2.25	$2,250.00
	Red lens light (battery powered)	ed	2000	$0.30	$600.00
					$3,600.00

Maximum amount of low profile airport barricades is 100.
Water, sandbagging and or setup not included in the above prices.

Quote is firm for (20) days. Quoted prices are firm for the life of the job upon acceptance.

Airport lights are battery powered.

By agreeing to this quote, it becomes a part of any resulting contract.

This quotation in no way authorizes the use of any Bob's Barricades personnel
and/or their certification as worksite traffic safety supervisor.

30 minimum business day notice is required prior to delivery of airport barricades.

All applicable sales tax will be added where required.

quoted by John Baldwin jbaldwin@bobsbarricades.com;
800-432-5031; fax 954-473-8737

TRU-MARK INC.
31719 Long Acres Drive
Sorrento, Fl. 32776

Proposal

Date	Estimate #
4/21/2026	39913

Middlesex
10801 Cosmonaut Blvd.
Orlando, FL 32824

Project
H-417 Airport

Terms	P.O. No.
Net 30	

Item	Description	Qty	Rate	Total
0710-11-101	Painted Pavement Markings, Standard White Solid 6" LF	6,000	0.65	3,900.00
0710-11-201	Painted Pavement Markings, Standard Yellow, Solid, 6" LF	6,000	0.65	3,900.00
0706-3	Retro Reflective Pavement Markers EA	150	4.50	675.00
	Price covers up to 3 shifts. Any additional will be $2,850.00			

Total $8,475.00

Phone #	Fax #	E-mail
352-735-8394	352-735-8440	trumarknorman@aol.com

Please advise as soon as possible of intent to award in order to facilitate scheduling concerns. Prices are good for 90 days after the bid date.

PROPOSAL

Middlesex Paving, LLC

10801 Cosmonaut Blvd.

Orlando, FL

Phone: **(407) 206-0077**

Submitted To: TMC FL (Construction)
10801 Cosmonaut Blvd.
Orlando, FL 32824

Job Name: GOAA, H-417 & H-419
Proposal No.: PV1133

Middlesex Contact: Victor Thillett

Attention:

Includes up to 2 Paving Mobilization(s).
Based on Completion by Sept, 2026.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Paving schedule is subject to availability and allocation of incoming aggregate deliveries for asphalt production schedule.				
	H417				
H417	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H417	3" MILLING 7846	~~7,683.00~~	SY	7.00	~~53,781.00~~ 54922
H417	3" P-403 ASPHALT 1379	~~1,350.00~~	TN	205.00	~~276,750.00~~ 282695
	Total for H417				~~**350,531.00**~~ 357617
	H419				
H419	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H419	4" MILLING	6,974.00	SY	5.00	34,870.00
H419	4" P-401 ASPHALT (PG 82-22)	1,600.00	TN	225.00	360,000.00
	Total for H419				**414,870.00**
GRAND TOTAL					**$765,401.00**

NOTES:

ACCEPTANCE OF PROPOSAL:
This proposal and pricing is accepted by the following signature with agreement to all notes and clarifications as stated herein.

Company Name: _____

Accepted By: _____ Date of Acceptance: _____
Authorized Representative's Signature

Printed Name: _____

MOBILIZATIONS
* If additional paving mobilizations are required exceeding those noted above then an added charge of $4,500 will be required

for each extra Mobilization.
* The Milling item(s) of work is based on all being performed at the same time in a single mobilization. If additional milling mobilizations are required then an additional $5,500 will be charged for each extra.

GENERAL NOTES
* THIS IS A UNIT PRICE PROPOSAL
* If work is not completed prior to completion date of contract, Middlesex will review any cost impacts and has the right to revise the unit costs for remaining work.
* This Proposal is based on quantities supplied by the contractor and unit costs will apply to any overrun.
* Thicknesses quoted are "Nominal" thicknesses per FDOT specifications.
* Price is based on yield of 110 lbs/sy (per inch thickness). If this maximum is exceeded due to base or jobsite conditions, then any additional asphalt used will be charged as an overrun/extra work.
* This Proposal does not include Payment and Performance Bond; if required add 1.5% to the contract price. Min. Cost is $500.
* Work is to be done during normal business hours Mon.-Fri. (7AM-6PM) or Sun. night thru Thurs. night (per lane closure restrictions).
* This proposal is based on all work being performed with a single paving crew, if additional crews are required to accommodate the Contractor's schedule then this will need to be agreed prior and any additional costs agreed.
* Prior to placement of any friction course traffic shall be in final configuration.
* This proposal does not include any Engineering evaluation of bridges within or adjacent to the project work area with consideration to "walking" the milling and paving equipment across. If such Engineering evaluation is required for access across any bridges then that responsibility will be borne by the General Contractor.
* Please note that Middlesex typically shuts down the asphalt plant and paving operations for the week of Christmas/New Year's and for the week of July 4th. This consideration shall be included in the project schedule.
* Middlesex must have at least 3 weeks advance notice in order to better assure timely scheduling of the work required for each mobilization/phase of paving.
* Once scheduled for work, any cancellation must be made prior to 48 hrs before scheduled mobilization; otherwise, a mobilization may be charged against the project and any subsequent re-scheduling will be subject to consideration of the above noted 3 weeks advance notice requirement.
* If this project includes the placaement of FC-5 Friction then be aware that Middlesex Paving follows the FDOT Specification for 65 degree temperature threshold and we must have a forecast with consistent temperatures meeting this threshold for the entire work allowance...no partial shifts. Typically, night-time placement of FC-5 Friction is not available (due to temperatures) from mid-November through March.
* The Contract item(s) for milling includes the trucking, cleanup and disposal of milled material. All milled asphalt becomes property of Middlesex. Milling shall be accessible by main line milling machine and Middlesex will not be responsible for areas that can't be accessed. Day-rate Milling is for milling machine only (no trucking, no clean-up).
* Miscellaneous asphalt is for placement of asphalt only. Grading and compacting the subgrade and application of an appropriate herbicide (per FDOT specifications) is the responsibility of the GC. The Misc. Asphalt item is based on the guardrail being installed after the placement of the asphalt and this does not include any patching by Middlesex.
* Location, adjustment, protection and relocation of utilities is not the responsibility of Middlesex.
* Price based on placing asphalt on a firm and unyeilding base/subgrade (prepared by others) meeting plan template and capable of supporting conventional asphalt paving equipment and tri-axle dump trucks.
* Middlesex will not be responsible for tack on adjacent roadways due to normal paving operations.
* Contractor to provide sufficient number of staging areas for Middlesex to park equipment close to each day's paving location and to allow for truck clean-out prior to leaving the project site.
* When accessing the paving areas, Middlesex will not be responsible for any miscellaneous concrete damaged by paving equipment or trucks. This includes curb and gutter, concrete pavement or brick pavers that are existing or constructed prior to paving operations.
* The GC is to provide a clean water source within reasonable access of the project for Middlesex's use to maintain operation of the rollers, broom, milling machine, and any other equipment, as needed.
* Due to existing conditions, Middlesex can not be responsible for 100% drainage of surface water following resurfacing.
* Middlesex will not be responsible for any puddling on areas where the grades are a 1.5% or less slope on plans or in the field conditions. Middlesex will not be responsible to notify customers of any conditions that exist that may present this problem.
* All of the above prices are based on the use of RAP (Recycled Asphalt) in the production of the hot-mix asphalt, per current FDOT Standards. Friction Courses are quoted per the current FDOT specifications, which allows the use of RAP in production.
* All of the above prices are based on the use of standard AC (liquid asphalt) binder in the production of the hot-mix asphalt, per FDOT Standards.
* Prices quoted are based on current prices on liquid asphalt, aggregates, and diesel fuel. Such prices are not guaranteed by the suppliers and are subject to sudden adjustment during the term of the contract. If the costs of these materials increases,

Middlesex has the right to adjust the unit costs accordingly.
* This proposal is furnished as a complete scope of work as defined above and shall be contracted to Middlesex in its entirety. Individual line items cannot be removed unless specific changes are approved by Middlesex.
* This Estimate/Proposal is contingent upon acceptance or issuance of an agreeable Subcontract which shall include the provisions of this Estimate/Proposal. This Estimate/Proposal will supercede any other provisions of the Subcontract. Prior to any work being performed by Middlesex on the project this Estimate/Proposal must be accepted or a Subcontract must be executed.
* Payment Terms shall be the 30 days from date of Middlesex invoice, unless agreed to otherwise.
* If a Subcontract or other agreement is not executed within 30 days then this proposal is subject to be reviewed for adjustment.
* All prep for paving by others, other than stated herein. All access, traffic, and safety control by others. This includes lane closure provided on highways to allow trucks to enter/exit the work zone, even if the work zone is out of and away from active traffic; if the trucks are entering/exiting directly to or from active traffic then a lane closure is to be provided.
* This proposal includes standard testing performed by Middlesex's certified Quality Control lab and technicians.
* Middlesex does not include any provision for asphalt (installation or removal) that may be required to maintain traffic (i.e. temporary wedges). If this is required, such work will be considered extra and will need to be priced separately.
* Prices do not include engineering or layout.
* All staking, layout and establishment of grades to be done by others and clearly indicated before paving (every 100' in tangents and 25'in radius). We will accept no responsibilty for improper engineering and/or areas where no grades were indicated before commencement of work.
* Sawcutting of existing pavement is not included and is the responsibility of the site contractor.
* Middlesex is not responsible for the clean up and/or disposal of sweepings generated from sweeping the base, prime and sand, or intermediate asphalt lifts. Such sweepings will be broomed out of the way of paving and cleaned up by others.
* This proposal specifically excludes RailRoad Insurance and any special requirements for working in or around RR right-of-way.

BULLETIN

PROJECT NO. & NAME:	H-00417 - Mill and Resurface Secure Road at Centerfield ARFF (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	The Middlesex Corporation	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	Loyal Wingman	
REQUESTED BY:	GOAA	
PREPARED BY:	John Bayley, GOAA PM	
ISSUED BY:	John Bayley, GOAA PM	

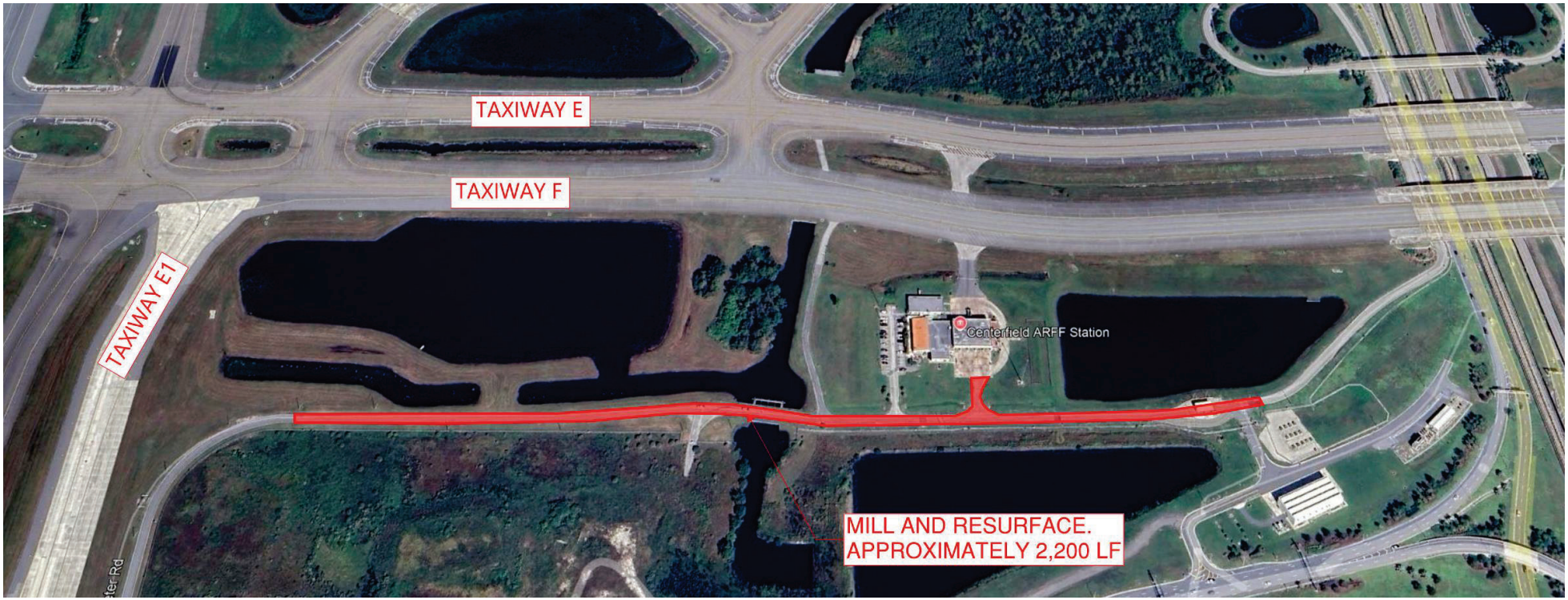
Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The Scope of work is to mill and resurface approximately 7846 square yards to 3 inches and resurface with P403 for the Secure Road at Centerfield ARFF. The Contractor RCO is to establish unit price items for the associated work. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

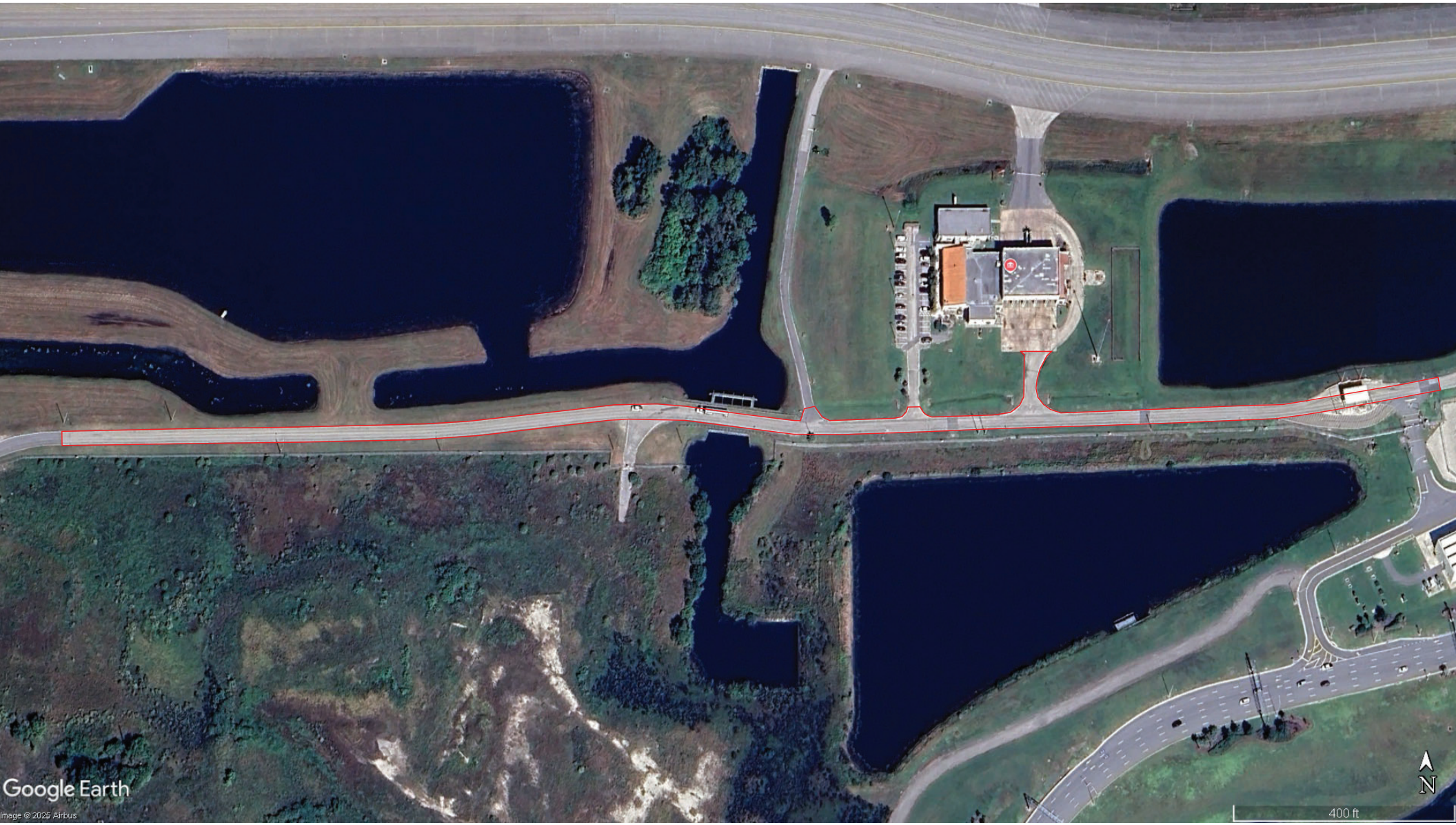
☒ ATTACHMENTS INCLUDED:

Other:

Location Map of the Area with Limits Demarked.



Scope of Work Plan


Google Earth
Image © 2025 Airbus
N
400 ft

Centerfield ARFF Station
Shell
South Park Place Economy Lot
Surface Lot Endeavour
Checkpoint Delta
Copa Airlines
Field Office - TMC
Google Earth
Image Landsat / Copernicus
N
2000 ft

Greater Orlando Aviation Authority

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	H-00417 - Mill and Resurface Secure Road at Centerfield ARFF (D/B)	DATE: 04/28/2026
CONTRACTOR:	The Middlesex Corporation	
A/E: N/A		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Provide all labor, material, and equipment and establish unit cost items for pavement repair at the Secure Road at Centerfield ARFF. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $572,979.54

Item #2 – Allowance Reduction – Reduce the Allowance by ($572,979.54) from $1,200,000.00 to $627,020.46 to cover the cost of Item #1 above.

Deduct: ($572,979.54)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for Item #1

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 572,979.54		
GOAA/OAR Estimate	$ 603,108.00		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	82,488.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	0.00
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	

PREPARED BY: John Bayley PHONE: 4053

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

H-00417 Mill & Resurface Secure Road at Centerfield ARFF

Mill and resurface the portion of Secure Road in front of the Centerfield ARFF Station

OAR ESTIMATE PAY ITEMS AND UNIT COST

ITEM NO.	SPEC NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED TOTAL
1	D-101-1	Design	1	LS	$ 40,000.00	$ 40,000.00
2	C-100-13	Quality Control Testing	1	LS	$ 20,000.00	$ 20,000.00
3	C-101	Escorting Crew	20	ED	$ 2,500.00	$ 50,000.00
4	C-102	Survey	1	LS	$ 5,000.00	$ 5,000.00
5	C-106-4.1	Temp Fence on barrer wall	0	LF	$ 75.00	$ 0.00
6	C-106-4.2	Temp Fence without barrer	0	LF	$ 100.00	$ 0.00
7	C-106-4.3	Swing Gates	0	EA	$ 5,000.00	$ 0.00
8	M-102-2	SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) and Maintenance of Traffic	1	LS	$ 25,000.00	$ 25,000.00
9	P-101	3" Asphalt Milling	7265	SY	$ 12.00	$ 87,180.00
10	P-211	Isolated Repairs to Limerock Base	100	SY	$ 35.00	$ 3,500.00
11	P-151	Demolition of existing Utiltlies	0	LS	$ 250,000.00	$ 0.00
12	P-152	Embankment	100	CY	$ 12.00	$ 1,200.00
13	P-154	Stablized Subgrade	0	SY	$ 15.00	$ 0.00
14	P-403	Asphalt Mixture Surface Course	1250	TN	$ 230.00	$ 287,500.00
15	P-620-5.1	Markings- Yellow	3700	SF	$ 7.00	$ 25,900.00
16	T-905	Topsoil	0	SY	$ 2.25	$ 0.00
17	T-904	Sodding	500	SY	$ 6.00	$ 3,000.00
18	26 05 12	2" OUC Streetlight duct	0	LF	$ 25.00	$ 0.00
19	26 05 12	OUC Streetlight handhole	0	EA	$ 500.00	$ 0.00
20	26 05 12	OUC Streetlight directional bore	0	LF	$ 150.00	$ 0.00
21	26 05 12	OUC Streetlight conductor #4/4	0	LF	$ 12.00	$ 0.00
					SUBTOTAL	$ 548,280.00
		MOBILIZATION (10% OF CONSTRUCTION COSTS)	1	LS	10%	$ 54,828.00

TOTAL OAR OPINION OF PROBABLE CONSTRUCTION COSTS* ***$603,108.00***

Prepared by Ben Brown, P.E. Loyal Wingman, LLC

LOYAL WINGMAN

DRL FLA

FIDELIS · INTEGRITAS · PRUDENTIA

MMXXI

John Bayley
Project Manager
GOAA OAR

April 23rd, 2026

Re: H-417 Mill and Resurface Secure Road at Centerfield ARFF – RCO 001 REVISION #2

Dear Mr. Bayley,

Per your request, The Middlesex Corporation ("TMC") hereby provides its cost proposal of **$572,979.54** for milling and resurfacing the Secure Road at the Centerfield ARFF as depicted in an attached drawing. The qualifications and exclusions are listed below:

- An approx. 7846 SY area will be milled 3" and resurfaced with P403 Asphalt
- The expected construction duration is 7 calendar days for substantial; final (painted) pavement marking within 21 days after substantial
- The assumed access is shown in an attached drawing
- Excludes utility relocations, damage to unknown utilities, concrete work, building/canopy demolition, base/subgrade, permits except for GOAA Horizontal Permit, joint sealant, removal/disposal of contaminated materials, dewatering, and demo or installation of concrete

If you have any questions about the above proposal, please feel free to call me at 978-230-5000.

Sincerely,
THE MIDDLESEX CORPORATION

Jake Shumway
Project Manager
Cc. Peter Donkor – Senior Project Manager
Cary Strzepek – VP Construction
Neil Mulrooney – Sr. VP Construction

H-00417 SCHEDULE OF VALUES					
PAY ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	MOBILIZATION & GCS	LS	1	$56,836.95	$56,836.95
2	DESIGN	LS	1	$98,404.04	$98,404.04
3	MOT	LS	1	$59,864.53	$58,864.53
4	ASPHALT DEMO	SY	7846.0	$7.42	$58,217.32
5	ASPHALT PAVING	TON	1379	$217.30	$299,656.70
TOTAL					**$572,979.54**

CHANGE ORDER ESTIMATED COST SUMMARY

TMC Project #:	2129	*Estimator:*	Jake S
Contract #:	H-417	Estimate #:	1
Financial Project #:	N/A	Revision #:	1
Contract Description:	Mill and Resurface Secure Road at Centerfield ARFF	Date:	4/23/2026
Owner:	GOAA		

Brief Scope of Work: H-417 Mill and Resurface Secure Road at Centerfield ARFF

Does this Change affect the Contract Time? No **If so, number of days (+/-):** 0

WORK DESCRIPTION			LABOR	MATERIAL	EQUIP.	SUBS	OTHER	SUBTOTAL
Summary By Discipline from Details Page:			$ 44,255.55	$ 3,600.00	$ 16,519.10	$ 467,426.00	$ 880.00	**$ 532,680.65**
Markups:								
Direct Labor		10.0%	$ 4,425.56					**$ 4,425.56**
Materials		6.0%		$ 216.00			$ 52.80	**$ 216.00**
Equipment		10.0%			$ 1,651.91			**$ 1,651.91**
Subcontracts		6.0%				$ 28,045.56		**$ 28,045.56**
Sales Tax	$0	6.5%		$ 234.00				**$ 234.00**
SUBTOTALS:			**$ 48,681.11**	**$ 4,050.00**	**$ 18,171.01**	**$ 495,471.56**	**$ 932.80**	**$ 567,306.48**

UNIT PRICE ADJUSTMENTS	Quantity	Unit Measure	Unit Price	SUBTOTAL
Pay Item:				**$ -**
None				**$ -**
SUBTOTAL:				**$ -**

UNIT PRICE ADJUSTMENTS			SUBTOTALS
	Estimate Subtotal		**$ 567,306.48**
	Unit Price Subtotal		**$ -**
	Insurance & Bond	1.0%	**$ 5,673.06**
TOTAL PROPOSAL COST:			**$572,979.54**

THE MIDDLESEX CORPORATION

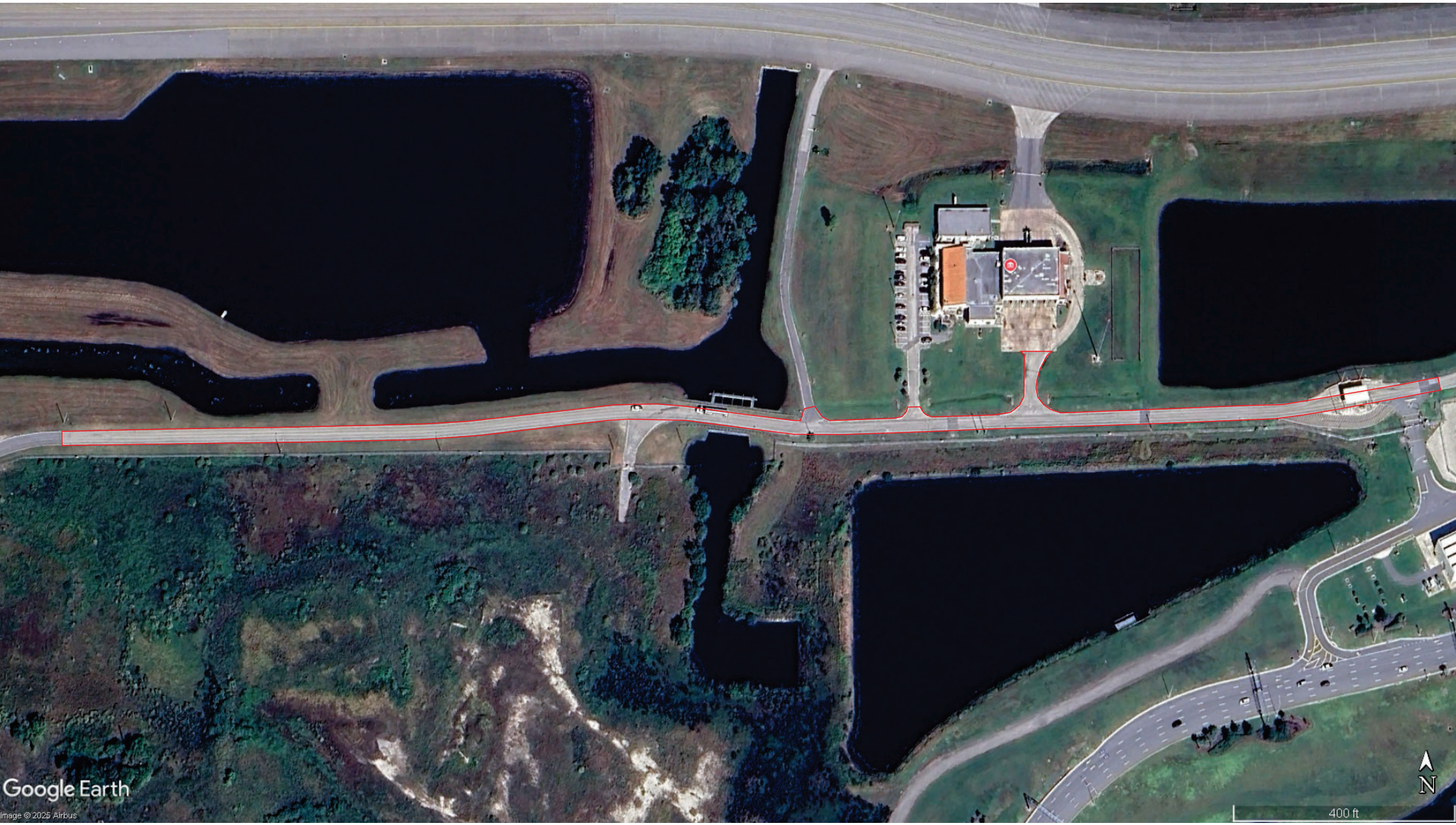
Jake Shumway
Project Manager

CHANGE ORDER ESTIMATE DETAILS

Description: H-417 Mill and Resurface Secure Road at Centerfield ARFF

TMC Project #: 2129
Date: 04/23/26
Estimator: Jake S
Estimate #: 1
Revision #: 1

Type	#	DESCRIPTION	QTY	UM	UNIT PRICE	LABOR "L"	MATERIAL "M"	EQUIP "E"	SUB "S"	OTHER "O"	TOTAL
		Flaggers/Escorts and Asphalt									
L	1	Crew Leader	70.0	HR	$ 74.10	$ 5,187.00	$ -	$ -	$ -	$ -	**$ 5,187.00**
L	5	Laborer - Skilled	70.0	HR	$ 35.06	$ 12,271.00	$ -	$ -	$ -	$ -	**$ 12,271.00**
L	1	Truck Driver	70.0	HR	$ 42.30	$ 2,961.00	$ -	$ -	$ -	$ -	**$ 2,961.00**
E	3	Truck - 1/2 Ton	70.0	HR	$ 17.69	$ -	$ -	$ 3,714.90	$ -	$ -	**$ 3,714.90**
E	1	Truck - Water Tanker	70.0	HR	$ 56.58	$ -	$ -	$ 3,960.60	$ -	$ -	**$ 3,960.60**
E	1	Sweeper - Broom	70.0	HR	$ 88.43	$ -	$ -	$ 6,190.10	$ -	$ -	**$ 6,190.10**
M	1	Bob's Barricades - Rental Devices	1.0	LS	$ 3,600.00	$ -	$ 3,600.00	$ -	$ -	$ -	**$ 3,600.00**
S	5	Sunrise Hauling	20.0	HR	$ 85.00	$ -	$ -	$ -	$ 8,500.00	$ -	**$ 8,500.00**
S	1	Trumark - Pavement Marking	1.0	LS	$ 8,475.00	$ -	$ -	$ -	$ 8,475.00	$ -	**$ 8,475.00**
S	1	TMC Paving Milling & 3" P403	1.0	LS	$ 357,617.00	$ -	$ -	$ -	$ 357,617.00	$ -	**$ 357,617.00**
O	2	Anderson Rentals - Portojohns	1.0	LS	$ 315.00	$ -	$ -	$ -	$ -	$ 630.00	**$ 630.00**
O	1	Misc Materials	1.0	LS	$ 250.00	$ -	$ -	$ -	$ -	$ 250.00	**$ 250.00**
						$ -	$ -	$ -	$ -	$ -	**$ -**
		Flaggers/Escorts and Final Pavement Marking				$ -	$ -	$ -	$ -	$ -	**$ -**
L	1	Crew Leader	10.0	HR	$ 74.10	$ 741.00	$ -	$ -	$ -	$ -	**$ 741.00**
L	2	Laborer - Skilled	10.0	HR	$ 35.06	$ 701.20	$ -	$ -	$ -	$ -	**$ 701.20**
E	1	Truck - 1/2 Ton	10.0	HR	$ 17.69	$ -	$ -	$ 176.90	$ -	$ -	**$ 176.90**
						$ -	$ -	$ -	$ -	$ -	**$ -**
		Survey & Design				$ -	$ -	$ -	$ -	$ -	**$ -**
L	1	Survey - Crew	40.0	HR	$ 216.01	$ 8,640.40	$ -	$ -	$ -	$ -	**$ 8,640.40**
S	1	C&S - Design annd Construction Services	1.0	LS	$ 92,834.00	$ -	$ -	$ -	$ 92,834.00	$ -	**$ 92,834.00**
						$ -	$ -	$ -	$ -	$ -	**$ -**
		Site Management and GC				$ -	$ -	$ -	$ -	$ -	**$ -**
L	1	Project Manager	35.0	HR	$ 98.47	$ 3,446.45	$ -	$ -	$ -	$ -	**$ 3,446.45**
L	1	Superintendent	70.0	HR	$ 95.48	$ 6,683.60	$ -	$ -	$ -	$ -	**$ 6,683.60**
L	1	Site Safety Manager	35.0	HR	$ 103.54	$ 3,623.90	$ -	$ -	$ -	$ -	**$ 3,623.90**
E	1	Truck - 1/2 Ton	140.0	HR	$ 17.69	$ -	$ -	$ 2,476.60	$ -	$ -	**$ 2,476.60**
						$ 44,255.55	**$ 3,600.00**	**$ 16,519.10**	**$ 467,426.00**	**$ 880.00**	**$ 532,680.65**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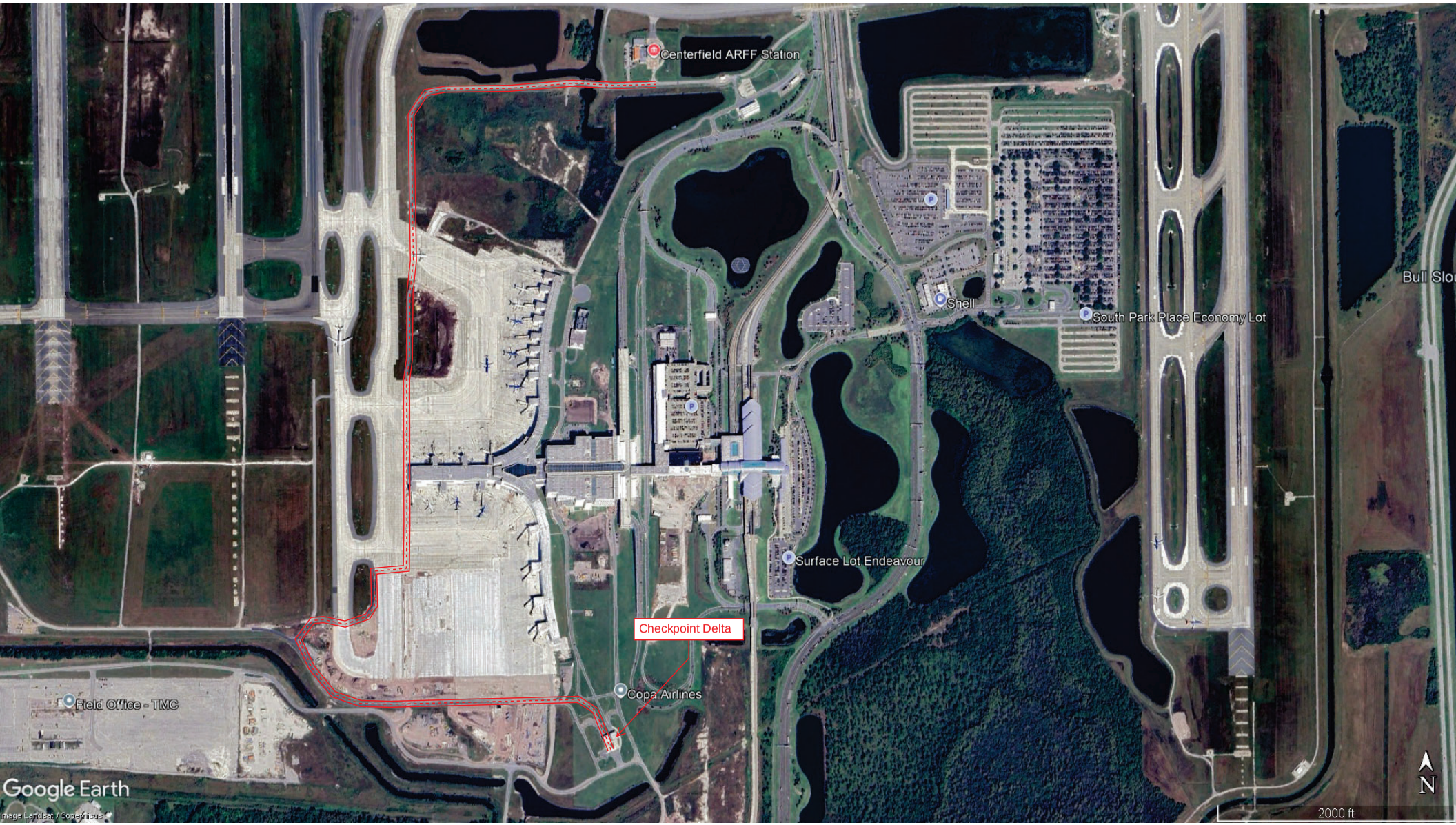

Centerfield ARFF Station
Shell
South Park Place Economy Lot
Surface Lot Endeavour
Checkpoint Delta
Copa Airlines
Field Office - TMC
Google Earth
Image Landsat / Copernicus
2000 ft
N

SENT VIA EMAIL ONLY

March 3, 2026

The Middlesex Corporation
Peter Donkor | Senior Project Manager
10801 Cosmonaut Blvd.
Orlando, FL 32824

Re: Orlando International Airport
H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
Design and Construction Administration Phase Services

C&S File: L94.MKT.PRO

Dear Mr. Donker:

C&S Companies appreciates the opportunity to submit the attached proposal for the Design and Construction Administration Phase Services for the above referenced project. Our team is prepared to start on this fast-paced project when we win it. It is our understanding that we will not start prior to a contract and formal board approval.

The Basic Services described herein shall be completed and be submitted based on the schedule in Schedule A which is included in Attachment No. 01. If you should request any modifications or changes to the general scope or extent of the Project, the time allowed for performance of our services will be adjusted equitably.

In exchange for performance of our design and construction phase services, you agree to pay us for Basic Services a Lump Sum fee for these services per the following tasks:

Design Services	$	66,294.00
Construction Services	$	26,540.00
Total:	$	92,834.00

Our team is prepared to meet this accelerated schedule and bring another successful project to GOAA from both C&S and Middlesex.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

C&S ENGINEERS, INC.

Douglas R. Saunders, P.E., dsaunders@cscos.com
Department Manager

encl:

cc: Jake Shumway, Cary Strzepek

ATTACHMENT NO. 01 - Schedule A – Scope of Work

SCOPE OF WORK
H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
March 3, 2026

Airport Name: **Orlando International Airport**
Services Provided: **Design and Construction Administration**

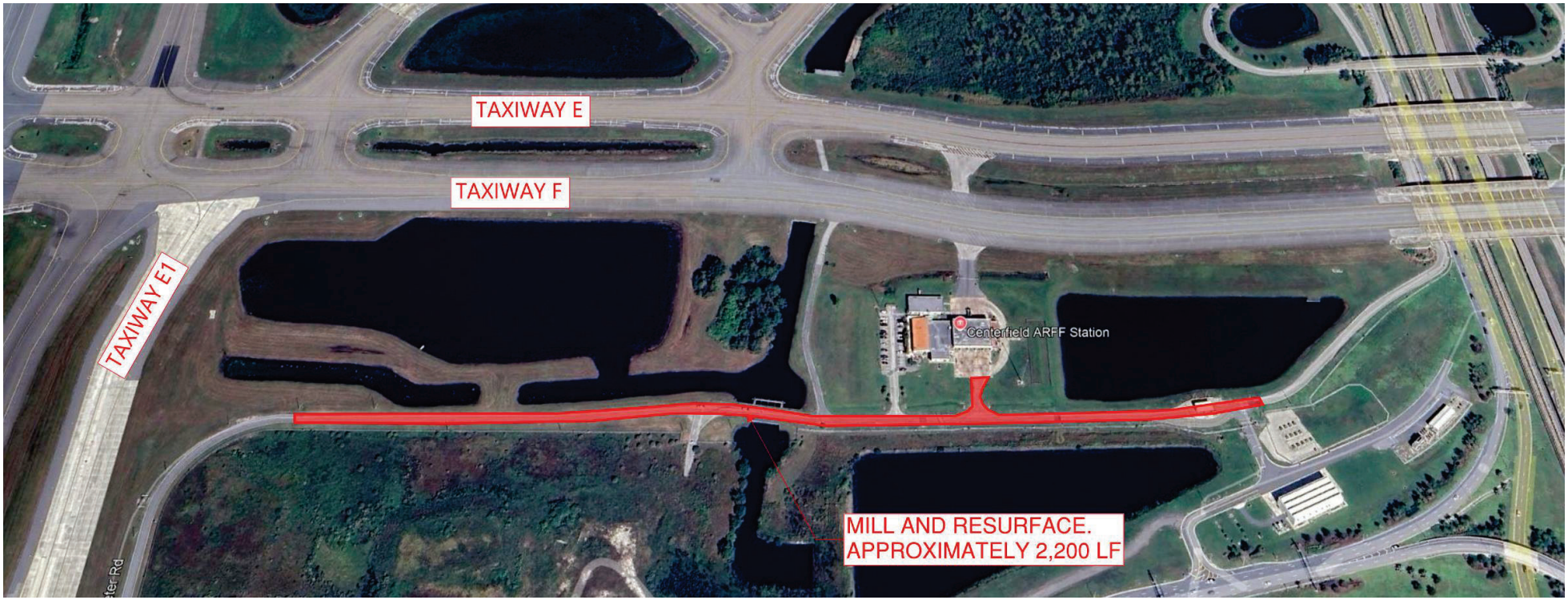
Project Description:
The CONSULTANT shall provide required services to design the H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B) at MCO project (the "Project").

The project entails the following:

- Mill and resurface a portion of South Perimeter Road.
- Maintenance of Traffic
- Restriping as needed
- Assumptions used in preparation of this proposal are included on the last page.

Services to be provided by the CONSULTANT shall include civil engineering services, as applicable, required to accomplish the following items ("Basic Services"):

The design schedule is shown on the following pages but will be adjusted to follow Middlesex and GOAA standards requirements.

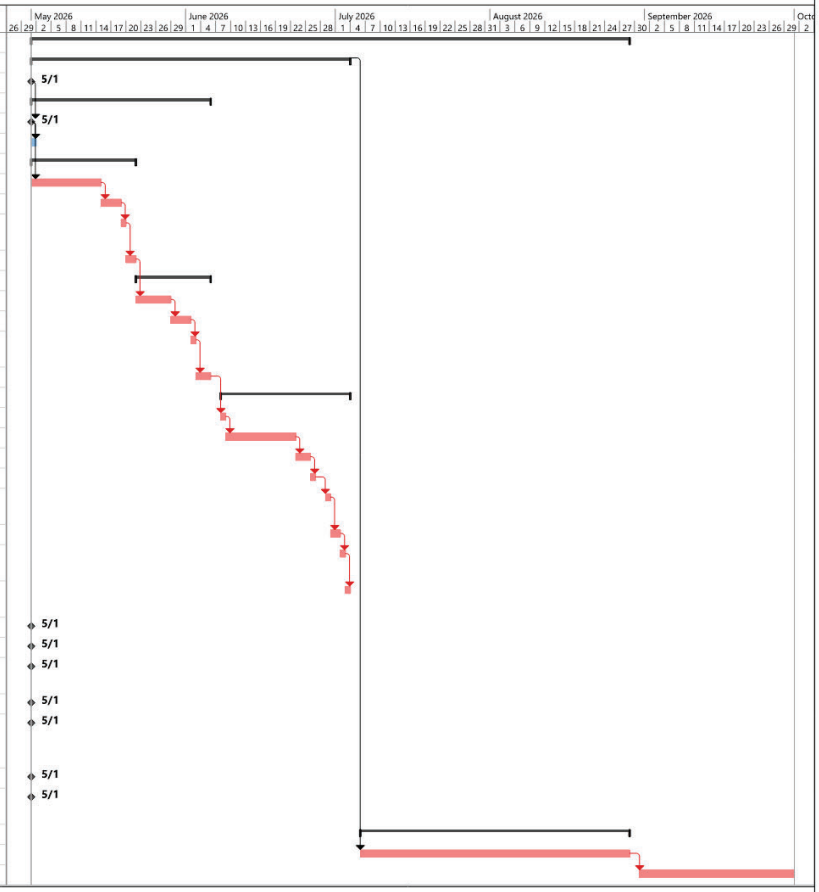


Scope of Work Plan

SCOPE OF WORK
H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
March 3, 2026

H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B)
Design Schedule

ID	Task Mode	Task Name	Working Days	Calendar Days	Start	Finish	Predecessors
1		**Contract Duration**	**86 days**	**120 days**	**Fri 5/1/26**	**Fri 8/28/26**	
2		**Design Schedule**	**46 days**	**64 days**	**Fri 5/1/26**	**Fri 7/3/26**	
3		Notice to Proceed	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
4		**Design Development Phase**	**26 days**	**36 days**	**Fri 5/1/26**	**Fri 6/5/26**	
5		**Start of Design**	0 days	0 days	Fri 5/1/26	Fri 5/1/26	3
6		GOAA Kickoff Meeting	1 day	1 day	Fri 5/1/26	Fri 5/1/26	5
7		**Early Package**	**15 days**	**21 days**	**Fri 5/1/26**	**Thu 5/21/26**	
8		Design	10 days	14 days	Fri 5/1/26	Thu 5/14/26	5
9		QC	2 days	4 days	Fri 5/15/26	Mon 5/18/26	8
10		Submit to Middlesex for Review	1 day	1 day	Tue 5/19/26	Tue 5/19/26	9
11		Discuss with Middlesex	2 days	2 days	Wed 5/20/26	Thu 5/21/26	10
12		**Final Documents**	**11 days**	**15 days**	**Fri 5/22/26**	**Fri 6/5/26**	
13		Design	5 days	7 days	Fri 5/22/26	Thu 5/28/26	11
14		QC	2 days	4 days	Fri 5/29/26	Mon 6/1/26	13
15		Submit to Middlesex for Review	1 day	1 day	Tue 6/2/26	Tue 6/2/26	14
16		Discuss with Middlesex	3 days	3 days	Wed 6/3/26	Fri 6/5/26	15
17		**GOAA Horizontal Permit**	**20 days**	**26 days**	**Mon 6/8/26**	**Fri 7/3/26**	
18		Submit to GOAA	1 day	1 day	Mon 6/8/26	Mon 6/8/26	16
19		Receive comments	10 days	14 days	Tue 6/9/26	Mon 6/22/26	18
20		Resolve comments	3 days	3 days	Tue 6/23/26	Thu 6/25/26	19
21		QC	1 day	1 day	Fri 6/26/26	Fri 6/26/26	20
22		Submit to Middlesex for Review	1 day	1 day	Mon 6/29/26	Mon 6/29/26	21
23		Discuss with Middlesex	2 days	2 days	Tue 6/30/26	Wed 7/1/26	22
24		Submit Construction Documents	1 day	1 day	Thu 7/2/26	Thu 7/2/26	23
25		Receive GOAA Horizontal Permit	1 day	1 day	Fri 7/3/26	Fri 7/3/26	24
26		**Other Permits - NOT APPLICABLE**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
27		**OUC Light Coordination**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
28		Not Applicable. Assuming no Light pole relocations	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
29		**City of Orlando Permit**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
30		Not Applicable. Assumming no City of Orlando Permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
31		**SFWMD**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
32		Not Applicable. Assuming no SFWMD permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
33		**Construction**	**40 days**	**54 days**	**Mon 7/6/26**	**Fri 8/28/26**	
34		Substantial Completion	40 days	54 days	Mon 7/6/26	Fri 8/28/26	2
35		Final Completion	23 days	31 days	Mon 8/31/26	Wed 9/30/26	34



Project: Design Schedule
Date: Mon 3/2/26

Task, Split, Milestone, Summary, Project Summary, Inactive Task, Inactive Milestone, Inactive Summary, Manual Task, Duration-only, Manual Summary Rollup, Manual Summary, Start-only, Finish-only, External Tasks, External Milestone, Deadline, Critical, Critical Split, Progress, Manual Progress

Page 1

DESIGN DEVELOPMENT PHASE (80%)

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Schedule and conduct a pre-design meeting with GOAA to review the scope of services and become familiar with the Project requirements and operational concerns during the Project's construction.
6. An existing basemap will be developed in CAD from all as-built information including high resolution aerial photographs.
7. Conduct site inspections to verify project-related existing physical features and facilities.
8. Develop horizontal pavement geometrical layouts and place sufficient information on drawings to layout proposed roadway.
9. Develop mill and resurface pavement design.
10. Develop a maintenance of protection plan that limits interference with the travelling public.
11. Develop preliminary roadway marking plans.
12. Prepare preliminary Contract Drawings (approximately 80% complete) providing sufficient detail for review of design concepts by GOAA. Drawings on 30" x 42" Paper. It is anticipated that the drawings will consist of the following sheets:

Approx. Number of Sheets	Name
1	Cover Sheet
1	Sheet Index and General Notes
1	Legend and Abbreviations
1	Overall Site Plan and Key map
2	Demolition Plan
1	Demolition Details
2	Paving Plan
1	Typical Sections
2	Marking Plans
2	Marking Details

2	Maintenance of Protection Plans
1	Airspace Critical Locations Plan
1	Maintenance of Protection Details
18	**Total Sheets**

13. Develop Division 1 documents.
14. Develop technical specifications expected to be required for the proposed work using FDOT, Masterspecs and other sources.
15. Perform an internal quality control review on all design documents.
16. Submit sufficient copies of design development documents to GOAA for their review and comment.
17. Schedule and conduct a design development review meeting to discuss and resolve GOAA comments.
18. Provide written responses to all comments received.

CONSTRUCTION DOCUMENTS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Detail and finalize pavement details, rehabilitation details and pavement sections.
6. Finalize marking plans.
7. Finalize maintenance of protection plan that limits interference with the travelling public. in Specifications and on the Contract Drawings.
8. Prepare final Contract Drawings on 30" x 42" paper.
9. Finalize Division 1 documents.
10. Finalize written Technical Specifications for all construction materials and installations.
11. Provide documents for GOAA to submit both the construction safety phasing plan and 7460 form electronically to the FAA.
12. Perform final internal quality control review on all design documents.

13. Submit draft final documents to GOAA, FAA and FDOT for final review and comment.
14. Schedule and conduct draft final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
15. Provide written responses to all comments received.
16. Incorporate all draft final review comments into the 100% plans.
17. Schedule and conduct final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
18. Deliver 100% plans to GOAA Engineering department to obtain their approval and stamp.
19. Obtain comments from GOAA Horizontal permit review.
20. Address comments received from GOAA Horizontal permit review.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Design Development Phase (80%)
    i. Pre-design meeting with GOAA / Middlesex
    ii. Weekly coordination meetings with Middlesex
    iii. Technical Review Team (GOAA) (TRT) review meeting
2. Construction Documents
    i. Weekly coordination meetings with Middlesex
    ii. General meeting to discuss phasing and other project elements with GOAA, tenants, and other stakeholders.
    iii. TRT review meeting – draft final
    iv. TRT review meeting - final

CONSTRUCTION ADMINISTRATION AND RECORD DRAWINGS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Provide Middlesex monthly project status reports.
3. Attend the Pre-Construction Conference meeting conducted by the Owner prior to the start of construction activities.
4. Attend the Owner's Job Coordination Meeting (JCM) meetings during the term of the construction contract. These meetings are planned to be held every week. It is assumed that there will be ten (10) JCM Meetings.

5. Make visits to the site at intervals appropriate to the various stages of construction to observe.
    a. It is assumed that site visits shall occur on the same day as the JCM meetings listed above.
6. Review and take other appropriate action in respect of Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept for the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.
7. Review requests for information and field changes.
8. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, but subject to the provisions of the Contract Documents.
9. Conduct a final inspection to determine if the completed Work of the Contractor is acceptable.
10. Prepare the Record Documents based upon the As-Built Drawings and Documents received from the contractor.
11. Review all Close-out Documents and Manuals for conformance with the Contract Documents.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Pre-Construction Conference Meeting – 1 meeting
2. JCM Meeting – 10 meetings
3. Site Visits – Concurrent with the JCM Meetings above.
4. Pre-Final Inspection – 1 meeting
5. Final Inspection – 1 meeting

ASSUMPTIONS:

The conditions or considerations in developing the scope and fee for the project described above include:

1. No survey is included in this proposal.
2. No geotechnical investigation is included in this proposal.

3. No right-of-way or other deed research is included in this proposal.
4. The placement of boundary monumentation is not required.
5. GOAA will supply any deeds, maps, recorded and unrecorded information and an up-to-date abstract of title that will assist in the progress of this project.
6. Soil sampling for contaminants will not be required for this project.
7. It is assumed that existing documentation for the area of work exists and will be provided to C&S upon award of the project.
8. The existing pavement does not require any grade corrections or drainage improvements, therefore grading and drainage plans are not required. Any work on the project will match existing grades and existing drainage structures will be maintained.
9. Permitting through the City of Orlando and South Florida Water Management District will not be required.

EXCLUSIONS / ADDITIONAL SERVICES

1. Environmental review, NEPA and state, including the collection and review of available documents such as published wetland maps, soil conservation survey maps, and previous master plan and environmental archaeological studies, to identify potential impacts the Project may have on the environment.
2. NEPA or any other environmental compliance reports, studies, and environmental reviews, state or federal.
3. Underground utility locating (soft digs, potholing, etc.)
4. Underground utility inspections using a video camera.
5. Drainage studies, including hydrology or hydraulics unless otherwise identified above in scope of work.
6. All design changes and value engineering efforts after the Design Development Phase is excluded from this scope.

SUNRISE HAULING & EXCAVATING INC.

PROPOSAL / CONTRACT

345 Enterprise Street
Ocoee, FL 34761
Phone:(407) 775-1401
Fax: (407) 395-2331

~~Date: April 30, 2024~~
Estimate Number: 41420232
Customer Name: Middlesex Corporation
ADDRESS: 10801 Cosmonaut Blvd
CITY/STATE/ZIP: Orlando, Fl 32824 Florida
PHONE: 407-757-1579
E-MAIL: rflrml@middlesexco.com

REV 2
RF 4-30-24

SUNRISE HAULING & EXCAVATING INC.

PREPARED BY:
Alberto Puentes
Regional Sales Manager
sunrisehaulingestimating@gmail.com
Mobile (407)714-0970

JP 4/30

PROJECT
~~GOAA BP 498 Project~~

LOCATION
Orlando Airport
Orlando Fl.

PAYMENT TERMS
Net 30

MINORITY CERTIFY M.B.E./LDB, ORLANDO AVIATION, ORANGE COUNTY, ~~MWBE~~ CITY OF ORLANDO, DBE/F-DOT

QTY	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY	TOTAL DELIVERED PRICE
Cy	Select Fill Material Delivered	BB Marsh Rd, Clermont	OIA Taxiway A,B and E4 Rehab	9.50 Cy	15.75 Cy
Tn	Limerock Material Delivered	Cemex Center Hill	OIA Taxiway A,B and E4 Rehab	M 13.75 Tn H	26.70 Tn
Tn	DOT #57 Stone Material Delivered	Cemex Cocoa Yard	OIA Taxiway A,B and E4 Rehab	15.75 Tn	62.95 Tn
Hr	Hourly On Site Hauling	OIA Taxiway A,B and E4 Rehab	OIA Taxiway A,B and E4 Rehab		70.00 Hr
Hr	Hourly Demo Hauling	OIA Taxiway A,B and E4 Rehab	Crusher		85.00 Hr
	Fuel Escalation charge of 3% for every 7cents increase from start through duration of Job. Verified by eia.gov lower atlantic fuel website				

MATERIAL BASED ON AVAILABILTY - Rates based on 10 hour dump days

NOTE: ALL Rates based on service upon truck availabilty and/or loading condions at the quarry. Upon acceptance of proposal and before placement of order(s). Please sign and return to our office along with NTO or bond informationvia email. **Plese note that before ordering service for any project you must submit a Notice of Commencement stating all the legal description for that particular project.** Fuel Escalation above, Verified by eia.gov lower atlantic fuel website Please remember that acceptance of proposal **does not** represent an order. To place an order you must contat our office or dispatcher with at leaset one day notice. Prices are subject to change if rate(s) increase from the quarry and or change at the dump site(s). Hauling rates are subject to change depending on current fuel prices. Validation of quoted pricing is subject to proposal being accepted and returned with signature within 30 days of sending date.

SPECIAL PROVISIONS: Prices Quoted are US Tons (Not Metric) Prices Quoted Do Not Allow Retainage

PAYMENT TO BE MADE AS FOLLOWS: NET 30

All work is done with the understanding that the customer is fully responsible to verify that all labor, materials, quantities, equipment, time and all other work furnished meets the requirements of the job stated above. Upon customer satifaction, customer and/or authorized persons will acknowledge by signing the delivery tickets for all work/materials furnished. after the signing of the delivery tickets, customer is fully liable for all work state thereon. There will be no credits issured and no dicrepancies after signing of said tickets. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. This proposal is acceptable within 30 days and is void thereafterat the option of the undersigned. In the event it becomes necessary for Sunrise Hauling & Excavating Inc. to engage the service of an attorney to collect any sums due under this contract, the customer will pay reasonable attorney's fees and all costs in making such collection.

Sign Below to Accept Proposal:

Outlook

RE: Quote for Portojohns

From Anderson Sales <sales@anderson-rentals.com>
Date Mon 2024-09-09 3:02 PM
To Jake Shumway PMP <jshumway@middlesexco.com>; Anderson Sales <sales@anderson-rentals.com>

CAUTION: This is an external email sent from outside Middlesex.
DO NOT click on links or download attachments unless you recognize the sender, were expecting it, and know the content is safe.

Towable Portable Restroom:
$100.00 each + sales tax, one time delivery charge (includes pickup)
$165.00 each + sales tax for portable restroom with 1 x week service
$215.00 each + sales tax for portable restroom with 2 x week service

Megan Burnell
1-800-553-2213

From: Jake Shumway PMP <jshumway@middlesexco.com>
Sent: Monday, September 9, 2024 2:54 PM
To: Anderson Sales <sales@anderson-rentals.com>
Subject: Quote for Portojohns

Ashley,

Could you please quote us a two portojohn on a trailer that we can bring out to the Orlando International airfield? We need it for two weeks in December and then two weeks in January with two cleanings per week. We could bring them out by our trailer at 11400 Terminal C Service Road Orlando FL 32827, so that they could be cleaned.

Thank you,

Jake Shumway

Jake Shumway PMP | Project Manager
10801 Cosmonaut Blvd. Orlando, FL 32824
p: 978-230-5000

Bob's BARRICADES, INC.

921 SHOTGUN ROAD
SUNRISE, FLORIDA 33326

~~2.26.26~~ ~~GOAA-BP-498 Taxiways G&H Rehabilitation Phase 2~~ 10 days GOAA

DOT #	DESCRIPTION	U/M	Est Qty	Price	Ext Prices
	Delivery / Pick up	ea	2	$375.00	$750.00
	Low Profile Barricades (water fillable)	ed	1000	$2.25	$2,250.00
	Red lens light (battery powered)	ed	2000	$0.30	$600.00
					$3,600.00

Maximum amount of low profile airport barricades is 100.
Water, sandbagging and or setup not included in the above prices.
Quote is firm for (20) days. Quoted prices are firm for the life of the job upon acceptance.
Airport lights are battery powered.
By agreeing to this quote, it becomes a part of any resulting contract.
This quotation in no way authorizes the use of any Bob's Barricades personnel
and/or their certification as worksite traffic safety supervisor.
30 minimum business day notice is required prior to delivery of airport barricades.
All applicable sales tax will be added where required.
quoted by John Baldwin jbaldwin@bobsbarricades.com;
800-432-5031; fax 954-473-8737

TRU-MARK INC.
31719 Long Acres Drive
Sorrento, Fl. 32776

Proposal

Date	Estimate #
4/21/2026	39913

Middlesex
10801 Cosmonaut Blvd.
Orlando, FL 32824

Project
H-417 Airport

Terms	P.O. No.
Net 30	

Item	Description	Qty	Rate	Total
0710-11-101	Painted Pavement Markings, Standard White Solid 6" LF	6,000	0.65	3,900.00
0710-11-201	Painted Pavement Markings, Standard Yellow, Solid, 6" LF	6,000	0.65	3,900.00
0706-3	Retro Reflective Pavement Markers EA	150	4.50	675.00
	Price covers up to 3 shifts. Any additional will be $2,850.00			

Total $8,475.00

Phone #	Fax #	E-mail
352-735-8394	352-735-8440	trumarknorman@aol.com

Please advise as soon as possible of intent to award in order to facilitate scheduling concerns. Prices are good for 90 days after the bid date.

PROPOSAL

Middlesex Paving, LLC

10801 Cosmonaut Blvd.

Orlando, FL

Phone: **(407) 206-0077**

Submitted To: TMC FL (Construction)
10801 Cosmonaut Blvd.
Orlando, FL 32824

Job Name: GOAA, H-417 & H-419
Proposal No.: PV1133

Middlesex Contact: Victor Thillett

Attention:

Includes up to 2 Paving Mobilization(s).
Based on Completion by Sept, 2026.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Paving schedule is subject to availability and allocation of incoming aggregate deliveries for asphalt production schedule.				
	H417				
H417	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H417	3" MILLING 7846	~~7,683.00~~	SY	7.00	~~53,781.00~~ 54922
H417	3" P-403 ASPHALT 1379	~~1,350.00~~	TN	205.00	~~276,750.00~~ 282695
	Total for H417				~~**350,531.00**~~ 357617
	H419				
H419	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H419	4" MILLING	6,974.00	SY	5.00	34,870.00
H419	4" P-401 ASPHALT (PG 82-22)	1,600.00	TN	225.00	360,000.00
	Total for H419				**414,870.00**
GRAND TOTAL					**$765,401.00**

NOTES:

ACCEPTANCE OF PROPOSAL:
This proposal and pricing is accepted by the following signature with agreement to all notes and clarifications as stated herein.

Company Name: _____

Accepted By: _____ Date of Acceptance: _____
Authorized Representative's Signature

Printed Name: _____

MOBILIZATIONS
* If additional paving mobilizations are required exceeding those noted above then an added charge of $4,500 will be required

for each extra Mobilization.
* The Milling item(s) of work is based on all being performed at the same time in a single mobilization. If additional milling mobilizations are required then an additional $5,500 will be charged for each extra.

GENERAL NOTES
* THIS IS A UNIT PRICE PROPOSAL
* If work is not completed prior to completion date of contract, Middlesex will review any cost impacts and has the right to revise the unit costs for remaining work.
* This Proposal is based on quantities supplied by the contractor and unit costs will apply to any overrun.
* Thicknesses quoted are "Nominal" thicknesses per FDOT specifications.
* Price is based on yield of 110 lbs/sy (per inch thickness). If this maximum is exceeded due to base or jobsite conditions, then any additional asphalt used will be charged as an overrun/extra work.
* This Proposal does not include Payment and Performance Bond; if required add 1.5% to the contract price. Min. Cost is $500.
* Work is to be done during normal business hours Mon.-Fri. (7AM-6PM) or Sun. night thru Thurs. night (per lane closure restrictions).
* This proposal is based on all work being performed with a single paving crew, if additional crews are required to accommodate the Contractor's schedule then this will need to be agreed prior and any additional costs agreed.
* Prior to placement of any friction course traffic shall be in final configuration.
* This proposal does not include any Engineering evaluation of bridges within or adjacent to the project work area with consideration to "walking" the milling and paving equipment across. If such Engineering evaluation is required for access across any bridges then that responsibility will be borne by the General Contractor.
* Please note that Middlesex typically shuts down the asphalt plant and paving operations for the week of Christmas/New Year's and for the week of July 4th. This consideration shall be included in the project schedule.
* Middlesex must have at least 3 weeks advance notice in order to better assure timely scheduling of the work required for each mobilization/phase of paving.
* Once scheduled for work, any cancellation must be made prior to 48 hrs before scheduled mobilization; otherwise, a mobilization may be charged against the project and any subsequent re-scheduling will be subject to consideration of the above noted 3 weeks advance notice requirement.
* If this project includes the placaement of FC-5 Friction then be aware that Middlesex Paving follows the FDOT Specification for 65 degree temperature threshold and we must have a forecast with consistent temperatures meeting this threshold for the entire work allowance...no partial shifts. Typically, night-time placement of FC-5 Friction is not available (due to temperatures) from mid-November through March.
* The Contract item(s) for milling includes the trucking, cleanup and disposal of milled material. All milled asphalt becomes property of Middlesex. Milling shall be accessible by main line milling machine and Middlesex will not be responsible for areas that can't be accessed. Day-rate Milling is for milling machine only (no trucking, no clean-up).
* Miscellaneous asphalt is for placement of asphalt only. Grading and compacting the subgrade and application of an appropriate herbicide (per FDOT specifications) is the responsibility of the GC. The Misc. Asphalt item is based on the guardrail being installed after the placement of the asphalt and this does not include any patching by Middlesex.
* Location, adjustment, protection and relocation of utilities is not the responsibility of Middlesex.
* Price based on placing asphalt on a firm and unyeilding base/subgrade (prepared by others) meeting plan template and capable of supporting conventional asphalt paving equipment and tri-axle dump trucks.
* Middlesex will not be responsible for tack on adjacent roadways due to normal paving operations.
* Contractor to provide sufficient number of staging areas for Middlesex to park equipment close to each day's paving location and to allow for truck clean-out prior to leaving the project site.
* When accessing the paving areas, Middlesex will not be responsible for any miscellaneous concrete damaged by paving equipment or trucks. This includes curb and gutter, concrete pavement or brick pavers that are existing or constructed prior to paving operations.
* The GC is to provide a clean water source within reasonable access of the project for Middlesex's use to maintain operation of the rollers, broom, milling machine, and any other equipment, as needed.
* Due to existing conditions, Middlesex can not be responsible for 100% drainage of surface water following resurfacing.
* Middlesex will not be responsible for any puddling on areas where the grades are a 1.5% or less slope on plans or in the field conditions. Middlesex will not be responsible to notify customers of any conditions that exist that may present this problem.
* All of the above prices are based on the use of RAP (Recycled Asphalt) in the production of the hot-mix asphalt, per current FDOT Standards. Friction Courses are quoted per the current FDOT specifications, which allows the use of RAP in production.
* All of the above prices are based on the use of standard AC (liquid asphalt) binder in the production of the hot-mix asphalt, per FDOT Standards.
* Prices quoted are based on current prices on liquid asphalt, aggregates, and diesel fuel. Such prices are not guaranteed by the suppliers and are subject to sudden adjustment during the term of the contract. If the costs of these materials increases,

Middlesex has the right to adjust the unit costs accordingly.
* This proposal is furnished as a complete scope of work as defined above and shall be contracted to Middlesex in its entirety. Individual line items cannot be removed unless specific changes are approved by Middlesex.
* This Estimate/Proposal is contingent upon acceptance or issuance of an agreeable Subcontract which shall include the provisions of this Estimate/Proposal. This Estimate/Proposal will supercede any other provisions of the Subcontract. Prior to any work being performed by Middlesex on the project this Estimate/Proposal must be accepted or a Subcontract must be executed.
* Payment Terms shall be the 30 days from date of Middlesex invoice, unless agreed to otherwise.
* If a Subcontract or other agreement is not executed within 30 days then this proposal is subject to be reviewed for adjustment.
* All prep for paving by others, other than stated herein. All access, traffic, and safety control by others. This includes lane closure provided on highways to allow trucks to enter/exit the work zone, even if the work zone is out of and away from active traffic; if the trucks are entering/exiting directly to or from active traffic then a lane closure is to be provided.
* This proposal includes standard testing performed by Middlesex's certified Quality Control lab and technicians.
* Middlesex does not include any provision for asphalt (installation or removal) that may be required to maintain traffic (i.e. temporary wedges). If this is required, such work will be considered extra and will need to be priced separately.
* Prices do not include engineering or layout.
* All staking, layout and establishment of grades to be done by others and clearly indicated before paving (every 100' in tangents and 25'in radius). We will accept no responsibilty for improper engineering and/or areas where no grades were indicated before commencement of work.
* Sawcutting of existing pavement is not included and is the responsibility of the site contractor.
* Middlesex is not responsible for the clean up and/or disposal of sweepings generated from sweeping the base, prime and sand, or intermediate asphalt lifts. Such sweepings will be broomed out of the way of paving and cleaned up by others.
* This proposal specifically excludes RailRoad Insurance and any special requirements for working in or around RR right-of-way.

BULLETIN

PROJECT NO. & NAME:	H-00417 - Mill and Resurface Secure Road at Centerfield ARFF (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	The Middlesex Corporation	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	Loyal Wingman	
REQUESTED BY:	GOAA	
PREPARED BY:	John Bayley, GOAA PM	
ISSUED BY:	John Bayley, GOAA PM	

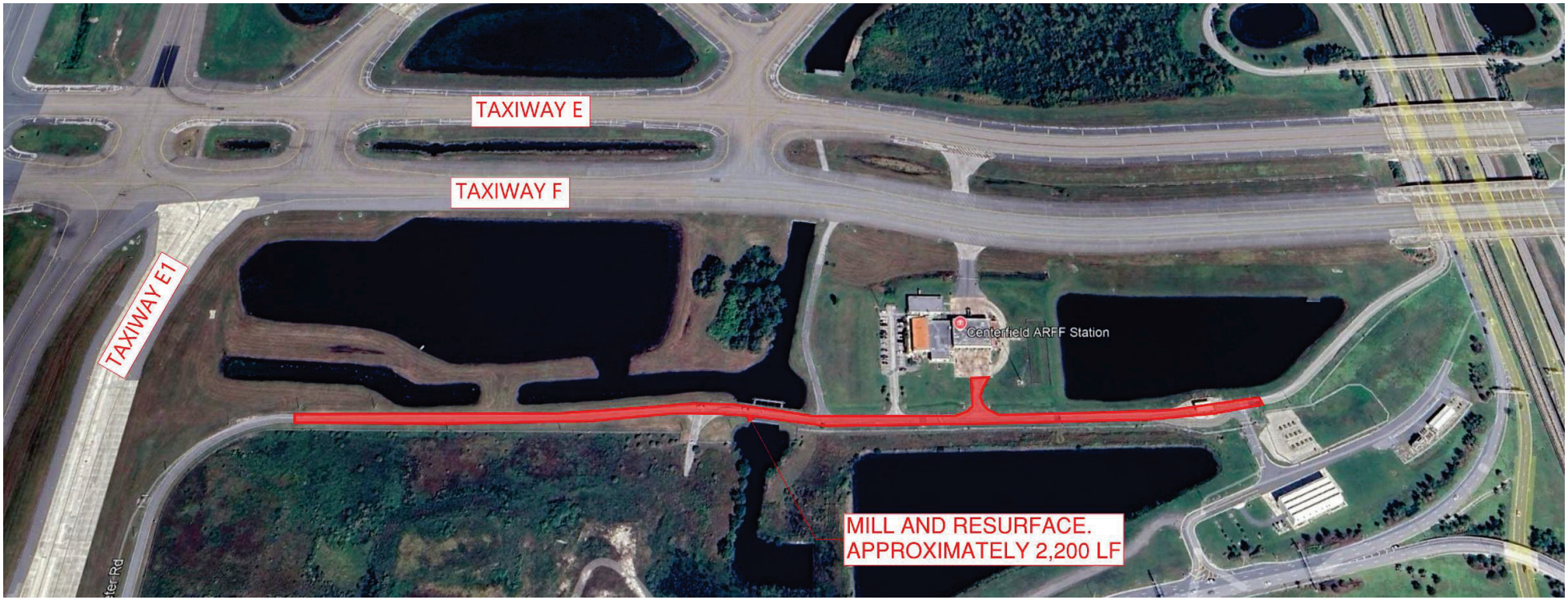
Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The Scope of work is to mill and resurface approximately 7846 square yards to 3 inches and resurface with P403 for the Secure Road at Centerfield ARFF. The Contractor RCO is to establish unit price items for the associated work. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Signage Guidelines 3. GOAA Engineering Documents Control (EDC) 4. FDOT Standard Plans for Road Construction 5. FDOT Standards Specifications for Road and Bridge Construction	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

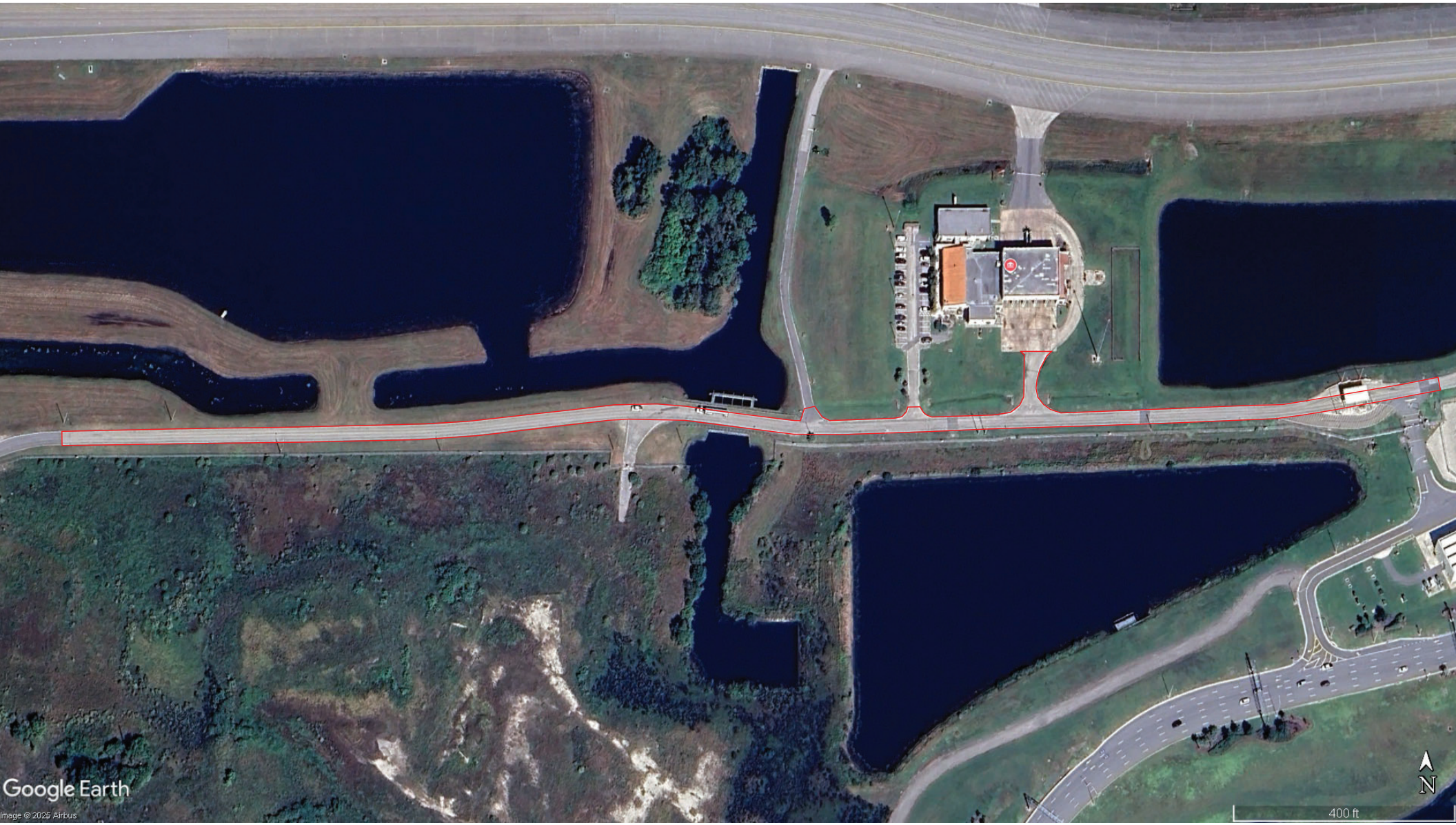
☒ ATTACHMENTS INCLUDED:

Other:

Location Map of the Area with Limits Demarked.



Scope of Work Plan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Greater Orlando Aviation Authority

Published By: John Bayl
Reviewed By: Jeffrey Re

CCM HANDOUT
4/28/2026
Item III-G
Full Item Replacement

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	H-00419 Pavement Repair Taxiway B1 (D/B)	DATE: 04/28/2026
CONTRACTOR:	The Middlesex Corporation	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Provide all labor, material, equipment and establish unit cost items for pavement repair at Taxiway B1**.** The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $596,637.31

Item #2 – Allowance Reduction – Reduce the Allowance by ($596,637.31) from $1,200,000.00 to $603,362.69 to cover the cost of Item #1 above.

Deduct: ($596,637.31)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operation and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 602,902.25		
GOAA/OAR Estimate	$ 559,134.40		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	69,920.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	0.00
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00
PREPARED BY: John Bayley		PHONE: 4053	

CC
ITEM III-G
04/28/2026

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed: 4/27/26	Initials of Reviewer: DM	Verification of Funding by Finance: Melvin Martinez

John Bayley
Project Manager
GOAA OAR

April 27th, 2026

Re: H-419 Pavement Repair Txy B1 – RCO 001 Revision 2

Dear Mr. Bayley,

Per your request, The Middlesex Corporation ("TMC") hereby provides its cost proposal of **$596,637.31** for milling and resurfacing Taxiway B1 as depicted in an attached drawing. The qualifications and exclusions are listed below:

- An approx. 6,950 SY area will be milled 4" and resurfaced with P401 (82-22) Asphalt
- The expected duration for construction is 7 calendar days
- The assumed access is shown in an attached drawing
- Excludes utility relocations, damage to unknown utilities, joint sealant, removal/disposal of contaminated materials, dewatering, pavement markings, and removal/reinstallation of light cans

If you have any questions about the above proposal, please feel free to call me at 978-230-5000.

Sincerely,

THE MIDDLESEX CORPORATION

Jake Shumway

Project Manager

Cc. Peter Donkor – Senior Project Manager
Cary Strzepek – Project Executive
Neil Mulrooney – Sr. VP Construction

H-00419 SCHEDULE OF VALUES					
PAY ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	MOBILIZATION & GCS	LS	1	$59,709.77	$59,709.77
2	DESIGN	LS	1	$94,764.00	$94,764.00
3	MOT	LS	1	$23,601.34	$23,601.34
4	ASPHALT DEMO	SY	6974.0	$5.30	$36,962.20
5	ASPHALT PAVING	TON	1600	$238.50	$381,600.00
TOTAL					**$596,637.31**

CHANGE ORDER ESTIMATED COST SUMMARY

TMC Project #:	2129
Contract #:	H-419
Financial Project #:	N/A
Contract Description:	Taxiway B1 Pavement Repair
Owner:	GOAA

Estimator:	Jake S
Estimate #:	1
Revision #:	1
Date:	4/27/2026

Brief Scope of Work: H-419 Pavement Repair Txy B1

Does this Change affect the Contract Time? No **If so, number of days (+/-):** 0

WORK DESCRIPTION			LABOR	MATERIAL	EQUIP.	SUBS	OTHER	SUBTOTAL
Summary By Discipline from Details Page:			$ 28,229.55	$ 5,310.00	$ 11,673.00	$ 509,370.00	$ 880.00	**$ 555,462.55**
Markups:								
Direct Labor		10.0%	$ 2,822.96					**$ 2,822.96**
Materials		6.0%		$ 318.60			$ 52.80	**$ 371.40**
Equipment		10.0%			$ 1,167.30			**$ 1,167.30**
Subcontracts		6.0%				$ 30,562.20		**$ 30,562.20**
Sales Tax	$25	6.0%		$ 343.60				**$ 343.60**
SUBTOTALS:			**$ 31,052.51**	**$ 5,972.20**	**$ 12,840.30**	**$ 539,932.20**	**$ 932.80**	**$ 590,730.01**

UNIT PRICE ADJUSTMENTS	Quantity	Unit Measure	Unit Price	SUBTOTAL
Pay Item:				**$ -**
None				**$ -**
SUBTOTAL:				**$ -**

UNIT PRICE ADJUSTMENTS			SUBTOTALS
	Estimate Subtotal		**$ 590,730.01**
	Unit Price Subtotal		**$ -**
	Insurance & Bond	1.0%	**$ 5,907.30**
TOTAL PROPOSAL COST:			**$596,637.31**

THE MIDDLESEX CORPORATION

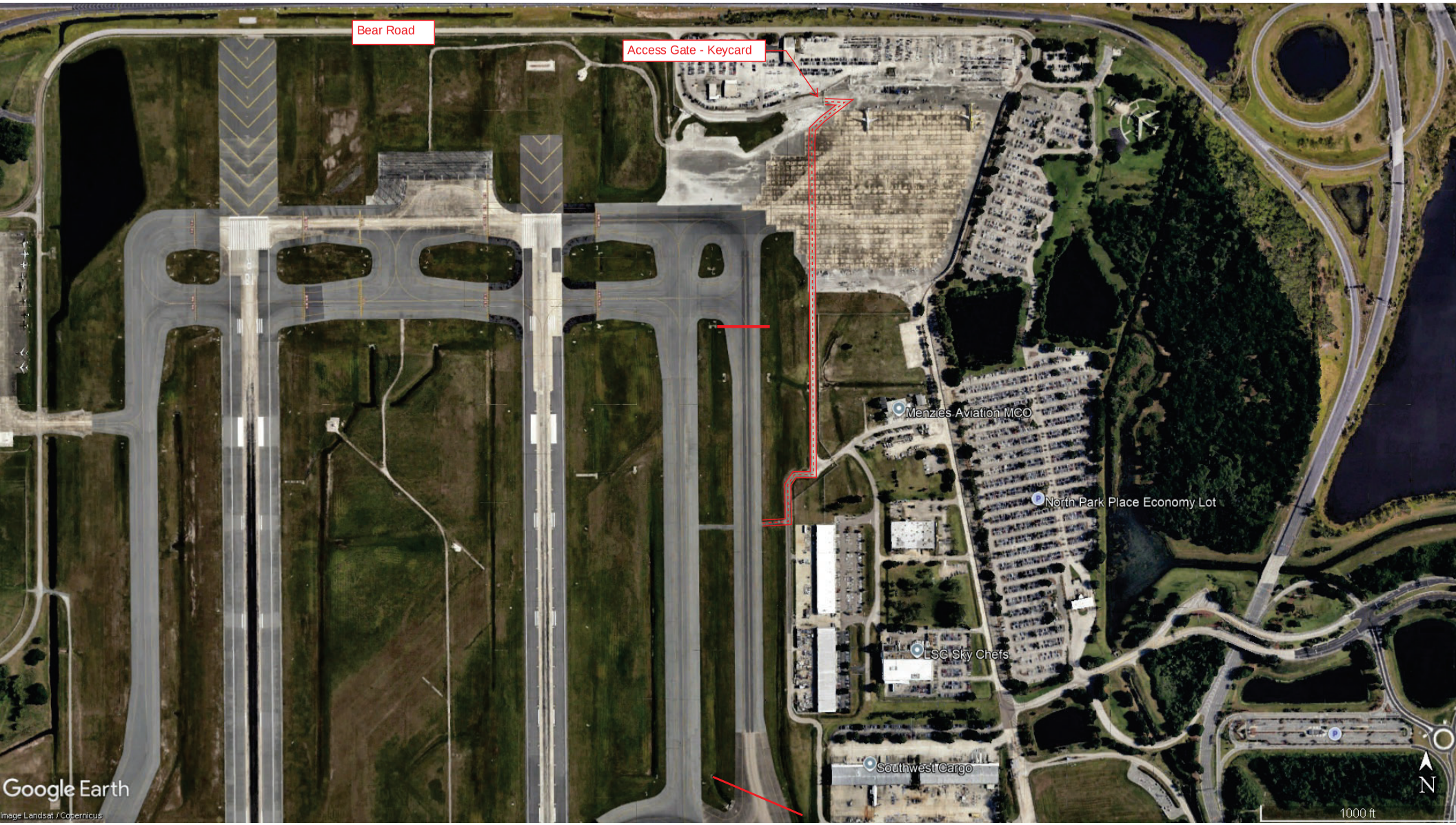
Jake Shumway
Project Manager

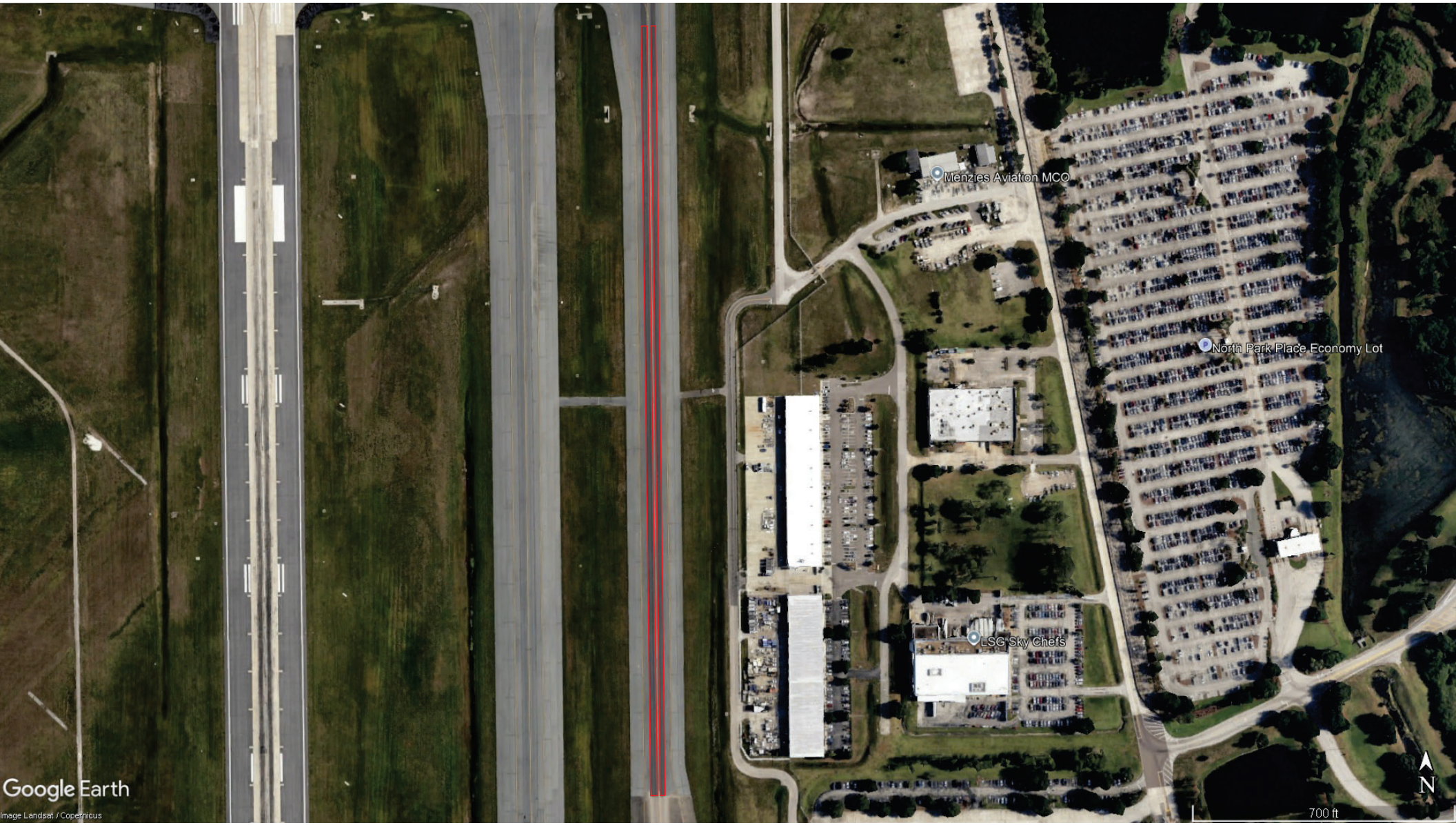
CHANGE ORDER ESTIMATE DETAILS

Description: H-419 Pavement Repair Txy B1

TMC Project #: 2129
Date: 04/27/26
Estimator: Jake S
Estimate #: 1
Revision #: 1

Type	#	DESCRIPTION	QTY	UM	UNIT PRICE	LABOR "L"	MATERIAL "M"	EQUIP "E"	SUB "S"	OTHER "O"	TOTAL
		Escorts and Asphalt									
L	1	Crew Leader	50.0	HR	$ 74.10	$ 3,705.00	$ -	$ -	$ -	$ -	**$ 3,705.00**
L	3	Laborer - Skilled	50.0	HR	$ 35.06	$ 5,259.00	$ -	$ -	$ -	$ -	**$ 5,259.00**
L	1	Truck Driver	70.0	HR	$ 42.30	$ 2,961.00	$ -	$ -	$ -	$ -	**$ 2,961.00**
E	3	Truck - 1/2 Ton	50.0	HR	$ 17.69	$ -	$ -	$ 2,653.50	$ -	$ -	**$ 2,653.50**
E	1	Truck - Water Tanker	50.0	HR	$ 56.58	$ -	$ -	$ 2,829.00	$ -	$ -	**$ 2,829.00**
E	1	Sweeper - Broom	50.0	HR	$ 88.43	$ -	$ -	$ 4,421.50	$ -	$ -	**$ 4,421.50**
M	1	Bob's Barricades - Rental Devices	1.0	LS	$ 5,310.00	$ -	$ 5,310.00	$ -	$ -	$ -	**$ 5,310.00**
S	1	TMC Paving Milling & 4" P401 PG 82-22	1.0	LS	$ 414,870.00	$ -	$ -	$ -	$ 414,870.00	$ -	**$ 414,870.00**
S	6	Sunrise Hauling	10.0	HR	$ 85.00	$ -	$ -	$ -	$ 5,100.00	$ -	**$ 5,100.00**
O	2	Anderson Rentals - Portojohns	1.0	LS	$ 315.00	$ -	$ -	$ -	$ -	$ 630.00	**$ 630.00**
O	1	Misc Materials	1.0	LS	$ 250.00	$ -	$ -	$ -	$ -	$ 250.00	**$ 250.00**
						$ -	$ -	$ -	$ -	$ -	**$ -**
		Survey & Design				$ -	$ -	$ -	$ -	$ -	**$ -**
L	1	Survey - Crew	30.0	HR	$ 216.01	$ 6,480.30	$ -	$ -	$ -	$ -	**$ 6,480.30**
S	1	C&S - Design annd Construction Services	1.0	LS	$ 89,400.00	$ -	$ -	$ -	$ 89,400.00	$ -	**$ 89,400.00**
						$ -	$ -	$ -	$ -	$ -	**$ -**
		Site Management and GC				$ -	$ -	$ -	$ -	$ -	**$ -**
L	1	Project Manager	25.0	HR	$ 98.47	$ 2,461.75	$ -	$ -	$ -	$ -	**$ 2,461.75**
L	1	Superintendent	50.0	HR	$ 95.48	$ 4,774.00	$ -	$ -	$ -	$ -	**$ 4,774.00**
L	1	Site Safety Manager	25.0	HR	$ 103.54	$ 2,588.50	$ -	$ -	$ -	$ -	**$ 2,588.50**
E	1	Truck - 1/2 Ton	100.0	HR	$ 17.69	$ -	$ -	$ 1,769.00	$ -	$ -	**$ 1,769.00**
						$ 28,229.55	**$ 5,310.00**	**$ 11,673.00**	**$ 509,370.00**	**$ 880.00**	**$ 555,462.55**


Bear Road
Access Gate - Keycard
Menzies Aviation MCO
North Park Place Economy Lot
LSG Sky Chefs
Southwest Cargo
Google Earth
Image Landsat / Copernicus
N
1000 ft


Menzies Aviation MCO
North Park Place Economy Lot
LSG Sky Chefs
Google Earth
Image Landsat / Copernicus
N
700 ft

SENT VIA EMAIL ONLY

March 3, 2026

The Middlesex Corporation
Peter Donkor | Senior Project Manager
10801 Cosmonaut Blvd.
Orlando, FL 32824

Re: Orlando International Airport
H-00419, Pavement Repair Taxiway B1 (D/B)
Design and Construction Administration Phase Services

C&S File: L94.MKT.PRO

Dear Mr. Donker:

C&S Companies appreciates the opportunity to submit the attached proposal for the Design and Construction Administration Phase Services for the above referenced project. Our team is prepared to start on this fast-paced project when we win it. It is our understanding that we will not start prior to a contract and formal board approval.

The Basic Services described herein shall be completed and be submitted based on the schedule in Schedule A which is included in Attachment No. 01. If you should request any modifications or changes to the general scope or extent of the Project, the time allowed for performance of our services will be adjusted equitably.

In exchange for performance of our design and construction phase services, you agree to pay us for Basic Services a Lump Sum fee for these services per the following tasks:

Design Services	$ 70,692.00	
Construction Services	~~$ 25,708.00~~	$18,708.00
Total:	~~$ 96,400.00~~	$89,400.00

Our team is prepared to meet this accelerated schedule and bring another successful project to GOAA from both C&S and Middlesex.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

C&S ENGINEERS, INC.

Douglas R. Saunders, P.E., dsaunders@cscos.com
Department Manager

encl:

cc: Jake Shumway, Cary Strzepek

ATTACHMENT NO. 01 - Schedule A – Scope of Work

SCOPE OF WORK
H-00419, Pavement Repair Taxiway B1 (D/B)
March 3, 2026

Airport Name: **Orlando International Airport**
Services Provided: **Design and Construction Administration**

Project Description:
The CONSULTANT shall provide required services to design the H-00419, Pavement Repair Taxiway B1 (D/B) at MCO project (the "Project").

The project entails the following:

- ✈ Mill and resurface a portion of South Perimeter Road.
- ✈ Construction Safety Phasing Plan
- ✈ Restriping
- ✈ Assumptions used in preparation of this proposal are included on the last page.

Services to be provided by the CONSULTANT shall include civil engineering services, as applicable, required to accomplish the following items ("Basic Services"):

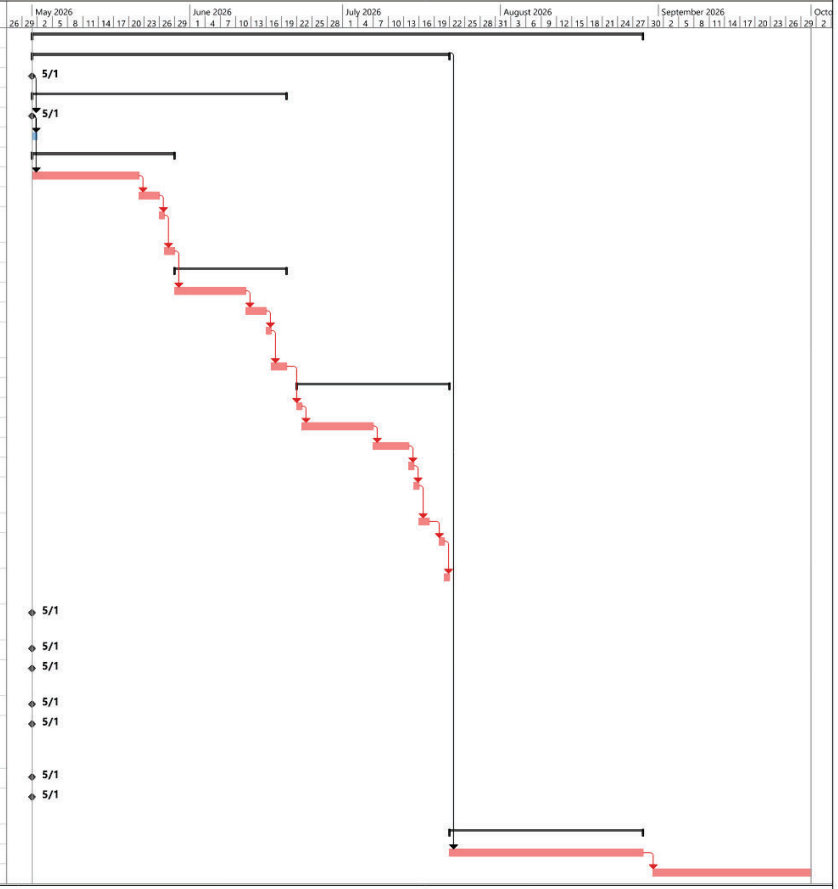
The design schedule is shown on the following pages but will be adjusted to follow Middlesex and GOAA standards requirements.

Scope of Work Plan

SCOPE OF WORK
H-00419, Pavement Repair Taxiway B1 (D/B)
March 3, 2026

H-00419, Pavement Repair Taxiway B1 (D/B)
Design Schedule

ID	Task Mode	Task Name	Working Days	Calendar Days	Start	Finish	Predecessors
1		**Contract Duration**	**86 days**	**120 days**	**Fri 5/1/26**	**Fri 8/28/26**	
2		**Design Schedule**	**58 days**	**82 days**	**Fri 5/1/26**	**Tue 7/21/26**	
3		Notice to Proceed	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
4		**Design Development Phase**	**36 days**	**50 days**	**Fri 5/1/26**	**Fri 6/19/26**	
5		**Start of Design**	0 days	0 days	Fri 5/1/26	Fri 5/1/26	3
6		GOAA Kickoff Meeting	1 day	1 day	Fri 5/1/26	Fri 5/1/26	5
7		**Early Package**	**20 days**	**28 days**	**Fri 5/1/26**	**Thu 5/28/26**	
8		Design	15 days	21 days	Fri 5/1/26	Thu 5/21/26	5
9		QC	2 days	4 days	Fri 5/22/26	Mon 5/25/26	8
10		Submit to Middlesex for Review	1 day	1 day	Tue 5/26/26	Tue 5/26/26	9
11		Discuss with Middlesex	2 days	2 days	Wed 5/27/26	Thu 5/28/26	10
12		**Final Documents**	**16 days**	**22 days**	**Fri 5/29/26**	**Fri 6/19/26**	
13		Design	10 days	14 days	Fri 5/29/26	Thu 6/11/26	11
14		QC	2 days	4 days	Fri 6/12/26	Mon 6/15/26	13
15		Submit to Middlesex for Review	1 day	1 day	Tue 6/16/26	Tue 6/16/26	14
16		Discuss with Middlesex	3 days	3 days	Wed 6/17/26	Fri 6/19/26	15
17		**GOAA Horizontal Permit**	**22 days**	**30 days**	**Mon 6/22/26**	**Tue 7/21/26**	
18		Submit to GOAA	1 day	1 day	Mon 6/22/26	Mon 6/22/26	16
19		Receive comments	10 days	14 days	Tue 6/23/26	Mon 7/6/26	18
20		Resolve comments	5 days	7 days	Tue 7/7/26	Mon 7/13/26	19
21		QC	1 day	1 day	Tue 7/14/26	Tue 7/14/26	20
22		Submit to Middlesex for Review	1 day	1 day	Wed 7/15/26	Wed 7/15/26	21
23		Discuss with Middlesex	2 days	2 days	Thu 7/16/26	Fri 7/17/26	22
24		Submit Construction Documents	1 day	1 day	Mon 7/20/26	Mon 7/20/26	23
25		Receive GOAA Horizontal Permit	1 day	1 day	Tue 7/21/26	Tue 7/21/26	24
26		**Other Permits - NOT APPLICABLE**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
27		**OUC Light Coordination**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
28		Not Applicable. Assuming no Light pole relocations	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
29		**City of Orlando Permit**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
30		Not Applicable. Assumming no City of Orlando Permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
31		**SFWMD**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
32		Not Applicable. Assuming no SFWMD permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
33		**Construction**	**28 days**	**38 days**	**Wed 7/22/26**	**Fri 8/28/26**	
34		Substantial Completion	28 days	38 days	Wed 7/22/26	Fri 8/28/26	2
35		Final Completion	23 days	31 days	Mon 8/31/26	Wed 9/30/26	34



Project: Design Schedule
Date: Mon 3/2/26

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Page 1

DESIGN DEVELOPMENT PHASE (80%)

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Schedule and conduct a pre-design meeting with GOAA to review the scope of services and become familiar with the Project requirements and operational concerns during the Project's construction.
6. An existing basemap will be developed in CAD from all as-built information including high resolution aerial photographs.
7. Conduct site inspections to verify project-related existing physical features and facilities.
8. Develop horizontal pavement geometrical layouts and place sufficient information on drawings to layout proposed roadway.
9. Develop mill and resurface pavement design.
10. Develop a construction safety and phasing plan
11. ~~Develop preliminary marking plans.~~
12. Prepare preliminary Contract Drawings (approximately 80% complete) providing sufficient detail for review of design concepts by GOAA. Drawings on 30" x 42" Paper. It is anticipated that the drawings will consist of the following sheets:

Approx. Number of Sheets	Name
1	Cover Sheet
1	Sheet Index and General Notes
1	Legend and Abbreviations
1	Overall Site Plan and Key map
2	Demolition Plan
1	Demolition Details
2	Paving Plan
1	Typical Sections
2	Marking Plans
2	Marking Details
3	Construction Safety Phasing Plans

1	Airspace Critical Locations Plan
2	Maintenance and Protection of Traffic Details
20	**Total Sheets**

13. Develop Division 1 documents.
14. Develop technical specifications expected to be required for the proposed work using FAA and other sources.
15. Perform an internal quality control review on all design documents.
16. Submit sufficient copies of design development documents to GOAA for their review and comment.
17. Schedule and conduct a design development review meeting to discuss and resolve GOAA comments.
18. Provide written responses to all comments received.

CONSTRUCTION DOCUMENTS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Detail and finalize pavement details, rehabilitation details and pavement sections.
6. Finalize marking plans.
7. Finalize maintenance of protection plan that limits interference with the travelling public. in Specifications and on the Contract Drawings.
8. Prepare final Contract Drawings on 30" x 42" paper.
9. Finalize Division 1 documents.
10. Finalize written Technical Specifications for all construction materials and installations.
11. Provide documents for GOAA to submit both the construction safety phasing plan and 7460 form electronically to the FAA.
12. Perform final internal quality control review on all design documents.

13. Submit draft final documents to GOAA, FAA and FDOT for final review and comment.
14. Schedule and conduct draft final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
15. Provide written responses to all comments received.
16. Incorporate all draft final review comments into the 100% plans.
17. Schedule and conduct final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
18. Deliver 100% plans to GOAA Engineering department to obtain their approval and stamp.
19. Obtain comments from GOAA Horizontal permit review.
20. Address comments received from GOAA Horizontal permit review.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Design Development Phase (80%)
    i. Pre-design meeting with GOAA / Middlesex
    ii. Weekly coordination meetings with Middlesex
    iii. Technical Review Team (GOAA) (TRT) review meeting
2. Construction Documents
    i. Weekly coordination meetings with Middlesex
    ii. General meeting to discuss phasing and other project elements with GOAA, tenants, and other stakeholders.
    iii. TRT review meeting – draft final
    iv. TRT review meeting - final

CONSTRUCTION ADMINISTRATION AND RECORD DRAWINGS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Provide Middlesex monthly project status reports.
3. Attend the Pre-Construction Conference meeting conducted by the Owner prior to the start of construction activities.
4. Attend the Owner's Job Coordination Meeting (JCM) meetings during the term of the construction contract. These meetings are planned to be held every week. It is assumed that there will be ten (10) JCM Meetings.

5. Make visits to the site at intervals appropriate to the various stages of construction to observe.
    a. It is assumed that site visits shall occur on the same day as the JCM meetings listed above.
6. Review and take other appropriate action in respect of Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept for the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.
7. Review requests for information and field changes.
8. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, but subject to the provisions of the Contract Documents.
9. Conduct a final inspection to determine if the completed Work of the Contractor is acceptable.
10. Prepare the Record Documents based upon the As-Built Drawings and Documents received from the contractor.
11. Review all Close-out Documents and Manuals for conformance with the Contract Documents.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Pre-Construction Conference Meeting – 1 meeting
2. JCM Meeting – 10 meetings
3. Site Visits – Concurrent with the JCM Meetings above.
4. Pre-Final Inspection – 1 meeting
5. Final Inspection – 1 meeting

ASSUMPTIONS:

The conditions or considerations in developing the scope and fee for the project described above include:

1. No survey is included in this proposal.
2. No geotechnical investigation is included in this proposal.

3. No right-of-way or other deed research is included in this proposal.
4. The placement of boundary monumentation is not required.
5. GOAA will supply any deeds, maps, recorded and unrecorded information and an up-to-date abstract of title that will assist in the progress of this project.
6. Soil sampling for contaminants will not be required for this project.
7. It is assumed that existing documentation for the area of work exists and will be provided to C&S upon award of the project.
8. The existing pavement does not require any grade corrections or drainage improvements, therefore grading and drainage plans are not required. Any work on the project will match existing grades and existing drainage structures will be maintained.
9. Permitting through the City of Orlando and South Florida Water Management District will not be required.

EXCLUSIONS / ADDITIONAL SERVICES

1. Environmental review, NEPA and state, including the collection and review of available documents such as published wetland maps, soil conservation survey maps, and previous master plan and environmental archaeological studies, to identify potential impacts the Project may have on the environment.
2. NEPA or any other environmental compliance reports, studies, and environmental reviews, state or federal.
3. Underground utility locating (soft digs, potholing, etc.)
4. Underground utility inspections using a video camera.
5. Drainage studies, including hydrology or hydraulics unless otherwise identified above in scope of work.
6. All design changes and value engineering efforts after the Design Development Phase is excluded from this scope.

PROPOSAL

Middlesex Paving, LLC

10801 Cosmonaut Blvd.

Orlando, FL

Phone: **(407) 206-0077**

Submitted To: TMC FL (Construction)
10801 Cosmonaut Blvd.
Orlando, FL 32824

Job Name: GOAA, H-417 & H-419
Proposal No.: PV1133

Middlesex Contact: Victor Thillett

Attention:

Includes up to 2 Paving Mobilization(s).
Based on Completion by Sept, 2026.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Paving schedule is subject to availability and allocation of incoming aggregate deliveries for asphalt production schedule.				
	H417				
H417	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H417	3" MILLING	7,683.00	SY	7.00	53,781.00
H417	3" P-403 ASPHALT	1,350.00	TN	205.00	276,750.00
	Total for H417				**350,531.00**
	H419				
H419	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H419	4" MILLING	6,974.00	SY	5.00	34,870.00
H419	4" P-401 ASPHALT (PG 82-22)	1,600.00	TN	225.00	360,000.00
	Total for H419				**414,870.00**
GRAND TOTAL					**$765,401.00**

NOTES:

ACCEPTANCE OF PROPOSAL:
This proposal and pricing is accepted by the following signature with agreement to all notes and clarifications as stated herein.

Company Name: _____

Accepted By: _____ Date of Acceptance: _____
Authorized Representative's Signature

Printed Name: _____

MOBILIZATIONS
* If additional paving mobilizations are required exceeding those noted above then an added charge of $4,500 will be required

for each extra Mobilization.
* The Milling item(s) of work is based on all being performed at the same time in a single mobilization. If additional milling mobilizations are required then an additional $5,500 will be charged for each extra.

GENERAL NOTES
* THIS IS A UNIT PRICE PROPOSAL
* If work is not completed prior to completion date of contract, Middlesex will review any cost impacts and has the right to revise the unit costs for remaining work.
* This Proposal is based on quantities supplied by the contractor and unit costs will apply to any overrun.
* Thicknesses quoted are "Nominal" thicknesses per FDOT specifications.
* Price is based on yield of 110 lbs/sy (per inch thickness). If this maximum is exceeded due to base or jobsite conditions, then any additional asphalt used will be charged as an overrun/extra work.
* This Proposal does not include Payment and Performance Bond; if required add 1.5% to the contract price. Min. Cost is $500.
* Work is to be done during normal business hours Mon.-Fri. (7AM-6PM) or Sun. night thru Thurs. night (per lane closure restrictions).
* This proposal is based on all work being performed with a single paving crew, if additional crews are required to accommodate the Contractor's schedule then this will need to be agreed prior and any additional costs agreed.
* Prior to placement of any friction course traffic shall be in final configuration.
* This proposal does not include any Engineering evaluation of bridges within or adjacent to the project work area with consideration to "walking" the milling and paving equipment across. If such Engineering evaluation is required for access across any bridges then that responsibility will be borne by the General Contractor.
* Please note that Middlesex typically shuts down the asphalt plant and paving operations for the week of Christmas/New Year's and for the week of July 4th. This consideration shall be included in the project schedule.
* Middlesex must have at least 3 weeks advance notice in order to better assure timely scheduling of the work required for each mobilization/phase of paving.
* Once scheduled for work, any cancellation must be made prior to 48 hrs before scheduled mobilization; otherwise, a mobilization may be charged against the project and any subsequent re-scheduling will be subject to consideration of the above noted 3 weeks advance notice requirement.
* If this project includes the placaement of FC-5 Friction then be aware that Middlesex Paving follows the FDOT Specification for 65 degree temperature threshold and we must have a forecast with consistent temperatures meeting this threshold for the entire work allowance...no partial shifts. Typically, night-time placement of FC-5 Friction is not available (due to temperatures) from mid-November through March.
* The Contract item(s) for milling includes the trucking, cleanup and disposal of milled material. All milled asphalt becomes property of Middlesex. Milling shall be accessible by main line milling machine and Middlesex will not be responsible for areas that can't be accessed. Day-rate Milling is for milling machine only (no trucking, no clean-up).
* Miscellaneous asphalt is for placement of asphalt only. Grading and compacting the subgrade and application of an appropriate herbicide (per FDOT specifications) is the responsibility of the GC. The Misc. Asphalt item is based on the guardrail being installed after the placement of the asphalt and this does not include any patching by Middlesex.
* Location, adjustment, protection and relocation of utilities is not the responsibility of Middlesex.
* Price based on placing asphalt on a firm and unyeilding base/subgrade (prepared by others) meeting plan template and capable of supporting conventional asphalt paving equipment and tri-axle dump trucks.
* Middlesex will not be responsible for tack on adjacent roadways due to normal paving operations.
* Contractor to provide sufficient number of staging areas for Middlesex to park equipment close to each day's paving location and to allow for truck clean-out prior to leaving the project site.
* When accessing the paving areas, Middlesex will not be responsible for any miscellaneous concrete damaged by paving equipment or trucks. This includes curb and gutter, concrete pavement or brick pavers that are existing or constructed prior to paving operations.
* The GC is to provide a clean water source within reasonable access of the project for Middlesex's use to maintain operation of the rollers, broom, milling machine, and any other equipment, as needed.
* Due to existing conditions, Middlesex can not be responsible for 100% drainage of surface water following resurfacing.
* Middlesex will not be responsible for any puddling on areas where the grades are a 1.5% or less slope on plans or in the field conditions. Middlesex will not be responsible to notify customers of any conditions that exist that may present this problem.
* All of the above prices are based on the use of RAP (Recycled Asphalt) in the production of the hot-mix asphalt, per current FDOT Standards. Friction Courses are quoted per the current FDOT specifications, which allows the use of RAP in production.
* All of the above prices are based on the use of standard AC (liquid asphalt) binder in the production of the hot-mix asphalt, per FDOT Standards.
* Prices quoted are based on current prices on liquid asphalt, aggregates, and diesel fuel. Such prices are not guaranteed by the suppliers and are subject to sudden adjustment during the term of the contract. If the costs of these materials increases,

Middlesex has the right to adjust the unit costs accordingly.
* This proposal is furnished as a complete scope of work as defined above and shall be contracted to Middlesex in its entirety. Individual line items cannot be removed unless specific changes are approved by Middlesex.
* This Estimate/Proposal is contingent upon acceptance or issuance of an agreeable Subcontract which shall include the provisions of this Estimate/Proposal. This Estimate/Proposal will supercede any other provisions of the Subcontract. Prior to any work being performed by Middlesex on the project this Estimate/Proposal must be accepted or a Subcontract must be executed.
* Payment Terms shall be the 30 days from date of Middlesex invoice, unless agreed to otherwise.
* If a Subcontract or other agreement is not executed within 30 days then this proposal is subject to be reviewed for adjustment.
* All prep for paving by others, other than stated herein. All access, traffic, and safety control by others. This includes lane closure provided on highways to allow trucks to enter/exit the work zone, even if the work zone is out of and away from active traffic; if the trucks are entering/exiting directly to or from active traffic then a lane closure is to be provided.
* This proposal includes standard testing performed by Middlesex's certified Quality Control lab and technicians.
* Middlesex does not include any provision for asphalt (installation or removal) that may be required to maintain traffic (i.e. temporary wedges). If this is required, such work will be considered extra and will need to be priced separately.
* Prices do not include engineering or layout.
* All staking, layout and establishment of grades to be done by others and clearly indicated before paving (every 100' in tangents and 25'in radius). We will accept no responsibilty for improper engineering and/or areas where no grades were indicated before commencement of work.
* Sawcutting of existing pavement is not included and is the responsibility of the site contractor.
* Middlesex is not responsible for the clean up and/or disposal of sweepings generated from sweeping the base, prime and sand, or intermediate asphalt lifts. Such sweepings will be broomed out of the way of paving and cleaned up by others.
* This proposal specifically excludes RailRoad Insurance and any special requirements for working in or around RR right-of-way.

SUNRISE HAULING & EXCAVATING INC.

PROPOSAL / CONTRACT

345 Enterprise Street
Ocoee, FL 34761
Phone:(407) 775-1401
Fax: (407) 395-2331

~~Date: April 30, 2024~~
Estimate Number: 41420232
Customer Name: Middlesex Corporation
ADDRESS: 10801 Cosmonaut Blvd
CITY/STATE/ZIP: Orlando, Fl 32824 Florida
PHONE: 407-757-1579
E-MAIL: rflrml@middlesexco.com

REV 2
JF
4-30-24

PREPARED BY:
Alberto Puentes
Regional Sales Manager
sunrisehaulingestimating@gmail.com
Mobile (407)714-0970

PROJECT
~~GOAA BP 498 Project~~

LOCATION
Orlando Airport
Orlando Fl.

PAYMENT TERMS
Net 30

JP 4/30

MINORITY CERTIFY ~~M.B.E./~~LDB, ORLANDO AVIATION, ORANGE COUNTY, ~~MWBE~~ CITY OF ORLANDO, DBE/F-DOT

QTY	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY	TOTAL DELIVERED PRICE

00 Hr

	Fuel Escalation charge of 3% for every 7cents increase from start through duration of Job. Verified by eia.gov lower atlantic fuel website				

MATERIAL BASED ON AVAILABILTY - Rates based on 10 hour dump days

NOTE: ALL Rates based on service upon truck availabilty and/or loading condions at the quarry. Upon acceptance of proposal and before placement of order(s). Please sign and return to our office along with NTO or bond informationvia email. **Plese note that before ordering service for any project you must submit a Notice of Commencement stating all the legal description for that particular project.** Fuel Escalation above, Verified by eia.gov lower atlantic fuel website Please remember that acceptance of proposal **does not** represent an order. To place an order you must contat our office or dispatcher with at leaset one day notice. Prices are subject to change if rate(s) increase from the quarry and or change at the dump site(s). Hauling rates are subject to change depending on current fuel prices. Validation of quoted pricing is subject to proposal being accepted and returned with signature within 30 days of sending date.

SPECIAL PROVISIONS: Prices Quoted are US Tons (Not Metric) Prices Quoted Do Not Allow Retainage

PAYMENT TO BE MADE AS FOLLOWS: NET 30

All work is done with the understanding that the customer is fully responsible to verify that all labor, materials, quantities, equipment, time and all other work furnished meets the requirements of the job stated above. Upon customer satifaction, customer and/or authorized persons will acknowledge by signing the delivery tickets for all work/materials furnished. after the signing of the delivery tickets, customer is fully liable for all work state thereon. There will be no credits issured and no dicrepancies after signing of said tickets. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. This proposal is acceptable within 30 days and is void thereafterat the option of the undersigned. In the event it becomes necessary for Sunrise Hauling & Excavating Inc. to engage the service of an attorney to collect any sums due under this contract, the customer will pay reasonable attorney's fees and all costs in making such collection.

Sign Below to Accept Proposal:

Bob's BARRICADES, INC.

921 SHOTGUN ROAD
SUNRISE, FLORIDA 33326

~~2.26.26~~ ~~GOAA-BP-498 Taxiways G&H Rehabilitation Phase 2~~ 10 days GOAA

DOT #	DESCRIPTION	U/M	Est Qty	Price	Ext Prices
	Delivery / Pick up	ea	2	$375.00	$750.00
	Low Profile Barricades (water fillable)	ed	~~1000~~ 1600	$2.25	~~$2,250.00~~ $3600
	Red lens light (battery powered)	ed	~~2000~~ 3200	$0.30	~~$600.00~~ $960
					~~$3,600.00~~
					$5,310

Maximum amount of low profile airport barricades is 100.
Water, sandbagging and or setup not included in the above prices.

Quote is firm for (20) days. Quoted prices are firm for the life of the job upon acceptance.

Airport lights are battery powered.

By agreeing to this quote, it becomes a part of any resulting contract.

This quotation in no way authorizes the use of any Bob's Barricades personnel

and/or their certification as worksite traffic safety supervisor.

30 minimum business day notice is required prior to delivery of airport barricades.

All applicable sales tax will be added where required.

quoted by John Baldwin jbaldwin@bobsbarricades.com;

800-432-5031; fax 954-473-8737

Outlook

RE: Quote for Portojohns

From Anderson Sales <sales@anderson-rentals.com>
Date Mon 2024-09-09 3:02 PM
To Jake Shumway PMP <jshumway@middlesexco.com>; Anderson Sales <sales@anderson-rentals.com>

CAUTION: This is an external email sent from outside Middlesex.
DO NOT click on links or download attachments unless you recognize the sender, were expecting it, and know the content is safe.

Towable Portable Restroom:
$100.00 each + sales tax, one time delivery charge (includes pickup)
$165.00 each + sales tax for portable restroom with 1 x week service
$215.00 each + sales tax for portable restroom with 2 x week service

Megan Burnell
1-800-553-2213

From: Jake Shumway PMP <jshumway@middlesexco.com>
Sent: Monday, September 9, 2024 2:54 PM
To: Anderson Sales <sales@anderson-rentals.com>
Subject: Quote for Portojohns

Ashley,

Could you please quote us a two portojohn on a trailer that we can bring out to the Orlando International airfield? We need it for two weeks in December and then two weeks in January with two cleanings per week. We could bring them out by our trailer at 11400 Terminal C Service Road Orlando FL 32827, so that they could be cleaned.

Thank you,

Jake Shumway

Jake Shumway PMP | Project Manager
10801 Cosmonaut Blvd. Orlando, FL 32824
p: 978-230-5000

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	H-00419 - Pavement Repair Taxiway B1 (D/B)	DATE: 04/28/2026
CONTRACTOR:	The Middlesex Corporation	
A/E: N/A		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative (RCO 1). Provide all labor, material, equipment and establish unit cost items for pavement repair at Taxiway B1**.** The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $597,097.75

Item #2 – Allowance Reduction – Reduce the Allowance by ($597,097.75) from $1,200,000.00 to $602,902.25 to cover the cost of Item #1 above.

Deduct: ($597,097.75)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operation and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 602,902.25		
GOAA/OAR Estimate	$ 559,134.40		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	69,920.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	0.00
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	
PREPARED BY: John Bayley		PHONE: 4053	

CC
ITEM III-G
04/28/2026

Published By: John Bayley, PMP, C.M.
Reviewed By: Jeffrey Reine

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

John Bayley
Project Manager
GOAA OAR

April 23rd, 2026

Re: H-419 Pavement Repair Txy B1 – RCO 001 Revision 2

Dear Mr. Bayley,

Per your request, The Middlesex Corporation ("TMC") hereby provides its cost proposal of **$597,097.75** for milling and resurfacing Taxiway B1 as depicted in an attached drawing. The qualifications and exclusions are listed below:

- An approx. 6,950 SY area will be milled 4" and resurfaced with P401 (82-22) Asphalt
- The expected duration for construction is 7 calendar days
- The assumed access is shown in an attached drawing
- Excludes utility relocations, damage to unknown utilities, joint sealant, removal/disposal of contaminated materials, dewatering, pavement markings, and removal/reinstallation of light cans

If you have any questions about the above proposal, please feel free to call me at 978-230-5000.

Sincerely,

THE MIDDLESEX CORPORATION

Jake Shumway

Project Manager

Cc. Peter Donkor – Senior Project Manager
Cary Strzepek – Project Executive
Neil Mulrooney – Sr. VP Construction

H-00419 SCHEDULE OF VALUES					
PAY ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	MOBILIZATION & GCS	LS	1	$59,709.77	$59,709.77
2	DESIGN	LS	1	$94,764.00	$94,764.00
3	MOT	LS	1	$24,061.78	$24,061.78
4	ASPHALT DEMO	SY	6974.0	$5.30	$36,962.20
5	ASPHALT PAVING	TON	1600	$238.50	$381,600.00
TOTAL					$597,097.75

CHANGE ORDER ESTIMATED COST SUMMARY

TMC Project #:	2129
Contract #:	H-419
Financial Project #:	N/A
Contract Description:	Taxiway B1 Pavement Repair
Owner:	GOAA

Estimator:	Jake S
Estimate #:	1
Revision #:	1
Date:	4/23/2026

Brief Scope of Work: H-419 Pavement Repair Txy B1

Does this Change affect the Contract Time? No **If so, number of days (+/-):** 0

WORK DESCRIPTION			LABOR	MATERIAL	EQUIP.	SUBS	OTHER	SUBTOTAL
Summary By Discipline from Details Page:			$ 28,271.45	$ 5,310.00	$ 12,026.80	$ 509,370.00	$ 880.00	**$ 555,858.25**
Markups:								
Direct Labor		10.0%	$ 2,827.15					**$ 2,827.15**
Materials		6.0%		$ 339.22			$ 52.80	**$ 339.22**
Equipment		10.0%			$ 1,202.68			**$ 1,202.68**
Subcontracts		6.0%				$ 30,562.20		**$ 30,562.20**
Sales Tax	$25	6.0%		$ 343.60				**$ 343.60**
SUBTOTALS:			**$ 31,098.60**	**$ 5,992.82**	**$ 13,229.48**	**$ 539,932.20**	**$ 932.80**	**$ 591,185.89**

UNIT PRICE ADJUSTMENTS	Quantity	Unit Measure	Unit Price	SUBTOTAL
Pay Item:				**$ -**
None				**$ -**
SUBTOTAL:				**$ -**

UNIT PRICE ADJUSTMENTS			SUBTOTALS
	Estimate Subtotal		**$ 591,185.89**
	Unit Price Subtotal		**$ -**
	Insurance & Bond	1.0%	**$ 5,911.86**
TOTAL PROPOSAL COST:			**$597,097.75**

THE MIDDLESEX CORPORATION

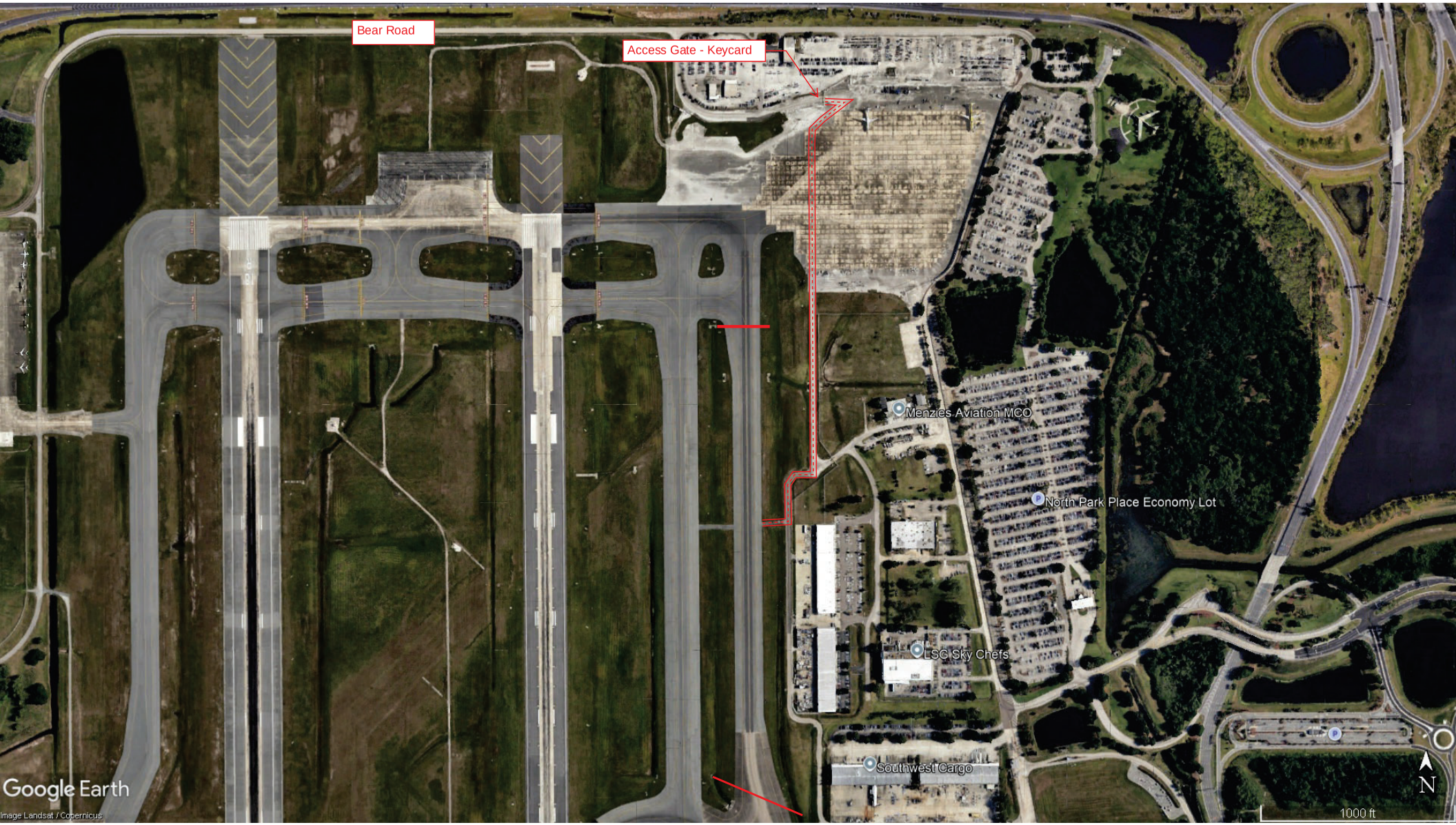
Jake Shumway
Project Manager

CHANGE ORDER ESTIMATE DETAILS

Description: H-419 Pavement Repair Txy B1

TMC Project #: 2129
Date: 04/23/26
Estimator: Jake S
Estimate #: 1
Revision #: 1

Type	#	DESCRIPTION	QTY	UM	UNIT PRICE	LABOR	"L"	MATERIAL	"M"	EQUIP	"E"	SUB	"S"	OTHER	"O"	TOTAL
		Escorts and Asphalt														
L	1	Crew Leader	50.0	HR	$ 74.10	$ 3,705.00		$ -		$ -		$ -		$ -		$ 3,705.00
L	3	Laborer - Skilled	50.0	HR	$ 35.06	$ 5,259.00		$ -		$ -		$ -		$ -		$ 5,259.00
L	1	Truck Driver	70.0	HR	$ 42.30	$ 2,961.00		$ -		$ -		$ -		$ -		$ 2,961.00
E	3	Truck - 1/2 Ton	50.0	HR	$ 17.69	$ -		$ -		$ 2,653.50		$ -		$ -		$ 2,653.50
E	1	Truck - Water Tanker	50.0	HR	$ 56.58	$ -		$ -		$ 2,829.00		$ -		$ -		$ 2,829.00
E	1	Sweeper - Broom	50.0	HR	$ 88.43	$ -		$ -		$ 4,421.50		$ -		$ -		$ 4,421.50
M	1	Bob's Barricades - Rental Devices	1.0	LS	$ 5,310.00	$ -		$ 5,310.00		$ -		$ -		$ -		$ 5,310.00
S	1	TMC Paving Milling & 4" P401 PG 82-22	1.0	LS	$ 414,870.00	$ -		$ -		$ -		$ 414,870.00		$ -		$ 414,870.00
S	6	Sunrise Hauling	10.0	HR	$ 85.00	$ -		$ -		$ -		$ 5,100.00		$ -		$ 5,100.00
O	2	Anderson Rentals - Portojohns	1.0	LS	$ 315.00	$ -		$ -		$ -		$ -		$ 630.00		$ 630.00
O	1	Misc Materials	1.0	LS	$ 250.00	$ -		$ -		$ -		$ -		$ 250.00		$ 250.00
						$ -		$ -		$ -		$ -		$ -		$ -
		Survey & Design				$ -		$ -		$ -		$ -		$ -		$ -
L	1	Survey - Crew	20.0	HR	$ 216.01	$ 4,320.20		$ -		$ -		$ -		$ -		$ 4,320.20
L	1	Survey - Chief	20.0	HR	$ 110.10	$ 2,202.00		$ -		$ -		$ -		$ -		$ 2,202.00
E	1	Truck - 1/2 Ton	20.0	HR	$ 17.69	$ -		$ -		$ 353.80		$ -		$ -		$ 353.80
S	1	C&S - Design annd Construction Services	1.0	LS	$ 89,400.00	$ -		$ -		$ -		$ 89,400.00		$ -		$ 89,400.00
						$ -		$ -		$ -		$ -		$ -		$ -
		Site Management and GC				$ -		$ -		$ -		$ -		$ -		$ -
L	1	Project Manager	25.0	HR	$ 98.47	$ 2,461.75		$ -		$ -		$ -		$ -		$ 2,461.75
L	1	Superintendent	50.0	HR	$ 95.48	$ 4,774.00		$ -		$ -		$ -		$ -		$ 4,774.00
L	1	Site Safety Manager	25.0	HR	$ 103.54	$ 2,588.50		$ -		$ -		$ -		$ -		$ 2,588.50
E	1	Truck - 1/2 Ton	100.0	HR	$ 17.69	$ -		$ -		$ 1,769.00		$ -		$ -		$ 1,769.00
						$ 28,271.45		**$ 5,310.00**		**$ 12,026.80**		**$ 509,370.00**		**$ 880.00**		**$ 555,858.25**


Bear Road
Access Gate - Keycard
Menzies Aviation MCO
North Park Place Economy Lot
LSG Sky Chefs
Southwest Cargo
Google Earth
Image Landsat / Copernicus
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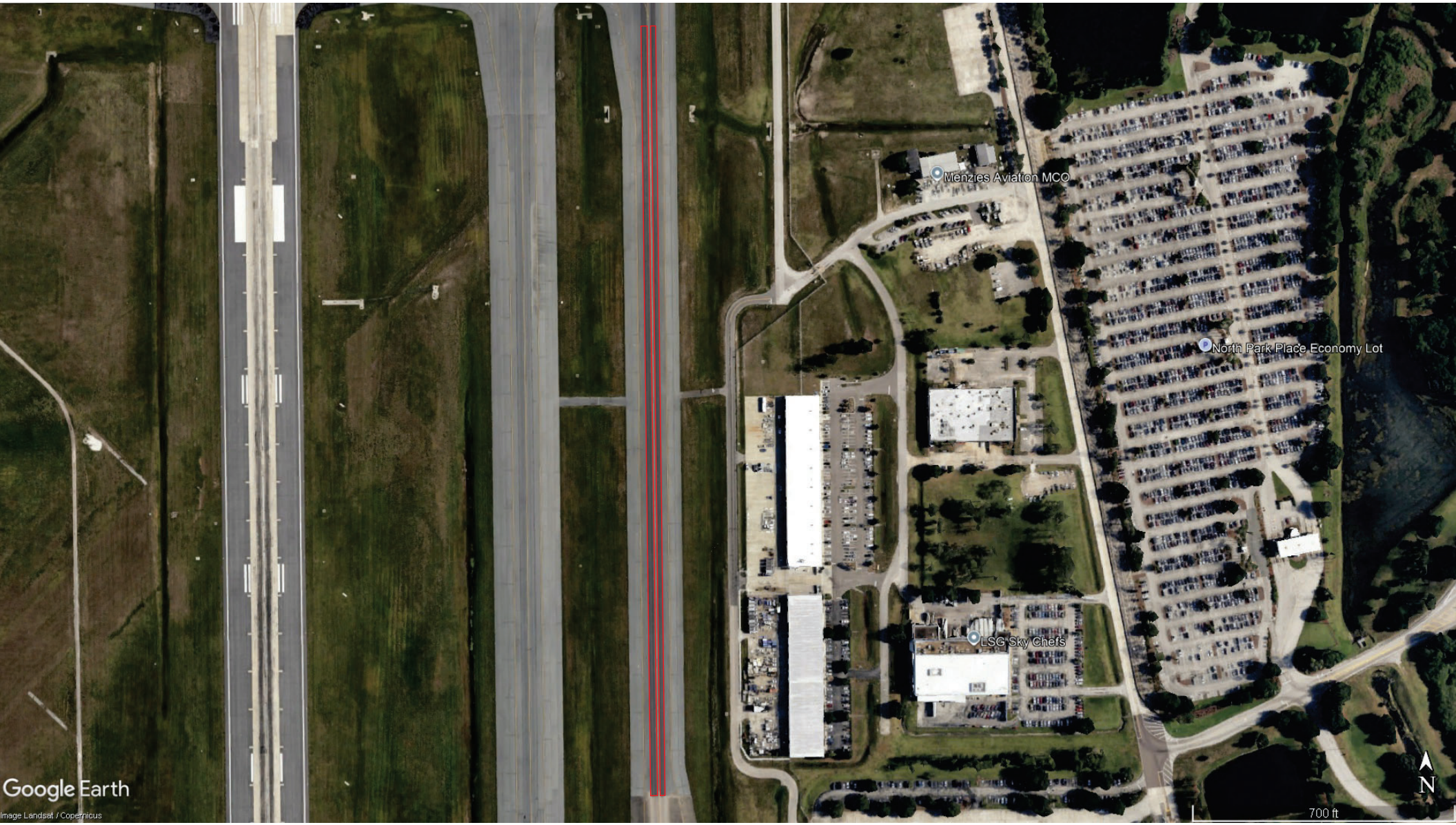

Menzies Aviation MCO
North Park Place Economy Lot
LSG Sky Chefs
Google Earth
Image Landsat / Copernicus
N
700 ft

SENT VIA EMAIL ONLY

March 3, 2026

The Middlesex Corporation
Peter Donkor | Senior Project Manager
10801 Cosmonaut Blvd.
Orlando, FL 32824

Re: Orlando International Airport
H-00419, Pavement Repair Taxiway B1 (D/B)
Design and Construction Administration Phase Services

C&S File: L94.MKT.PRO

Dear Mr. Donker:

C&S Companies appreciates the opportunity to submit the attached proposal for the Design and Construction Administration Phase Services for the above referenced project. Our team is prepared to start on this fast-paced project when we win it. It is our understanding that we will not start prior to a contract and formal board approval.

The Basic Services described herein shall be completed and be submitted based on the schedule in Schedule A which is included in Attachment No. 01. If you should request any modifications or changes to the general scope or extent of the Project, the time allowed for performance of our services will be adjusted equitably.

In exchange for performance of our design and construction phase services, you agree to pay us for Basic Services a Lump Sum fee for these services per the following tasks:

Design Services	$ 70,692.00	
Construction Services	~~$ 25,708.00~~	$18,708.00
Total:	~~$ 96,400.00~~	$89,400.00

Our team is prepared to meet this accelerated schedule and bring another successful project to GOAA from both C&S and Middlesex.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

C&S ENGINEERS, INC.

Douglas R. Saunders, P.E., dsaunders@cscos.com
Department Manager

encl:

cc: Jake Shumway, Cary Strzepek

ATTACHMENT NO. 01 - Schedule A – Scope of Work

SCOPE OF WORK
H-00419, Pavement Repair Taxiway B1 (D/B)
March 3, 2026

Airport Name: **Orlando International Airport**
Services Provided: **Design and Construction Administration**

Project Description:
The CONSULTANT shall provide required services to design the H-00419, Pavement Repair Taxiway B1 (D/B) at MCO project (the "Project").

The project entails the following:

- ✈ Mill and resurface a portion of South Perimeter Road.
- ✈ Construction Safety Phasing Plan
- ✈ Restriping
- ✈ Assumptions used in preparation of this proposal are included on the last page.

Services to be provided by the CONSULTANT shall include civil engineering services, as applicable, required to accomplish the following items ("Basic Services"):

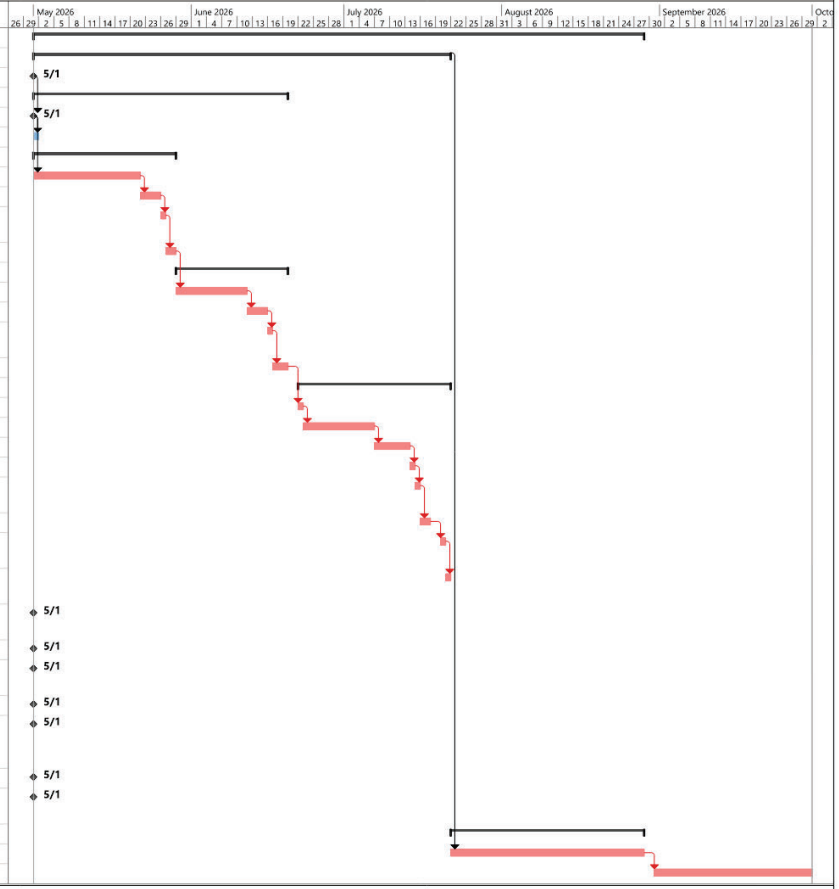
The design schedule is shown on the following pages but will be adjusted to follow Middlesex and GOAA standards requirements.

Scope of Work Plan

SCOPE OF WORK
H-00419, Pavement Repair Taxiway B1 (D/B)
March 3, 2026

H-00419, Pavement Repair Taxiway B1 (D/B)
Design Schedule

ID	Task Mode	Task Name	Working Days	Calendar Days	Start	Finish	Predecessors
1		**Contract Duration**	**86 days**	**120 days**	**Fri 5/1/26**	**Fri 8/28/26**	
2		**Design Schedule**	**58 days**	**82 days**	**Fri 5/1/26**	**Tue 7/21/26**	
3		Notice to Proceed	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
4		**Design Development Phase**	**36 days**	**50 days**	**Fri 5/1/26**	**Fri 6/19/26**	
5		**Start of Design**	0 days	0 days	Fri 5/1/26	Fri 5/1/26	3
6		GOAA Kickoff Meeting	1 day	1 day	Fri 5/1/26	Fri 5/1/26	5
7		**Early Package**	**20 days**	**28 days**	**Fri 5/1/26**	**Thu 5/28/26**	
8		Design	15 days	21 days	Fri 5/1/26	Thu 5/21/26	5
9		QC	2 days	4 days	Fri 5/22/26	Mon 5/25/26	8
10		Submit to Middlesex for Review	1 day	1 day	Tue 5/26/26	Tue 5/26/26	9
11		Discuss with Middlesex	2 days	2 days	Wed 5/27/26	Thu 5/28/26	10
12		**Final Documents**	**16 days**	**22 days**	**Fri 5/29/26**	**Fri 6/19/26**	
13		Design	10 days	14 days	Fri 5/29/26	Thu 6/11/26	11
14		QC	2 days	4 days	Fri 6/12/26	Mon 6/15/26	13
15		Submit to Middlesex for Review	1 day	1 day	Tue 6/16/26	Tue 6/16/26	14
16		Discuss with Middlesex	3 days	3 days	Wed 6/17/26	Fri 6/19/26	15
17		**GOAA Horizontal Permit**	**22 days**	**30 days**	**Mon 6/22/26**	**Tue 7/21/26**	
18		Submit to GOAA	1 day	1 day	Mon 6/22/26	Mon 6/22/26	16
19		Receive comments	10 days	14 days	Tue 6/23/26	Mon 7/6/26	18
20		Resolve comments	5 days	7 days	Tue 7/7/26	Mon 7/13/26	19
21		QC	1 day	1 day	Tue 7/14/26	Tue 7/14/26	20
22		Submit to Middlesex for Review	1 day	1 day	Wed 7/15/26	Wed 7/15/26	21
23		Discuss with Middlesex	2 days	2 days	Thu 7/16/26	Fri 7/17/26	22
24		Submit Construction Documents	1 day	1 day	Mon 7/20/26	Mon 7/20/26	23
25		Receive GOAA Horizontal Permit	1 day	1 day	Tue 7/21/26	Tue 7/21/26	24
26		**Other Permits - NOT APPLICABLE**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
27		**OUC Light Coordination**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
28		Not Applicable. Assuming no Light pole relocations	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
29		**City of Orlando Permit**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
30		Not Applicable. Assumming no City of Orlando Permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
31		**SFWMD**	**0 days**	**0 days**	**Fri 5/1/26**	**Fri 5/1/26**	
32		Not Applicable. Assuming no SFWMD permit required.	0 days	0 days	Fri 5/1/26	Fri 5/1/26	
33		**Construction**	**28 days**	**38 days**	**Wed 7/22/26**	**Fri 8/28/26**	
34		Substantial Completion	28 days	38 days	Wed 7/22/26	Fri 8/28/26	2
35		Final Completion	23 days	31 days	Mon 8/31/26	Wed 9/30/26	34



Project: Design Schedule
Date: Mon 3/2/26

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Page 1

DESIGN DEVELOPMENT PHASE (80%)

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Schedule and conduct a pre-design meeting with GOAA to review the scope of services and become familiar with the Project requirements and operational concerns during the Project's construction.
6. An existing basemap will be developed in CAD from all as-built information including high resolution aerial photographs.
7. Conduct site inspections to verify project-related existing physical features and facilities.
8. Develop horizontal pavement geometrical layouts and place sufficient information on drawings to layout proposed roadway.
9. Develop mill and resurface pavement design.
10. Develop a construction safety and phasing plan
11. ~~Develop preliminary marking plans.~~
12. Prepare preliminary Contract Drawings (approximately 80% complete) providing sufficient detail for review of design concepts by GOAA. Drawings on 30" x 42" Paper. It is anticipated that the drawings will consist of the following sheets:

Approx. Number of Sheets	Name
1	Cover Sheet
1	Sheet Index and General Notes
1	Legend and Abbreviations
1	Overall Site Plan and Key map
2	Demolition Plan
1	Demolition Details
2	Paving Plan
1	Typical Sections
2	Marking Plans
2	Marking Details
3	Construction Safety Phasing Plans

1	Airspace Critical Locations Plan
2	Maintenance and Protection of Traffic Details
20	**Total Sheets**

13. Develop Division 1 documents.
14. Develop technical specifications expected to be required for the proposed work using FAA and other sources.
15. Perform an internal quality control review on all design documents.
16. Submit sufficient copies of design development documents to GOAA for their review and comment.
17. Schedule and conduct a design development review meeting to discuss and resolve GOAA comments.
18. Provide written responses to all comments received.

CONSTRUCTION DOCUMENTS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Schedule and attend weekly coordination meetings with Middlesex.
3. Provide Middlesex monthly project status reports.
4. Schedule coordination - Consultant shall provide continued coordination so that project schedules are met for each phase of work included in this contract. Particular phases of design may be delayed by GOAA and permit agencies.
5. Detail and finalize pavement details, rehabilitation details and pavement sections.
6. Finalize marking plans.
7. Finalize maintenance of protection plan that limits interference with the travelling public. in Specifications and on the Contract Drawings.
8. Prepare final Contract Drawings on 30" x 42" paper.
9. Finalize Division 1 documents.
10. Finalize written Technical Specifications for all construction materials and installations.
11. Provide documents for GOAA to submit both the construction safety phasing plan and 7460 form electronically to the FAA.
12. Perform final internal quality control review on all design documents.

13. Submit draft final documents to GOAA, FAA and FDOT for final review and comment.
14. Schedule and conduct draft final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
15. Provide written responses to all comments received.
16. Incorporate all draft final review comments into the 100% plans.
17. Schedule and conduct final review meeting with GOAA, FAA and FDOT to discuss and resolve final comments.
18. Deliver 100% plans to GOAA Engineering department to obtain their approval and stamp.
19. Obtain comments from GOAA Horizontal permit review.
20. Address comments received from GOAA Horizontal permit review.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Design Development Phase (80%)
    i. Pre-design meeting with GOAA / Middlesex
    ii. Weekly coordination meetings with Middlesex
    iii. Technical Review Team (GOAA) (TRT) review meeting
2. Construction Documents
    i. Weekly coordination meetings with Middlesex
    ii. General meeting to discuss phasing and other project elements with GOAA, tenants, and other stakeholders.
    iii. TRT review meeting – draft final
    iv. TRT review meeting - final

CONSTRUCTION ADMINISTRATION AND RECORD DRAWINGS

The specific services to be provided or furnished for this Phase of the Project are the following:

1. Perform project management duties such as project planning, invoice preparation, schedule coordination and coordination of design team.
2. Provide Middlesex monthly project status reports.
3. Attend the Pre-Construction Conference meeting conducted by the Owner prior to the start of construction activities.
4. Attend the Owner's Job Coordination Meeting (JCM) meetings during the term of the construction contract. These meetings are planned to be held every week. It is assumed that there will be ten (10) JCM Meetings.

5. Make visits to the site at intervals appropriate to the various stages of construction to observe.
    a. It is assumed that site visits shall occur on the same day as the JCM meetings listed above.
6. Review and take other appropriate action in respect of Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept for the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.
7. Review requests for information and field changes.
8. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, but subject to the provisions of the Contract Documents.
9. Conduct a final inspection to determine if the completed Work of the Contractor is acceptable.
10. Prepare the Record Documents based upon the As-Built Drawings and Documents received from the contractor.
11. Review all Close-out Documents and Manuals for conformance with the Contract Documents.

MEETINGS

The meetings listed above in the scope of work are listed here in one concise location:

1. Pre-Construction Conference Meeting – 1 meeting
2. JCM Meeting – 10 meetings
3. Site Visits – Concurrent with the JCM Meetings above.
4. Pre-Final Inspection – 1 meeting
5. Final Inspection – 1 meeting

ASSUMPTIONS:

The conditions or considerations in developing the scope and fee for the project described above include:

1. No survey is included in this proposal.
2. No geotechnical investigation is included in this proposal.

3. No right-of-way or other deed research is included in this proposal.
4. The placement of boundary monumentation is not required.
5. GOAA will supply any deeds, maps, recorded and unrecorded information and an up-to-date abstract of title that will assist in the progress of this project.
6. Soil sampling for contaminants will not be required for this project.
7. It is assumed that existing documentation for the area of work exists and will be provided to C&S upon award of the project.
8. The existing pavement does not require any grade corrections or drainage improvements, therefore grading and drainage plans are not required. Any work on the project will match existing grades and existing drainage structures will be maintained.
9. Permitting through the City of Orlando and South Florida Water Management District will not be required.

EXCLUSIONS / ADDITIONAL SERVICES

1. Environmental review, NEPA and state, including the collection and review of available documents such as published wetland maps, soil conservation survey maps, and previous master plan and environmental archaeological studies, to identify potential impacts the Project may have on the environment.
2. NEPA or any other environmental compliance reports, studies, and environmental reviews, state or federal.
3. Underground utility locating (soft digs, potholing, etc.)
4. Underground utility inspections using a video camera.
5. Drainage studies, including hydrology or hydraulics unless otherwise identified above in scope of work.
6. All design changes and value engineering efforts after the Design Development Phase is excluded from this scope.

PROPOSAL

Middlesex Paving, LLC

10801 Cosmonaut Blvd.

Orlando, FL

Phone: **(407) 206-0077**

Submitted To: TMC FL (Construction)
10801 Cosmonaut Blvd.
Orlando, FL 32824

Job Name: GOAA, H-417 & H-419
Proposal No.: PV1133

Middlesex Contact: Victor Thillett

Attention:

Includes up to 2 Paving Mobilization(s).
Based on Completion by Sept, 2026.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Paving schedule is subject to availability and allocation of incoming aggregate deliveries for asphalt production schedule.				
	H417				
H417	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H417	3" MILLING	7,683.00	SY	7.00	53,781.00
H417	3" P-403 ASPHALT	1,350.00	TN	205.00	276,750.00
	Total for H417				**350,531.00**
	H419				
H419	MOBILIZATION	1.00	LS$	20,000.00	20,000.00
H419	4" MILLING	6,974.00	SY	5.00	34,870.00
H419	4" P-401 ASPHALT (PG 82-22)	1,600.00	TN	225.00	360,000.00
	Total for H419				**414,870.00**
GRAND TOTAL					**$765,401.00**

NOTES:

ACCEPTANCE OF PROPOSAL:
This proposal and pricing is accepted by the following signature with agreement to all notes and clarifications as stated herein.

Company Name: _____

Accepted By: _____ Date of Acceptance: _____
Authorized Representative's Signature

Printed Name: _____

MOBILIZATIONS
* If additional paving mobilizations are required exceeding those noted above then an added charge of $4,500 will be required

for each extra Mobilization.
* The Milling item(s) of work is based on all being performed at the same time in a single mobilization. If additional milling mobilizations are required then an additional $5,500 will be charged for each extra.

GENERAL NOTES
* THIS IS A UNIT PRICE PROPOSAL
* If work is not completed prior to completion date of contract, Middlesex will review any cost impacts and has the right to revise the unit costs for remaining work.
* This Proposal is based on quantities supplied by the contractor and unit costs will apply to any overrun.
* Thicknesses quoted are "Nominal" thicknesses per FDOT specifications.
* Price is based on yield of 110 lbs/sy (per inch thickness). If this maximum is exceeded due to base or jobsite conditions, then any additional asphalt used will be charged as an overrun/extra work.
* This Proposal does not include Payment and Performance Bond; if required add 1.5% to the contract price. Min. Cost is $500.
* Work is to be done during normal business hours Mon.-Fri. (7AM-6PM) or Sun. night thru Thurs. night (per lane closure restrictions).
* This proposal is based on all work being performed with a single paving crew, if additional crews are required to accommodate the Contractor's schedule then this will need to be agreed prior and any additional costs agreed.
* Prior to placement of any friction course traffic shall be in final configuration.
* This proposal does not include any Engineering evaluation of bridges within or adjacent to the project work area with consideration to "walking" the milling and paving equipment across. If such Engineering evaluation is required for access across any bridges then that responsibility will be borne by the General Contractor.
* Please note that Middlesex typically shuts down the asphalt plant and paving operations for the week of Christmas/New Year's and for the week of July 4th. This consideration shall be included in the project schedule.
* Middlesex must have at least 3 weeks advance notice in order to better assure timely scheduling of the work required for each mobilization/phase of paving.
* Once scheduled for work, any cancellation must be made prior to 48 hrs before scheduled mobilization; otherwise, a mobilization may be charged against the project and any subsequent re-scheduling will be subject to consideration of the above noted 3 weeks advance notice requirement.
* If this project includes the placaement of FC-5 Friction then be aware that Middlesex Paving follows the FDOT Specification for 65 degree temperature threshold and we must have a forecast with consistent temperatures meeting this threshold for the entire work allowance...no partial shifts. Typically, night-time placement of FC-5 Friction is not available (due to temperatures) from mid-November through March.
* The Contract item(s) for milling includes the trucking, cleanup and disposal of milled material. All milled asphalt becomes property of Middlesex. Milling shall be accessible by main line milling machine and Middlesex will not be responsible for areas that can't be accessed. Day-rate Milling is for milling machine only (no trucking, no clean-up).
* Miscellaneous asphalt is for placement of asphalt only. Grading and compacting the subgrade and application of an appropriate herbicide (per FDOT specifications) is the responsibility of the GC. The Misc. Asphalt item is based on the guardrail being installed after the placement of the asphalt and this does not include any patching by Middlesex.
* Location, adjustment, protection and relocation of utilities is not the responsibility of Middlesex.
* Price based on placing asphalt on a firm and unyeilding base/subgrade (prepared by others) meeting plan template and capable of supporting conventional asphalt paving equipment and tri-axle dump trucks.
* Middlesex will not be responsible for tack on adjacent roadways due to normal paving operations.
* Contractor to provide sufficient number of staging areas for Middlesex to park equipment close to each day's paving location and to allow for truck clean-out prior to leaving the project site.
* When accessing the paving areas, Middlesex will not be responsible for any miscellaneous concrete damaged by paving equipment or trucks. This includes curb and gutter, concrete pavement or brick pavers that are existing or constructed prior to paving operations.
* The GC is to provide a clean water source within reasonable access of the project for Middlesex's use to maintain operation of the rollers, broom, milling machine, and any other equipment, as needed.
* Due to existing conditions, Middlesex can not be responsible for 100% drainage of surface water following resurfacing.
* Middlesex will not be responsible for any puddling on areas where the grades are a 1.5% or less slope on plans or in the field conditions. Middlesex will not be responsible to notify customers of any conditions that exist that may present this problem.
* All of the above prices are based on the use of RAP (Recycled Asphalt) in the production of the hot-mix asphalt, per current FDOT Standards. Friction Courses are quoted per the current FDOT specifications, which allows the use of RAP in production.
* All of the above prices are based on the use of standard AC (liquid asphalt) binder in the production of the hot-mix asphalt, per FDOT Standards.
* Prices quoted are based on current prices on liquid asphalt, aggregates, and diesel fuel. Such prices are not guaranteed by the suppliers and are subject to sudden adjustment during the term of the contract. If the costs of these materials increases,

Middlesex has the right to adjust the unit costs accordingly.
* This proposal is furnished as a complete scope of work as defined above and shall be contracted to Middlesex in its entirety. Individual line items cannot be removed unless specific changes are approved by Middlesex.
* This Estimate/Proposal is contingent upon acceptance or issuance of an agreeable Subcontract which shall include the provisions of this Estimate/Proposal. This Estimate/Proposal will supercede any other provisions of the Subcontract. Prior to any work being performed by Middlesex on the project this Estimate/Proposal must be accepted or a Subcontract must be executed.
* Payment Terms shall be the 30 days from date of Middlesex invoice, unless agreed to otherwise.
* If a Subcontract or other agreement is not executed within 30 days then this proposal is subject to be reviewed for adjustment.
* All prep for paving by others, other than stated herein. All access, traffic, and safety control by others. This includes lane closure provided on highways to allow trucks to enter/exit the work zone, even if the work zone is out of and away from active traffic; if the trucks are entering/exiting directly to or from active traffic then a lane closure is to be provided.
* This proposal includes standard testing performed by Middlesex's certified Quality Control lab and technicians.
* Middlesex does not include any provision for asphalt (installation or removal) that may be required to maintain traffic (i.e. temporary wedges). If this is required, such work will be considered extra and will need to be priced separately.
* Prices do not include engineering or layout.
* All staking, layout and establishment of grades to be done by others and clearly indicated before paving (every 100' in tangents and 25'in radius). We will accept no responsibilty for improper engineering and/or areas where no grades were indicated before commencement of work.
* Sawcutting of existing pavement is not included and is the responsibility of the site contractor.
* Middlesex is not responsible for the clean up and/or disposal of sweepings generated from sweeping the base, prime and sand, or intermediate asphalt lifts. Such sweepings will be broomed out of the way of paving and cleaned up by others.
* This proposal specifically excludes RailRoad Insurance and any special requirements for working in or around RR right-of-way.

SUNRISE HAULING & EXCAVATING INC.

PROPOSAL / CONTRACT

345 Enterprise Street
Ocoee, FL 34761
Phone:(407) 775-1401
Fax: (407) 395-2331

~~Date: April 30, 2024~~
Estimate Number: 41420232
Customer Name: Middlesex Corporation
ADDRESS: 10801 Cosmonaut Blvd
CITY/STATE/ZIP: Orlando, Fl 32824 Florida
PHONE: 407-757-1579
E-MAIL: rflrml@middlesexco.com

REV 2
JF
4-30-24

PROJECT
~~GOAA BP 498 Project~~

LOCATION
Orlando Airport
Orlando Fl.

PAYMENT TERMS
Net 30

PREPARED BY:
Alberto Puentes
Regional Sales Manager
sunrisehaulingestimating@gmail.com
Mobile (407)714-0970

JP 4/30

MINORITY CERTIFY ~~M.B.E./~~LDB, ORLANDO AVIATION, ORANGE COUNTY, ~~MWBE~~ CITY OF ORLANDO, DBE/F-DOT

QTY	DESCRIPTION	PIT LOADING	DELIVERY LOCATION	HAUL ONLY	TOTAL DELIVERED PRICE
					00 Hr
	Fuel Escalation charge of 3% for every 7cents increase from start through duration of Job. Verified by eia.gov lower atlantic fuel website				

MATERIAL BASED ON AVAILABILTY - Rates based on 10 hour dump days

NOTE: ALL Rates based on service upon truck availabilty and/or loading condions at the quarry. Upon acceptance of proposal and before placement of order(s). Please sign and return to our office along with NTO or bond informationvia email. **Plese note that before ordering service for any project you must submit a Notice of Commencement stating all the legal description for that particular project.** Fuel Escalation above, Verified by eia.gov lower atlantic fuel website Please remember that acceptance of proposal **does not** represent an order. To place an order you must contat our office or dispatcher with at leaset one day notice. Prices are subject to change if rate(s) increase from the quarry and or change at the dump site(s). Hauling rates are subject to change depending on current fuel prices. Validation of quoted pricing is subject to proposal being accepted and returned with signature within 30 days of sending date.

SPECIAL PROVISIONS: Prices Quoted are US Tons (Not Metric) Prices Quoted Do Not Allow Retainage

PAYMENT TO BE MADE AS FOLLOWS: NET 30

All work is done with the understanding that the customer is fully responsible to verify that all labor, materials, quantities, equipment, time and all other work furnished meets the requirements of the job stated above. Upon customer satifaction, customer and/or authorized persons will acknowledge by signing the delivery tickets for all work/materials furnished. after the signing of the delivery tickets, customer is fully liable for all work state thereon. There will be no credits issured and no dicrepancies after signing of said tickets. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. This proposal is acceptable within 30 days and is void thereafterat the option of the undersigned. In the event it becomes necessary for Sunrise Hauling & Excavating Inc. to engage the service of an attorney to collect any sums due under this contract, the customer will pay reasonable attorney's fees and all costs in making such collection.

Sign Below to Accept Proposal:

Bob's BARRICADES, INC.

921 SHOTGUN ROAD
SUNRISE, FLORIDA 33326

~~2.26.26~~ ~~GOAA-BP-498 Taxiways G&H Rehabilitation Phase 2~~ 10 days GOAA

DOT #	DESCRIPTION	U/M	Est Qty	Price	Ext Prices
	Delivery / Pick up	ea	2	$375.00	$750.00
	Low Profile Barricades (water fillable)	ed	~~1000~~ 1600	$2.25	~~$2,250.00~~ $3600
	Red lens light (battery powered)	ed	~~2000~~ 3200	$0.30	~~$600.00~~ $960
					~~$3,600.00~~
					$5,310

Maximum amount of low profile airport barricades is 100.
Water, sandbagging and or setup not included in the above prices.

Quote is firm for (20) days. Quoted prices are firm for the life of the job upon acceptance.

Airport lights are battery powered.

By agreeing to this quote, it becomes a part of any resulting contract.

This quotation in no way authorizes the use of any Bob's Barricades personnel

and/or their certification as worksite traffic safety supervisor.

30 minimum business day notice is required prior to delivery of airport barricades.

All applicable sales tax will be added where required.

quoted by John Baldwin jbaldwin@bobsbarricades.com;

800-432-5031; fax 954-473-8737

Outlook

RE: Quote for Portojohns

From Anderson Sales <sales@anderson-rentals.com>
Date Mon 2024-09-09 3:02 PM
To Jake Shumway PMP <jshumway@middlesexco.com>; Anderson Sales <sales@anderson-rentals.com>

CAUTION: This is an external email sent from outside Middlesex.
DO NOT click on links or download attachments unless you recognize the sender, were expecting it, and know the content is safe.

Towable Portable Restroom:
$100.00 each + sales tax, one time delivery charge (includes pickup)
$165.00 each + sales tax for portable restroom with 1 x week service
$215.00 each + sales tax for portable restroom with 2 x week service

Megan Burnell
1-800-553-2213

From: Jake Shumway PMP <jshumway@middlesexco.com>
Sent: Monday, September 9, 2024 2:54 PM
To: Anderson Sales <sales@anderson-rentals.com>
Subject: Quote for Portojohns

Ashley,

Could you please quote us a two portojohn on a trailer that we can bring out to the Orlando International airfield? We need it for two weeks in December and then two weeks in January with two cleanings per week. We could bring them out by our trailer at 11400 Terminal C Service Road Orlando FL 32827, so that they could be cleaned.

Thank you,

Jake Shumway

Jake Shumway PMP | Project Manager
10801 Cosmonaut Blvd. Orlando, FL 32824
p: 978-230-5000

Greater Orlando Aviation Authority

Published By: Herve
Reviewed By: Jorge Her

CCM HANDOUT
4/28/2026
Item III-H
Revised Memo

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 02	AMOUNT $68,438.49	Extension Of Time (Subst.):	28 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	H-S00031 Terminal C Employee Parking Enhancements (D/B)	DATE: 04/28/26
CONTRACTOR:	Kiewit Infrastructure South Co.	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Extended General Conditions: Extended General Conditions (GCs) for a period of 28 days associated with the issuance of Bulletin 02 removal of the Schedule B Parking Card Management System.

ADD: $75,634.53

Item #2 – Parking Card Management System scope removal: The Parking Card Management System scope was removed from the Base contract Schedule B per Bulletin 2 at the Owner's request resulting in a credit back to the project.

DEDUCT: ($7,196.04)

Item #3 – Time Extension: Increase the Contract Time for Substantial Completion by **28** calendar days, from **300** calendar days to **328** calendar days, associated with the compensable days in Items No. 1 and 2 above.

ADD: $0.00

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested: Additional General Conditions for Bulletin 2 issued on December 3, 2025, removed the Parking Card Management Card system as part of the Base scope.

Item #2 – Owner Requested: Bulletin 2 issued on December 3, 2025, removed the Parking Card Management Card system as part of the Base scope.

Item #3 – Owner Requested: The above requested Time Extension reflects the time impacts of the above Items resulting in a delay of twenty-eight (28) calendar days to the project schedule.

SOURCE OF FUNDS: General Airport Revenue Bonds (GARBS)

Is above change within the intended scope of the original contract? Yes ☒ No ☐

EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 2	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$	$68,438.49
GOAA/OAR Estimate	$	$65,578.00

CC
ITEM III-H
04/28/2026

Greater Orlando Aviation Authority

Published By: Herve Apollon
Reviewed By: Jorge Hernandez

(a) Change Contract Amount By			**$ $68,438.49**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 68,438.49**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Herve Apollon			PHONE: 786-376-7492

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		04/24/26	BS	Melvin Martinez

Greater Orlando Aviation Authority

Published By: Herve Apollon
Reviewed By: Jorge Hernandez

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 02	AMOUNT $68,438.49	Extension Of Time (Subst.): 28 Days
		Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	H-S00031 Terminal C Employee Parking Enhancements (D/B)	DATE: 04/28/26
CONTRACTOR:	Kiewit Infrastructure South Co.	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Extended General Conditions: Extended General Conditions (GCs) for a period of 28 days associated with the issuance of Bulletin 02 removal of the Schedule B Parking Card Management System.

ADD: $75,634.53

Item #2 – Parking Card Management System scope removal: The Parking Card Management System scope was removed from the Base contract Schedule B per Bulletin 2 at the Owner's request resulting in a credit back to the project.

DEDUCT: ($7,196.04)

Item #3 – Time Extension: Increase the Contract Time for Substantial Completion by **28** calendar days, from **300** calendar days to **328** calendar days, associated with the compensable days in Items No. 1 and 2 above.

ADD: $0.00

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested: Additional General Conditions for Bulletin 2 issued on December 3, 2025, removed the Parking Card Management Card system as part of the Base scope.

Item #2 – Owner Requested: Bulletin 2 issued on December 3, 2025, removed the Parking Card Management Card system as part of the Base scope.

Item #3 – Owner Requested: The above requested Time Extension reflects the time impacts of the above Items resulting in a delay of twenty-eight (28) calendar days to the project schedule.

SOURCE OF FUNDS: General Airport Revenue Bonds (GARBS)

Is above change within the intended scope of the original contract? Yes ☒ No ☐

EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 2	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$	$68,438.49
GOAA/OAR Estimate	$	$65,578.00

Greater Orlando Aviation Authority

Published By: Herve Apollon
Reviewed By: Jorge Hernandez

(a) Change Contract Amount By			**$ $68,438.49**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 68,438.49**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Herve Apollon			PHONE: 786-376-7492

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

OAR Estimate - Bulletin 2 Changes

General Condition for 28 days

		Daily Rate	# days			
Project Manager		$ 600	28			$ 16,800
Project Superintendent		$ 500	28			$ 14,000
Project Engineer		$ 350	28			$ 9,800
Project Safety		$ 400	28	0.5		$ 5,600
Equipment		$ 250	28			$ 7,000
Finance Analyst		$ 400	28	0.5		$ 11,200
Job Office		$ 110	28			$ 3,080
Subtotal						**$ 67,480**
Overhead (12%)						$ 8,098
Card Maagement system						-$10,000.00
					Total:	**$ 65,578**

	Total	Quantaty	Unit Cost	Total
Card Management System		1	$10,000	$10,000

Prepared by Herve Apollon

4300 W Lake Mary Blvd - Ste 1010-362 ● Lake Mary ● Florida 32746
407-702-8762 ● www.OrlandoProjectControls.com

April 15, 2026

RE: H-S00031 Terminal C Employee Parking Enhancements (D/B)

Subject: RCO 2.2 Rev 1 – Existing Vehicle Gate Access Control Changes

Dear Mr. Apollon,

Bulletin 2 was formally issued on December 3, 2025, which provided further clarity as to the finalized scope of work associated with the Project's gate access and the subsequent deletion of the security cameras and parking card management system. The drawings were revised accordingly, and the contractor has since proceeded with the final submittal package, its approval, and procurement of the remainder of the gate access system.

RCO 2.2 Rev 1 represents the finalized costs associated with the gate access control changes. Prior reviews of cost and time associated with the later Project completion failed to reach an agreed upon resolution by all parties. Prior OPC analysis suggested an exposure of 16 calendar days of compensable time, when compared against the Project's non-excusable delays. The OAR Project Team and GOAA representatives have engaged in extended discussions resulting in reconciliation of 28 calendar days of compensable time to the contractor.

Respectfully,

Bryan Quigley

Senior Scheduler

April 15th, 2026

Greater Orlando Aviation Authority (GOAA)
11308 Terminal C Service Road
Orlando, FL 32824
Attn: Herve Apollon, herve.apollon@goaa.org

Project: Terminal C Employee Parking Enhancements (D/B)
Project #: H-S00031

Subject: Bulletin 2 & RCO 2.2 Rev 3 Vehicle Gate Access Changes

Reference Documents:

1) RFI-001 – Gate Access Control System
2) RFI-002 – Gate Access Control Confirmation
3) Potential Change Order Notice – RFI-001&002 Sch B Gate Access Changes - KISC
4) Response to Potential Change Order Notice #2 - OAR
5) Additional Information for COR-002 Gate Access Changes - KISC
6) Response to Additional Information for RCO-002 Gate Access Changes - OAR
7) COR-002.2 Vehicle Gate Access Control Upgrade - KISC
8) H-S00031 Bulletin 2 - OAR
9) H-S00031 RCO 2.2 Res – OAR
10) H-S00031 RCO 2.2 Rev1 OAR Response 3.17.26

Dear Mr. Apollon,

As requested by Owner's Authorized Representative (OAR) in ***H-S00031 RCO 2.2 Rev1 OAR Response*** dated March 17th. 2026, Kiewit Infrastructure South Co. (KISC) submits its revised request to GOAA addressing additional vehicle gate access changes in Schedule B – Terminal C Employee Parking South Lot, including a credit for the parking management card system.

Although Project Specifications and DCP include no definition, direction, or requirements for a parking management card system—and KISC did not include such a system in its original proposal due to the absence of information or owner guidance—KISC has provided a credit in this RCO. This credit is based on a quote from our vendor for an integrated system capable of providing both access control card functionality and parking management features.

Because the cost allocation between these two integrated scopes cannot be clearly separated, KISC proposes crediting fifty percent of the line-item value. This is offered as a good-faith effort to resolve the matter and allow the project to move forward, while maintaining the strong relationship developed with the owner over the years.

KISC also agrees with the OAR's proposal **of 28 calendar days of TRO,** for total compensation in the amount of: **$ 68,438.49.**

Kiewit Infrastructure South Co.
6200 Lee Vista Blvd, Suite 100
Orlando, FL 32822

If you have any questions regarding this matter, please contact me at (321) 282-9893 or at David.Crane@kiewit.com.

Sincerely,

David.Crane

Digitally signed by David.Crane
DN: CN=David.Crane, OU=Employees, OU=Users, OU=Kiewit, DC=KIEWITPLAZA, DC=com
Reason: I have reviewed this document
Date: 2026.04.15 17:51:18-04'00'

_____

David Crane
KISC Project Manager

Cc: Mauricio Davila, KISC Superintendent
Sarah Schultz, KISC Project Sponsor
Martin Orozco, KISC District Contract Administration Manager
Nick Sosa, KISC Area Manager

Kiewit Infrastructure South Co.
6200 Lee Vista Blvd, Suite 100
Orlando, FL 32822

Kiewit

Greater Orlando Aviation Authority

OWNER: Greater Orlando Aviation Authority
CONTRACTOR NAME: Kiewit Infrastructure South Co.
CONTRACT NO.: H-S00031
PROJECT: Terminal C Empl Prkng Enhacements

COST PROPOSAL:

CONTRACTOR PROPOSAL				PROPOSAL Date:	4/15/2026
NET INCREASE	$ 68,438.49			CALENDAR DAY INCREASE	TBD
COST ELEMENT	BRIEF DESCRIPTION	ESTIIMATED QUANTITY	UNITS	UNIT PRICE	COST INCREASE / DECREASE
Bid Credit *(Value #1)*	Parking Card Management System	1	LS	$ (7,196.04)	$ (7,196.04)
Proposal *(Value #2)*	GOAA's Bulletin #2	1	LS	$ 75,634.53	$ 75,634.53
					$ -
					$ -
					$ -
TOTAL NET INCREASE / DECREASE					**$ 68,438.49**
TYPED NAME AND TITLE (Contractor) David Crane, Project Manager					

RCO # 002.2

Vehicle Gate Access Control Changes

Job. No. 106286

Co. No. H-S00031

Kiewit Infrastructure South Co.
(Issued by)
6200 Lee Vista Blvd, Suite 100
Orlando, FL 32822
(Address)

Number: Rev 3

Date: 4/15/2026

To : Greater Orlando Aviation Authority
11308 Terminal C Service Road
Orlando, FL 32824

Attn: Herve Apollon, GOAA Senior Project Manager

- [ ] Material or Subcontractor
- [ ] Owner Force Account Work
- [x] Extra Work
- [ ] Equipment Lease or Vendor Invoice

} Check One

Issue: **Access control at vehicle gate (Bulletin #2)**

Description of Work: GOAA requested change for Vehicle acceess gate noted in Bulletin 2 & RCO 2.2 Response

Location: Schedule B - Terminal C Employee Parking South Lot

Prime Contractor Detail of Equipment, Materials and Labor	Quantity	Unit	Hrly Rate or Unit Price	Equipment Cost	Material Cost	Labor Cost	Total Amount	
CONTRACTOR'S OWN FORCES								
LABOR - Direct Cost								
						$ -	$ -	
						$ -	$ -	
						Subtotal Labor	**$ -**	
MATERIAL - Direct Cost								
					$ -		$ -	
					$ -		$ -	
						Subtotal Material	**$ -**	
EQUIPMENT - Direct Cost								
				$ -			$ -	
				$ -			$ -	
						Subtotal Equip.	**$ -**	
EQUIPMENT - Indirect Cost								
Superintendent Truck - F-150 Conv. (40hrs/5-day week= 5.71hrs/7-day week)	28.00	Day	$ 124.360	$ 3,482.08			$ 3,482.08	
Project Manager Truck - F-150 Crew (40hrs/5-day week= 5.71hrs/7-day week)	28.00	Day	$ 126.310	$ 3,536.68			$ 3,536.68	
							$ -	
						Subtotal Equip.	**$ 7,018.76**	= A
Project Staff - Indirect Cost								
Project Manager *(28 calendar days = 4 weeks @ 40 Hrs/Week = 160Hrs)*	160.00	Hr	$ 122.916			$ 19,666.53	$ 19,666.53	
Superintendent *(28 calendar days = 4 weeks @ 40 Hrs/Week = 160Hrs)*	160.00	Hr	$ 76.644			$ 12,263.12	$ 12,263.12	
Field Engineer *(28 calendar days = 4 weeks @ 40 Hrs/Week = 160Hrs)*	160.00	Hr	$ 63.863			$ 10,218.09	$ 10,218.09	
Finance Analyst (*28 calendar days = 4 weeks @ 20 Hrs/Week = 80Hrs*)	80.00	Hr	$ 59.382			$ 4,750.57	$ 4,750.57	
Safety Manager (*28 calendar days = 4 weeks @ 20 Hrs/Week = 80Hrs)*	80.00	Hr	$ 99.647			$ 7,971.76	$ 7,971.76	
Job Office Rent	28.00	Day	$ 137.500	$ 3,850.00			$ 3,850.00	
Information Tech (@$110/staff/week= $16/Staff/CD @ 4 Staff = $64/CD)	28.00	Day	$ 64.000	$ 1,792.00			$ 1,792.00	
							$ -	
						Subtotal Project Staff	**$ 60,512.07**	= B
						SUBTOTAL:	**$ 67,530.83**	= A+B
SUBCONTRACTORS								
Subcontractor								
							$ -	
						Subtotal Subs.	$ -	
						SUBTOTAL:	**$ -**	
FINANCIAL MARKUPS								
Contractor's Own Forces							$ 67,530.83	
Subcontractors							$ -	
						Subtotal	**$ 67,530.83**	= A+B
Contractor G&A								
							$ -	
							$ -	
Subtotal (Incl G&A)							**$ 67,530.83**	= A+B
Profit Markup								
Profit Markup - Contractor's Own Forces	12.0000%						$ 8,103.70	= (A+B)*12%=C
Profit Markup - Subcontractors	8.0000%						$ -	
	0.0000%						$ -	
Subtotal (Incl Profit)							**$ 75,634.53**	= A+B+C
Bond								
Project Bond							$ -	
Subtotal (Incl Bond)							**$ 75,634.53**	
							$ -	
							$ -	

Total Amount (Earnings to Cost Account No. _____

Approved for Owner, Material or Sub-Contractor

By Kiewit Infrastructure South Co.

Extra Work Sheet OVERALL TOTAL: **$ 75,634.53** = A+B+C

(Value #2)

Approved for Company

By _____

RCO # 002.2

Vehicle Gate Access Control Changes

Job. No. 106286

Co. No. H-S00031

Kiewit Infrastructure South Co.
(Issued by)
6200 Lee Vista Blvd, Suite 100
Orlando, FL 32822
(Address)

Number: 3

Date: 4/15/2026

To : Greater Orlando Aviation Authority
11308 Terminal C Service Road
Orlando, FL 32824

Attn: Herve Apollon, GOAA Senior Project Manager

- ☐ Material or Subcontractor
- ☐ Owner Force Account Work
- ☒ Extra Work
- ☐ Equipment Lease or Vendor Invoice

Check One

Issue: **Access control at vehicle gate (Bulletin #2)**

Description of Work: GOAA requested a credit for Management Card System in Bulletin 2 & RCO 2.2 Response

Location: Schedule B - Terminal C Employee Parking South Lot

Prime Contractor Detail of Equipment, Materials and Labor	Quantity	Unit	Hrly Rate or Unit Price	Equipment Cost	Material Cost	Labor Cost	Total Amount	
DIRECTS - Bid Credits to GOAA								
LABOR								
						$ -	$ -	
						Subtotal Labor	**$ -**	
MATERIAL								
							$ -	
						Subtotal Material	**$ -**	
EQUIPMENT								
							$ -	
							$ -	
						Subtotal Equip.	**$ -**	
Subcontractor								
						Subtotal Subs.	**$ -**	
						SUBTOTAL:	**$ -**	
INDIRECTS & STANDBY								
EQUIPMENT								
						Subtotal Equip.	**$ -**	
Subcontractors								
TSI/Consolidated Parking Equipment	0.50	PLS	$ 13,326.00				$ 6,663.00	
						Subtotal Subs.	**$ 6,663.00**	= A
Project Indirects								
						Subtotal Indirects	**$ -**	
						SUBTOTAL:	**$ 6,663.00**	= A
FINANCIAL MARKUPS								
Directs							$ -	
Indirects							$ 6,663.00	
						Subtotal	$ 6,663.00	= A
							$ -	
							$ -	
Contractor G&A								
							$ -	
Subtotal (Incl G&A)							**$ 6,663.00**	= A
Profit Markup								
Profit Markup - Subcontractors	8.0000%						$ 533.04	= A*8%=B
Subtotal (Incl Profit)							**$ 7,196.04**	= A+B
Bond								
							$ -	
Subtotal (Incl Bond)							**$ 7,196.04**	= A+B
							$ -	
							$ -	

Total Amount (Earnings to Cost Account No. _____)

Extra Work Sheet OVERAL TOTAL: $7,196.04 = A+B

(Value #1)

Approved for Owner, Material or Sub-Contractor

By Kiewit Infrastructure South Co.

Approved for Company

By _____

Kiewit
Backup

(Please see confidential document for more information)

STAFF RATES

			Lab-Adj to BaseWages		Ex Premium (5% or 10%)		PR Tax - Burden	RiskMgmt-Insrnc Brdn	Ben-Health Burden	Ben-Retrmt Dscr Brdn + Ben-Retrmt Mtch Brdn	Labor - PTO Burden	Tech Burden	Shared Services Burden	Total Burdens	Max. Burden Per Specs			
Florida			6.00%		0.00%		7.80%	9.03%	10.38%	6.44%	14.35%	11.66%	4.28%	63.94%	**42.00%**			
PRNR	**Name**	**Base Rate**	**COLA**	**Rate w/ COLA**	**Field Premium**	**Rate w/ Cola and Pre**	**Comp. Rate**	**Ins. Comp**	**Staff Medical**	**Staff 401K**	**Staff PTO**	**Tech**	**Shared Services**			**Per Diem**	**TOTAL WEEKLY RATE**	**TOTAL HOURLY RATE**
PM		**$ 3,266.43**	$ 195.99	$ 3,462.42	$ -	$ 3,462.42	$ 270.07	$ 312.66	$ 359.40	$ 222.98	$ 496.86	$ 403.72	$ 148.19	$ 2,213.87	**$ 1,454.22**	-	**$ 4,916.63**	**$ 122.916**
PE		**$ 2,036.79**	$ 122.21	$ 2,159.00	$ -	$ 2,159.00	$ 168.40	$ 194.96	$ 224.10	$ 139.04	$ 309.82	$ 251.74	$ 92.41	$ 1,380.46	**$ 906.78**	-	**$ 3,065.78**	**$ 76.644**
Superintendent		**$ 2,036.79**	$ 122.21	$ 2,159.00	$ -	$ 2,159.00	$ 168.40	$ 194.96	$ 224.10	$ 139.04	$ 309.82	$ 251.74	$ 92.41	$ 1,380.46	**$ 906.78**	-	**$ 3,065.78**	**$ 76.644**
FE		**$ 1,697.13**	$ 101.83	$ 1,798.96	$ -	$ 1,798.96	$ 140.32	$ 162.45	$ 186.73	$ 115.85	$ 258.15	$ 209.76	$ 77.00	$ 1,150.25	**$ 755.56**	-	**$ 2,554.52**	**$ 63.863**
Business - Finance Analyst		**$ 1,578.05**	$ 94.68	$ 1,672.74	$ -	$ 1,672.74	$ 130.47	$ 151.05	$ 173.63	$ 107.72	$ 240.04	$ 195.04	$ 71.59	$ 1,069.55	**$ 702.55**	-	**$ 2,375.28**	**$ 59.382**
Safety Manager		**$ 2,648.07**	$ 158.88	$ 2,806.96	$ -	$ 2,806.96	$ 218.94	$ 253.47	$ 291.36	$ 180.77	$ 402.80	$ 327.29	$ 120.14	$ 1,794.77	**$ 1,178.92**	-	**$ 3,985.88**	**$ 99.647**

Equipment Cost

EquipmentWatch

www.equipmentwatch.com

All prices shown in US dollars ($)

Adjustments for HunterStallings3 in undefined

June 19, 2025

Miscellaneous 4X4 1/2 395 CONV GAS
On-Highway Light Duty Trucks

Size Class:
300 hp & Over
Weight:
N/A

Configuration for 4X4 1/2 395 CONV GAS

Axle Configuration	**4X4**	Cab Type	**Conventional**
Horsepower	**395 hp**	Power Mode	**Gasoline**
Ton Rating	**1/2**		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	**Weekly**	**Daily**	**Hourly**	**Hourly**	**Hourly**
Published Rates	USD $3,040.00	USD $850.00	USD $215.00	USD $32.00	USD $13.49	USD $30.76
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2025: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $3,040.00**	**USD $850.00**	**USD $215.00**	**USD $32.00**	**USD $13.49**	**USD $30.76**

50% = $1,520.00 *(22 working days per month 8 hours per day = 176 hrs)*
/176 = $8.63/hr

Non-Active Use Rates

	Hourly
Standby Rate	USD $11.26
Idling Rate	USD $22.45

Ownership $8.63/hr + Operating $13.49/hr = $22.12/hr

8hrs x 5 work day = 40 Hrs/Week
40 Hrs/7-day per week = 5.71 Hrs/day
$22.12/Hr x 5.71 Hrs/day = $126.31/Day

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	26.94%	USD $819.00/mo
Overhaul (ownership)	34.81%	USD $1,058.30/mo
CFC (ownership)	16.12%	USD $490.08/mo
Indirect (ownership)	22.13%	USD $672.61/mo
Fuel (operating) @ USD 3.13	38.4%	USD $5.18/hr

Revised Date: 2nd quarter 2025

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (hunter.stallings@kiewit.com)

www.equipmentwatch.com

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EquipmentWatch

www.equipmentwatch.com

All prices shown in US dollars ($)

Adjustments for 02-10 in EST1 General/MISC/Average Fleet

June 19, 2025

Miscellaneous 4X2 3/4 401 CONV GAS
On-Highway Light Duty Trucks

Size Class:
300 hp & Over
Weight:
N/A

Configuration for 4X2 3/4 401 CONV GAS

Axle Configuration	**4X2**	Cab Type	**Conventional**
Horsepower	**401 hp**	Power Mode	**Gasoline**
Ton Rating	**3/4**		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	**Weekly**	**Daily**	**Hourly**	**Hourly**	**Hourly**
Published Rates	USD $2,935.00	USD $425.00	USD $205.00	USD $81.00	USD $18.31	USD $80.13
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2025: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	**USD $2,945.00**	**USD $825.00**	**USD $205.00**	**USD $31.00**	**USD $13.41**	**USD $30.14**

50% = $1,472.50
/176 = $8.37hr

(22 working days per month 8 hours per day = 176 hrs)

Ownership $8.37/hr + Operating $13.41/hr = $21.78/hr

Non-Active Use Rates

	Hourly
Standby Rate	USD $10.91
Idling Rate	USD $21.99

8hrs x 5 work day = 40 Hrs/Week
40 Hrs/7-day per week = 5.71 Hrs/day
$21.78/Hr x 5.71 Hrs/day = $124.36/Day

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	26.93%	USD $798.31/mo
Overhaul (ownership)	83.41%	USD $1,025.28/mo
CFC (ownership)	16.12%	USD $373.77/mo
Indirect (ownership)	22.18%	USD $651.59/mo
Fuel (operating) @ USD 8.18	89.22%	USD $5.26/hr

Revised Date: 2nd quarter 2025

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (hunter.stallings@kiewit.com)

www.equipmentwatch.com

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Job Office Cost

United Rentals®

POWER & HVAC
BRANCH G35
9375 BOGGY CREEK RD
ORLANDO FL 32824-8373
407-854-6061
407-857-8308 FAX

4 WEEK BILLING INVOICE

245734502-002

Job Site

P1X HP PAVING & VAULTS #105541
11364 TERMINAL C SERVICE RD
ORLANDO FL 32824-6702

Office: 770-487-2300 **Job:** 770-487-2300

KIEWIT INFR SOUTHEAST FLORIDA
PO BOX 452500
OMAHA NE 68145-2500

Customer #	969838
Invoice Date	05/19/25
Date Out	03/19/25 10:00 AM
Billed Through	05/18/25 00:00
UR Job Loc	11364 TERMINAL C SER
UR Job #	269
Customer Job ID	
P.O. #	4503819249
Ordered By	ANDY WILKINS
Reserved By	MARIO GOMEZ OLIVA
Salesperson	MARIO GOMEZ OLIVA

Invoice Amount: $3,648.69

Terms: Net 30 Days
Payment options: Contact our credit office 704-967-4556
REMIT TO: UNITED RENTALS (NORTH AMERICA),INC.
PO BOX 840514
DALLAS TX 75284-0514

RENTAL ITEMS:

Qty	Equipment	Description	Minimum	Day	Week	Month	Amount
1	11736313	HYBRID POWER 20KVA/40KWH 1PH 240V Make: HIMOINSA Model: EHR20 Serial: 523100369 Meter out: .10 Meter in: .00		889.00	1,112.00	3,000.00	3,000.00
2	241/8010	CABLE BANDED 5 WIRE 50'		49.00	61.00	173.00	346.00
4	241/5950	CABLE TAIL #2 MCAM BARE END		8.00	10.00	20.00	80.00

Rental Subtotal:	3,426.00
Agreement Subtotal:	3,426.00
Tax:	222.69
Total:	3,648.69

COMMENTS/NOTES:

CONTACT: ANDY WILKINS
CELL#: 337-605-1394

Billing period: 30 Days From 4/18/25 10:00 AM Thru 5/18/25 10:00 AM

Generator Daily Cost:
$3,426.00/30 Days = $114.2/Day

Effective February 1, 2024 and where permitted by law, United Rentals may impose a surcharge of 2.0% for credit card payments on charge accounts. This surcharge is not greater than our merchant discount rate for credit card transactions and is subject to sales tax.

NOTICE: This invoice is subject to the terms and conditions of the Rental and Service Agreement, which are available at https://www.unitedrentals.com/legal/rental-service-terms-US and which are incorporated herein by reference. A COPY OF THE RENTAL AND SERVICE AGREEMENT TERMS ARE AVAILABLE IN PAPER FORM UPON REQUEST.

United Rentals

BRANCH AH3
1850 SATURN BLVD
ORLANDO FL 32837-9416
407-251-2800
407-251-4774 FAX

4 WEEK BILLING INVOICE

245763223-003

Job Site

P1X HP PAVING & VAULTS #105541
11364 TERMINAL C SERVICE RD
ORLANDO FL 32824-6702

Office: 770-487-2300 **Job:** 770-487-2300

KIEWIT INFR SOUTHEAST FLORIDA
PO BOX 452500
OMAHA NE 68145-2500

Customer #	969838
Invoice Date	05/19/25
Date Out	03/19/25 05:00 PM
Billed Through	06/17/25 00:00
UR Job Loc	11364 TERMINAL C SER
UR Job #	269
Customer Job ID	
P.O. #	4503819198
Ordered By	ANDY WILKINS
Reserved By	DAVID MACMILLAN
Salesperson	DAVID MACMILLAN

Invoice Amount: $745.50

Terms: Net 30 Days
Payment options: Contact our credit office 704-967-4556
REMIT TO: UNITED RENTALS (NORTH AMERICA),INC.
PO BOX 840514
DALLAS TX 75284-0514

RENTAL ITEMS:

Qty	Equipment	Description	Minimum	Day	Week	Month	Amount
1	11895243	GLO/OFFICE CONTAINER 8X40X9'6" Make: MOBILE TRL Model: 40HC Serial: TGSU5035952				700.00	700.00

Rental Subtotal:	700.00
Agreement Subtotal:	700.00
Tax:	45.50
Total:	745.50

COMMENTS/NOTES:

CONTACT: ANDY WILKINS
CELL#: 337-605-1394

Billing period: 30 Days From 5/18/25 05:00 PM Thru 6/17/25 05:00 PM

Office daily rent:
$700/30Days= $23.3/Day

Total Office Daily Cost:
$114.2 + $23.3 = $137.5/Day

Effective February 1, 2024 and where permitted by law, United Rentals may impose a surcharge of 2.0% for credit card payments on charge accounts. This surcharge is not greater than our merchant discount rate for credit card transactions and is subject to sales tax.

NOTICE: This invoice is subject to the terms and conditions of the Rental and Service Agreement, which are available at https://www.unitedrentals.com/legal/rental-service-terms-US and which are incorporated herein by reference. A COPY OF THE RENTAL AND SERVICE AGREEMENT TERMS ARE AVAILABLE IN PAPER FORM UPON REQUEST.

Consolidated Equipment Credit

CONSOLIDATED PARKING EQUIPMENT
6991 NW 82nd Ave Bay # 8
Miami, FL 33166 US
+18779013304
billing@consolidatedparking.com

Estimate

ADDRESS
Eric Lesso Transportation Systems Inc

ESTIMATE #	DATE	
4665	10/02/2025	

ITEM	DESCRIPTION	QTY	COST	TOTAL
Riser-Cover-Column	Power.Gate Adaptor COL2 - Adaptor Base for retrofit for Power.Gate Column	2	660.00	1,320.00
946200822 Print@home retrofit	Power.Gate Print@Home-RETROFIT	2	3,029.19	6,058.38
946200020	Power.Gate-ENTRY - Power.Gate Basic device for your ENTRY: the universal multi-talent among parking columns offers comprehensive possibilities for the ticketing sector with the most modern and diverse ticket technology. Expand your business models. Become part of urban solutions. Scalable and expandable: space for up to three additional built-in components (e.g. credit card reader, receipt printer).	2	6,663.00	13,326.00
945805000	Operating License Entrance,Exit,Transfer, BLL, Spare Column / Software operating license for one column device	2	2,825.26	5,650.52
Riser-Cover-Gate	Riser Base Set - Barrier.Gate 2015 - Adaptor Base for retrofit	2	600.00	1,200.00
946500100	Barrier | Barrier.Gate eco standard	2	7,126.00	14,252.00
946521000	Barrier.Gate Non-Illum 9.84 - Non-Illuminated Yellow Profile 9.84’ Length (10ft)	2	600.00	1,200.00T
946200400	Power.Gate/ Lite.Gate Graphic Display 7"	2	892.00	1,784.00
INSTALLATION	INSTALLATION	4	1,250.00	5,000.00
LOOPS	Loop	4	570.00	2,280.00T

Price to be divided in two since it is an incorporated system for access control and card management

This estimate is valid for 30 days. Cost/Fees are subject to change if any work is completed outside of this estimate.

Contact Consolidated Parking Equipment to pay. Carefully review the attached estimate. Please ensure all details of your estimate are correct.

Price guaranteed for 30 day barring increases outside our company's control such as tariffs.

Your order will be processed once written approval is received via email or the signed estimate is returned to CPE.

Thank you for your consideration.

SUBTOTAL	52,070.90
TAX	243.60
TOTAL	**$52,314.50**

Accepted By

Accepted Date

Time Impact Analysis

H-S00031 Terminal C Employee Parking Lot Enhancements

Delay in Security Access Control System Design/ Bulletin # 2

Revision #2

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EXECUTIVE SUMMARY

INTRODUCTION

During the electrical design phase, the contractor was notified of a new gate access system to be used for the project. This change in design impacted the Progress Schedule by one hundred and thirty-two (132) calendar days, which the contractor will request to be granted one hundred and thirty-one (131) calendar days in a later change order due to the baseline schedule finishing on a Friday and the contractual end date being a Saturday.

KISC has prepared this request for an equitable adjustment in Contract Price and Contract Time for delays that impacted the critical path. Attached to this request is supporting data that is accurate and complete, and is the entire adjustment related to the issues listed above. Supporting data includes KISC's Cost Proposal and a Time Impact Analysis (TIA) that includes all delay activities with their projected actual dates.

KISC's Proposal includes all costs for labor, materials, subcontractors, equipment, and overhead costs, including extended overhead costs, and profit to incorporate the proposed changes into the Contract.

TIME IMPACT ANALYSIS

To determine the extent of the impacts on the Project Schedule due to delay events, KISC has developed a Time Impact Analysis (TIA) for the delay issue compared to the submitted baseline schedule. KISC has utilized the baseline schedule to calculate the variance because of the gate access design delay and the issuance of Bulletin # 2.

NEW ACTIVITIES

As a result of the change in scope of the electrical KISC created new activities to detail out the process from when notification was given, up until KISC was able to complete the 60% electrical design. This impact was further delayed by the release of bulletin #2 which delays procurement of the gate access system. Below are the new activities added to the schedule to reflect this impact.

FRAGNET FOR NEW ACTIVITIES

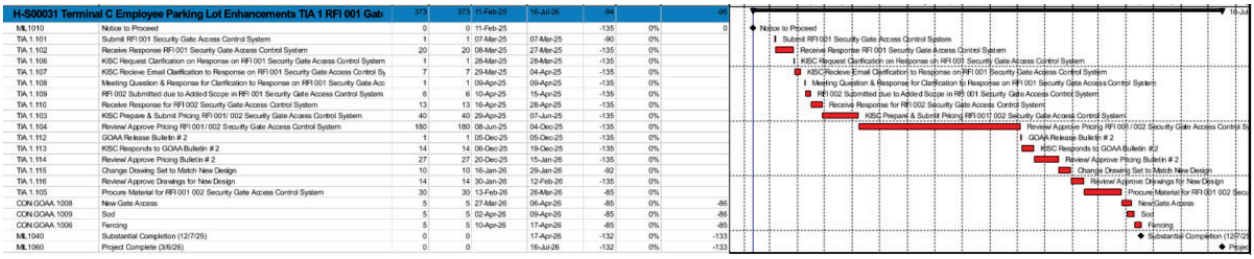
H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gat		266	266	07-Mar-25	13-Mar-26	-85	
Impacts		266	266	07-Mar-25	13-Mar-26	-85	
RFI 001 Security Gate Access Control System		266	266	07-Mar-25	13-Mar-26	-85	
TIA.1.101	Submit RFI 001 Security Gate Access Control System	1	1	07-Mar-25	07-Mar-25	-83	0%
TIA.1.102	Receive Response RFI 001 Security Gate Access Control System	20	20	08-Mar-25	27-Mar-25	-124	0%
TIA.1.106	KISC Request Clarification on Response on RFI 001 Security Gate Access Control System	1	1	28-Mar-25	28-Mar-25	-124	0%
TIA.1.107	KISC Recieve Email Clarification to Response on RFI 001 Security Gate Access Control System	7	7	29-Mar-25	04-Apr-25	-124	0%
TIA.1.108	Meeting Question & Response for Clarification to Response on RFI 001 Security Gate Acc	1	1	09-Apr-25	09-Apr-25	-124	0%
TIA.1.109	RFI 002 Submitted due to Added Scope in RFI 001 Security Gate Access Control System	6	6	10-Apr-25	15-Apr-25	-124	0%
TIA.1.110	Receive Response for RFI 002 Security Gate Access Control System	13	13	16-Apr-25	28-Apr-25	-124	0%
TIA.1.103	KISC Prepare & Submit Pricing RFI 001/ 002 Security Gate Access Control System	40	40	29-Apr-25	07-Jun-25	-124	0%
TIA.1.111	Added Engineering Work Due to Added Scope in RFI 001 & 002 Security Gate Access C	22	22	29-Apr-25	20-May-25	-68	0%
TIA.1.104	Review/ Approve Pricing RFI 001/ 002 Security Gate Access Control System	182	182	08-Jun-25	06-Dec-25	-124	0%
TIA.1.112	GOAA Release Bulletin # 2	1	1	07-Dec-25	07-Dec-25	-124	0%
TIA.1.113	KISC Responds to GOAA Bulletin # 2	14	14	08-Dec-25	21-Dec-25	-124	0%
TIA.1.114	Review/ Approve Pricing Bulletin # 2	14	14	22-Dec-25	04-Jan-26	-124	0%
TIA.1.115	Change Drawing Set to Match New Design	10	10	05-Jan-26	16-Jan-26	-83	0%
TIA.1.116	Review/ Approve Drawings for New Design	14	14	17-Jan-26	30-Jan-26	-122	0%
TIA.1.105	Procure Material for RFI 001 002 Security Gate Access Control System	30	30	02-Feb-26	13-Mar-26	-76	0%

DELAYS IN GATE ACCESS

On March 7, 2025, KISC was notified of a possible change in the gate access system, to which RFI 001 was submitted. KISC received a response to this RFI on March 27, 2025, which resulted in multiple discussions back and forth seeking clarity on the change. A meeting was held on April 9, 2025, to go over RFI 001, work thru clarifications and additional scope that was added in the RFI response. As a result of this meeting RFI 002 was created and submitted on April 15, 2025, due to added scope from RFI 001. KISC received a response from the client on April 28, 2025 releasing KISC to continue on with the electrical shop drawings. To mitigate the delay KISC started the electrical shops early, but had to stop working on them until the RFI's were settled. Once the RFI's were answered it was determined it would take the design team an added 22 days to their original scope due to rework of already designed portions and the added scope from these RFI's. This delay stopped procurement of electrical items which are long lead on this project. A secondary delay to these RFI's was the lack of approval on pricing and material to be used for the gate access system. Since there has been no movement on this portion of the impact, this delay has overtaken the previous delay of completion of the electrical design. Meetings were held during the months of October and November where it was discussed to go back to the original design concept of the system. On December 5, 2025 Bulletin 2 was received by KISC which gave a confirming answer to what the gate access system is going to be. This delay is still currently delaying the creation drawings and procurement for the material.

IMPACT TO THE PROJECT SCHEDULE

Below illustrates the impact to the project schedule that the gate access change and bulletin 2 had on the project schedule. The contractual baseline finish date was March 6, 2026, with the contractual baseline schedule ending on March 5, 2026, due to March 6th falling on a weekend. The impacted schedule shows a finish date of July 16, 2026, which shows a 132-calendar day delay to the contractual baseline schedule. KISC is requesting 131 calendar days be granted to the end date of the project due to this delay that was out of the control of KISC. The new substantial completion date based on these days would be April 17, 2026.



H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gat								
ML1010	Notice to Proceed	0	0	11-Feb-25		-135	0%	0
TIA 1.101	Submit RFI 001 Security Gate Access Control System	1	1	07-Mar-25	07-Mar-25	-90	0%	
TIA 1.102	Receive Response RFI 001 Security Gate Access Control System	20	20	08-Mar-25	27-Mar-25	-135	0%	
TIA 1.106	KISC Request Clarification on Response on RFI 001 Security Gate Access Control System	1	1	28-Mar-25	28-Mar-25	-135	0%	
TIA 1.107	KISC Recieve Email Clarification to Response on RFI 001 Security Gate Access Control Sy	7	7	29-Mar-25	04-Apr-25	-135	0%	
TIA 1.108	Meeting Question & Response for Clarification to Response on RFI 001 Security Gate Acc	1	1	09-Apr-25	09-Apr-25	-135	0%	
TIA 1.109	RFI 002 Submitted due to Added Scope in RFI 001 Security Gate Access Control System	6	6	10-Apr-25	15-Apr-25	-135	0%	
TIA 1.110	Receive Response for RFI 002 Security Gate Access Control System	13	13	16-Apr-25	28-Apr-25	-135	0%	
TIA 1.103	KISC Prepare & Submit Pricing RFI 001/ 002 Security Gate Access Control System	40	40	29-Apr-25	07-Jun-25	-135	0%	
TIA 1.104	Review Approve Pricing RFI 001/ 002 Security Gate Access Control System	180	180	08-Jun-25	04-Dec-25	-135	0%	
TIA 1.112	GOAA Release Bulletin # 2	1	1	05-Dec-25	05-Dec-25	-135	0%	
TIA 1.113	KISC Responds to GOAA Bulletin # 2	14	14	06-Dec-25	19-Dec-25	-135	0%	
TIA 1.114	Review Approve Pricing Bulletin # 2	27	27	20-Dec-25	15-Jan-26	-135	0%	
TIA 1.115	Change Drawing Set to Match New Design	10	10	16-Jan-26	29-Jan-26	-92	0%	
TIA 1.116	Review Approve Drawings for New Design	14	14	30-Jan-26	12-Feb-26	-135	0%	
TIA 1.105	Procure Material for RFI 001 002 Security Gate Access Control System	30	30	13-Feb-26	26-Mar-26	-85	0%	
CON.GOAA.1008	New Gate Access	5	5	27-Mar-26	06-Apr-26	-85	0%	-86
CON.GOAA.1009	Sod	5	5	02-Apr-26	09-Apr-26	-85	0%	-86
CON.GOAA.1006	Fencing	5	5	10-Apr-26	17-Apr-26	-85	0%	-85
ML1040	Substantial Completion (12/7/25)	0	0		17-Apr-26	-132	0%	-133
ML1060	Project Complete (3/6/26)	0	0		16-Jul-26	-132	0%	-133

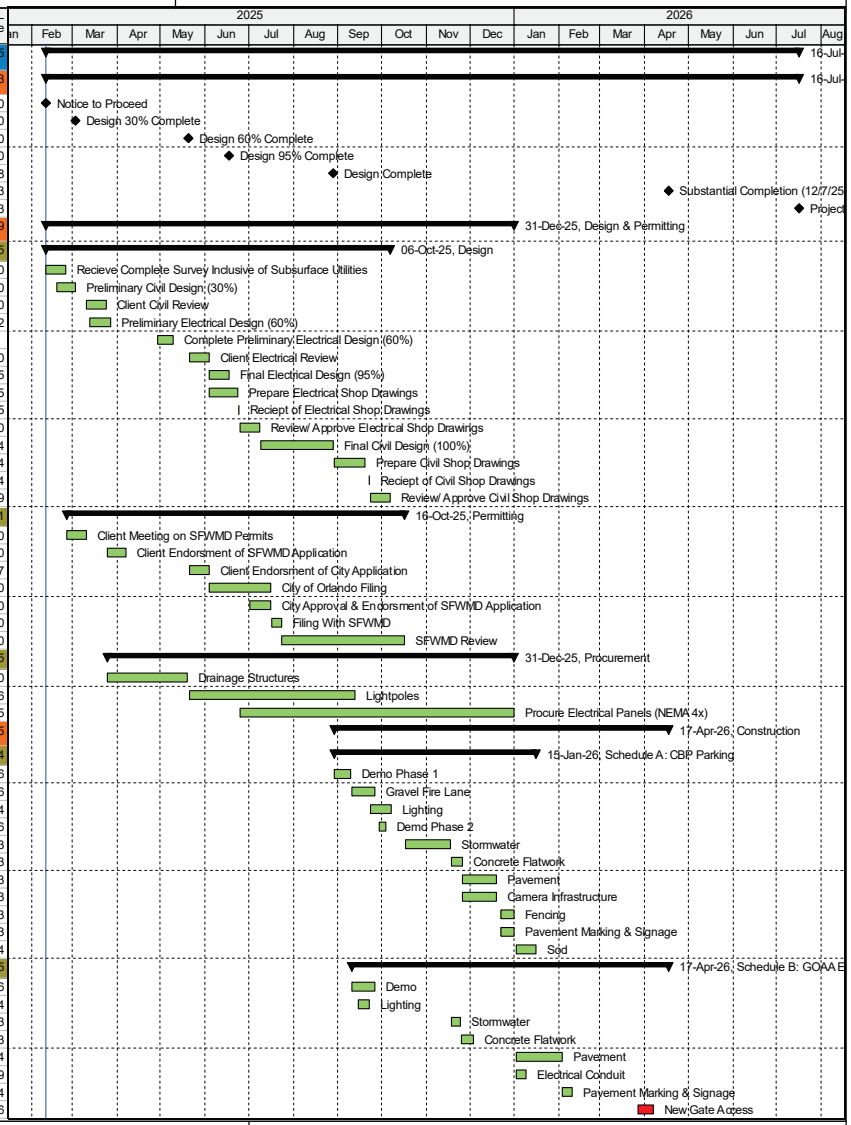
ATTACHMENTS

1. H-S00031 Terminal C Employee Parking Lot Enhancement Security Access Control System TIA 1 Full
2. H-S00031 Terminal C Employee Parking Lot Enhancement Security Access Control System TIA 1 LP
3. H-S00031 Terminal C Employee Parking Lot Enhancement Security Access Control System TIA 1 Frag Only
4. HS00031 Terminal C Parking Lot Enhancements Security Access Control System TIA 1 5-29-25 xer

HS00031 TIA 1-1-H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gate Access R1

Data Date: 11-Feb-25

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	Physical % Complete	Variance - BL Project Finish Date
H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gat		373	373	11-Feb-25	16-Jul-26	-94		-95
Milestones and Admin		521	521	11-Feb-25	16-Jul-26	-132		-133
MIL1010	Notice to Proceed	0	0	11-Feb-25		-135	0%	0
MIL1061	Design 30% Complete	0	0		03-Mar-25	278	0%	0
MIL1062	Design 60% Complete	0	0		20-May-25	200	0%	-50
MIL1063	Design 95% Complete	0	0		17-Jun-25	172	0%	-50
MIL1064	Design Complete	0	0		28-Aug-25	100	0%	-48
MIL1040	Substantial Completion (12/7/25)	0	0		17-Apr-26	-132	0%	-133
MIL1060	Project Complete (3/6/26)	0	0		16-Jul-26	-132	0%	-133
Design & Permitting		232	232	11-Feb-25	31-Dec-25	-18		-39
Design		170	170	11-Feb-25	06-Oct-25	44		-35
DES.1001	Recieve Complete Survey Inclusive of Subsurface Utilities	10	10	11-Feb-25	24-Feb-25	-3	0%	0
DES.1003	Preliminary Civil Design (30%)	10	10	18-Feb-25	03-Mar-25	-3	0%	0
DES.1002	Client Civil Review	14	14	11-Mar-25	24-Mar-25	8	0%	0
DES.1004	Preliminary Electrical Design (60%)	11	11	13-Mar-25	27-Mar-25	-10	0%	2
DES.1015	Complete Preliminary Electrical Design (60%)	9	9	29-Apr-25	09-May-25	-41	0%	
DES.1005	Client Electrical Review	14	14	21-May-25	03-Jun-25	-68	0%	-50
DES.1006	Final Electrical Design (95%)	10	10	04-Jun-25	17-Jun-25	119	0%	-35
DES.1007	Prepare Electrical Shop Drawings	14	14	04-Jun-25	23-Jun-25	-47	0%	-35
DES.1008	Reciept of Electrical Shop Drawings	1	1	24-Jun-25	24-Jun-25	-47	0%	-35
DES.1009	Review/ Approve Electrical Shop Drawings	14	14	25-Jun-25	08-Jul-25	-40	0%	-50
DES.1011	Final Civil Design (100%)	37	37	09-Jul-25	28-Aug-25	-27	0%	-34
DES.1012	Prepare Civil Shop Drawings	15	15	29-Aug-25	19-Sep-25	-26	0%	-34
DES.1013	Reciept of Civil Shop Drawings	1	1	22-Sep-25	22-Sep-25	-26	0%	-34
DES.1014	Review/ Approve Civil Shop Drawings	14	14	23-Sep-25	06-Oct-25	-39	0%	-49
Permitting		168	168	25-Feb-25	16-Oct-25	-35		-41
PER.1001	Client Meeting on SFWMD Permits	10	10	25-Feb-25	10-Mar-25	6	0%	0
PER.1002	Client Endorsment of SFWMD Application	14	14	25-Mar-25	07-Apr-25	8	0%	0
PER.1003	Client Endorsment of City Application	14	14	21-May-25	03-Jun-25	-49	0%	-57
PER.1004	City of Orlando Filing	30	30	04-Jun-25	16-Jul-25	-34	0%	-40
PER.1005	City Approval & Endorsment of SFWMD Application	10	10	02-Jul-25	16-Jul-25	-34	0%	-40
PER.1006	Filing With SFWMD	5	5	17-Jul-25	23-Jul-25	-34	0%	-40
PER.1007	SFWMD Review	60	60	24-Jul-25	16-Oct-25	-34	0%	-40
Procurement		195	195	25-Mar-25	31-Dec-25	-35		-35
PRO.1002	Drainage Structures	40	40	25-Mar-25	19-May-25	71	0%	0
PRO.1003	Lightpoles	80	80	21-May-25	12-Sep-25	39	0%	-36
PRO.1001	Procure Electrical Panels (NEMA 4x)	130	130	25-Jun-25	31-Dec-25	-47	0%	-35
Construction		145	145	29-Aug-25	17-Apr-26	-85		-85
Schedule A: CBP Parking		84	84	29-Aug-25	15-Jan-26	-24		-24
CON.CBP.1001	Demo Phase 1	5	5	29-Aug-25	09-Sep-25	-20	0%	-26
CON.CBP.1009	Gravel Fire Lane	10	10	10-Sep-25	26-Sep-25	-20	0%	-26
CON.CBP.1008	Lighting	10	10	23-Sep-25	07-Oct-25	34	0%	34
CON.CBP.1010	Demo Phase 2	5	5	29-Sep-25	03-Oct-25	-20	0%	-26
CON.CBP.1002	Stormwater	20	20	17-Oct-25	17-Nov-25	-28	0%	-33
CON.CBP.1004	Concrete Flatwork	6	6	18-Nov-25	25-Nov-25	-24	0%	-33
CON.CBP.1003	Pavement	15	15	26-Nov-25	19-Dec-25	-24	0%	-33
CON.CBP.1005	Camera Infrastructure	15	15	26-Nov-25	19-Dec-25	-24	0%	-33
CON.CBP.1006	Fencing	5	5	22-Dec-25	31-Dec-25	-24	0%	-33
CON.CBP.1007	Pavement Marking & Signage	5	5	22-Dec-25	31-Dec-25	-24	0%	-33
CON.CBP.1011	Sod	10	10	02-Jan-26	15-Jan-26	-24	0%	-24
Schedule B: GOAA Employee Parking		140	140	10-Sep-25	17-Apr-26	-85		-85
CON.GOAA.1001	Demo	10	10	10-Sep-25	26-Sep-25	5	0%	-26
CON.GOAA.1010	Lighting	5	5	15-Sep-25	22-Sep-25	34	0%	34
CON.GOAA.1002	Stormwater	5	5	18-Nov-25	24-Nov-25	-28	0%	-33
CON.GOAA.1004	Concrete Flatwork	5	5	25-Nov-25	03-Dec-25	-28	0%	-33
CON.GOAA.1003	Pavement	20	20	02-Jan-26	02-Feb-26	-44	0%	-44
CON.GOAA.1005	Electrical Conduit	5	5	02-Jan-26	08-Jan-26	-44	0%	-49
CON.GOAA.1007	Pavement Marking & Signage	5	5	03-Feb-26	09-Feb-26	-44	0%	-44
CON.GOAA.1008	New Gate Access	5	5	27-Mar-26	06-Apr-26	-85	0%	-86



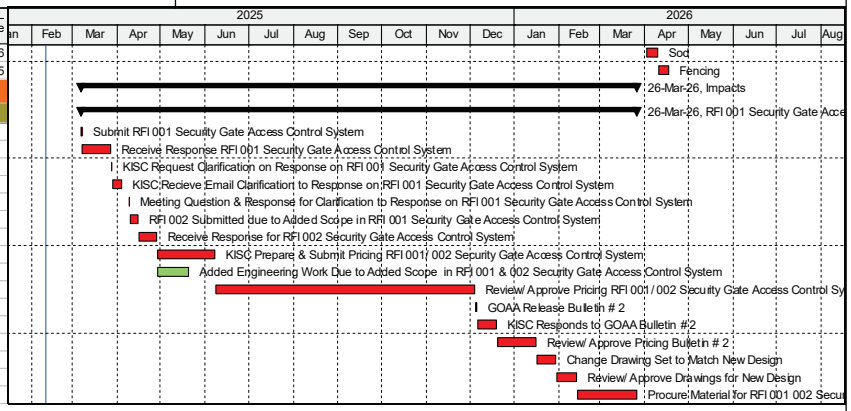
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

Activity Network Diagram

HS00031 TIA 1-1-H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gate Access R1

Data Date: 11-Feb-25

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	Physical % Complete	Variance - BL Project Finish Date
CON.GOAA.1009	Sod	5	5	02-Apr-26	09-Apr-26	-85	0%	-86
CON.GOAA.1006	Fencing	5	5	10-Apr-26	17-Apr-26	-85	0%	-85
Impacts		275	275	07-Mar-25	26-Mar-26	-94		
RFI 001 Security Gate Access Control System		275	275	07-Mar-25	26-Mar-26	-94		
TIA.1.101	Submit RFI 001 Security Gate Access Control System	1	1	07-Mar-25	07-Mar-25	-90	0%	
TIA.1.102	Receive Response RFI 001 Security Gate Access Control System	20	20	08-Mar-25	27-Mar-25	-135	0%	
TIA.1.106	KISC Request Clarification on Response on RFI 001 Security Gate Access Control System	1	1	28-Mar-25	28-Mar-25	-135	0%	
TIA.1.107	KISC Recieve Email Clarification to Response on RFI 001 Security Gate Access Control Sy	7	7	29-Mar-25	04-Apr-25	-135	0%	
TIA.1.108	Meeting Question & Response for Clarification to Response on RFI 001 Security Gate Acc	1	1	09-Apr-25	09-Apr-25	-135	0%	
TIA.1.109	RFI 002 Submitted due to Added Scope in RFI 001 Security Gate Access Control System	6	6	10-Apr-25	15-Apr-25	-135	0%	
TIA.1.110	Receive Response for RFI 002 Security Gate Access Control System	13	13	16-Apr-25	28-Apr-25	-135	0%	
TIA.1.103	KISC Prepare & Submit Pricing RFI 001/ 002 Security Gate Access Control System	40	40	29-Apr-25	07-Jun-25	-135	0%	
TIA.1.111	Added Engineering Work Due to Added Scope in RFI 001 & 002 Security Gate Access Co	22	22	29-Apr-25	20-May-25	-68	0%	
TIA.1.104	Review/ Approve Pricing RFI 001/ 002 Security Gate Access Control System	180	180	08-Jun-25	04-Dec-25	-135	0%	
TIA.1.112	GOAA Release Bulletin # 2	1	1	05-Dec-25	05-Dec-25	-135	0%	
TIA.1.113	KISC Responds to GOAA Bulletin # 2	14	14	06-Dec-25	19-Dec-25	-135	0%	
TIA.1.114	Review/ Approve Pricing Bulletin # 2	27	27	20-Dec-25	15-Jan-26	-135	0%	
TIA.1.115	Change Drawing Set to Match New Design	10	10	16-Jan-26	29-Jan-26	-92	0%	
TIA.1.116	Review/ Approve Drawings for New Design	14	14	30-Jan-26	12-Feb-26	-135	0%	
TIA.1.105	Procure Material for RFI 001 002 Security Gate Access Control System	30	30	13-Feb-26	26-Mar-26	-85	0%	



Actual Work
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Critical Remaining Work
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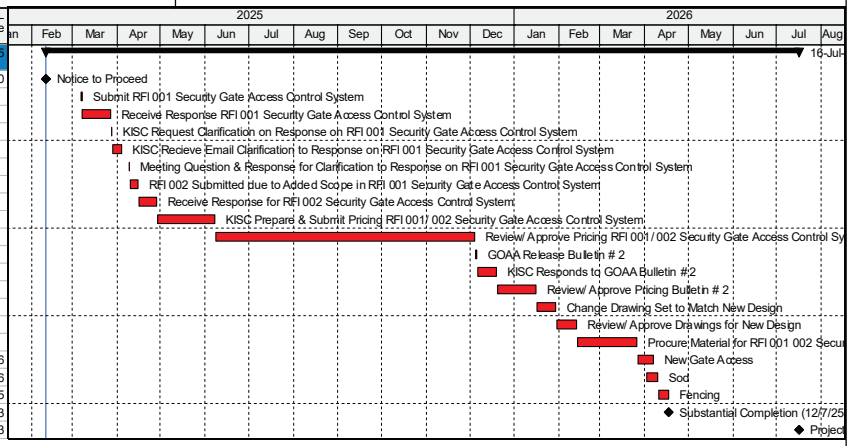
Activity Network Diagram

HS00031 TIA 1-1-H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gate Access R1

Data Date: 11-Feb-25

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	Physical % Complete	Variance - BL Project Finish Date
H-S00031 Terminal C Employee Parking Lot Enhancements TIA 1 RFI 001 Gat		373	373	11-Feb-25	16-Jul-26	-94		-95
MIL1010	Notice to Proceed	0	0	11-Feb-25		-135	0%	0
TIA.1.101	Submit RFI 001 Security Gate Access Control System	1	1	07-Mar-25	07-Mar-25	-90	0%	
TIA.1.102	Receive Response RFI 001 Security Gate Access Control System	20	20	08-Mar-25	27-Mar-25	-135	0%	
TIA.1.106	KISC Request Clarification on Response on RFI 001 Security Gate Access Control System	1	1	28-Mar-25	28-Mar-25	-135	0%	
TIA.1.107	KISC Recieve Email Clarification to Response on RFI 001 Security Gate Access Control Sy	7	7	29-Mar-25	04-Apr-25	-135	0%	
TIA.1.108	Meeting Question & Response for Clarification to Response on RFI 001 Security Gate Acc	1	1	09-Apr-25	09-Apr-25	-135	0%	
TIA.1.109	RFI 002 Submitted due to Added Scope in RFI 001 Security Gate Access Control System	6	6	10-Apr-25	15-Apr-25	-135	0%	
TIA.1.110	Receive Response for RFI 002 Security Gate Access Control System	13	13	16-Apr-25	28-Apr-25	-135	0%	
TIA.1.103	KISC Prepare & Submit Pricing RFI 001/ 002 Security Gate Access Control System	40	40	29-Apr-25	07-Jun-25	-135	0%	
TIA.1.104	Review/ Approve Pricing RFI 001 / 002 Security Gate Access Control System	180	180	08-Jun-25	04-Dec-25	-135	0%	
TIA.1.112	GOAA Release Bulletin # 2	1	1	05-Dec-25	05-Dec-25	-135	0%	
TIA.1.113	KISC Responds to GOAA Bulletin # 2	14	14	06-Dec-25	19-Dec-25	-135	0%	
TIA.1.114	Review/ Approve Pricing Bulletin # 2	27	27	20-Dec-25	15-Jan-26	-135	0%	
TIA.1.115	Change Drawing Set to Match New Design	10	10	16-Jan-26	29-Jan-26	-92	0%	
TIA.1.116	Review/ Approve Drawings for New Design	14	14	30-Jan-26	12-Feb-26	-135	0%	
TIA.1.105	Procure Material for RFI 001 002 Security Gate Access Control System	30	30	13-Feb-26	26-Mar-26	-85	0%	
CON.GOAA.1008	New Gate Access	5	5	27-Mar-26	06-Apr-26	-85	0%	-86
CON.GOAA.1009	Sod	5	5	02-Apr-26	09-Apr-26	-85	0%	-86
CON.GOAA.1006	Fencing	5	5	10-Apr-26	17-Apr-26	-85	0%	-85
MIL1040	Substantial Completion (12/7/25)	0	0		17-Apr-26	-132	0%	-133
MIL1060	Project Complete (3/6/26)	0	0		16-Jul-26	-132	0%	-133



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Impacts		275	275	07-Mar-25	26-Mar-26	-94		
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TIA.1.109	RFI 002 Submitted due to Added Scope in RFI 001 Security Gate Access Control System	6	6	10-Apr-25	15-Apr-25	-135	0%	
TIA.1.110	Receive Response for RFI 002 Security Gate Access Control System	13	13	16-Apr-25	28-Apr-25	-135	0%	
TIA.1.103	KISC Prepare & Submit Pricing RFI 001/ 002 Security Gate Access Control System	40	40	29-Apr-25	07-Jun-25	-135	0%	
TIA.1.111	Added Engineering Work Due to Added Scope in RFI 001 & 002 Security Gate Access C	22	22	29-Apr-25	20-May-25	-68	0%	
TIA.1.104	Review/ Approve Pricing RFI 001/ 002 Security Gate Access Control System	180	180	08-Jun-25	04-Dec-25	-135	0%	
TIA.1.112	GOAA Release Bulletin # 2	1	1	05-Dec-25	05-Dec-25	-135	0%	
TIA.1.113	KISC Responds to GOAA Bulletin # 2	14	14	06-Dec-25	19-Dec-25	-135	0%	
TIA.1.114	Review/ Approve Pricing Bulletin # 2	27	27	20-Dec-25	15-Jan-26	-135	0%	
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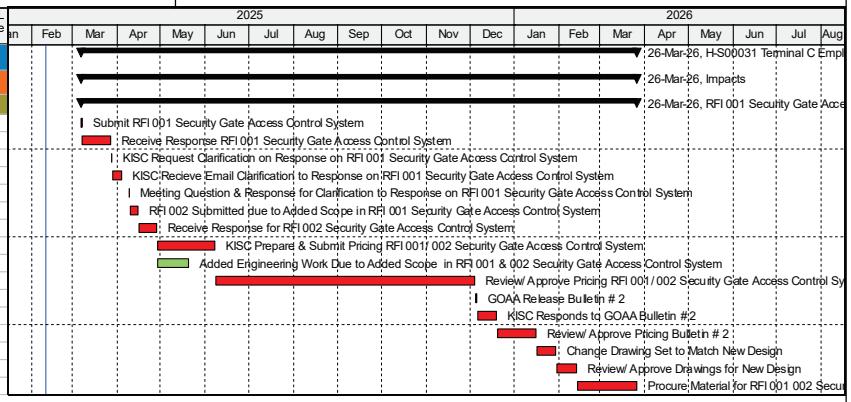
TIA.1.116	Review/ Approve Drawings for New Design	14	14	30-Jan-26	12-Feb-26	-135	0%	
TIA.1.105	Procure Material for RFI 001 002 Security Gate Access Control System	30	30	13-Feb-26	26-Mar-26	-85	0%	



Actual Work
Remaining Work
Critical Remaining Work
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Summary

Activity Network Diagram

BULLETIN

PROJECT NO. & NAME:	H-S00031 Terminal C Employee Parking Enhancements (D/B)	
BULLETIN NO.:	2	
ISSUANCE DATE:	12/3/25	
CONTRACTOR:	Kiewit Infrastructure South Co.	
DESIGNER / DCC*::	N/A	(*DCC – Design Criteria Consultant)
OAR:	The Corradino Group, Inc.	
REQUESTED BY:	Eric McClung, GOAA Operations – Parking Management	
PREPARED BY:	Herve Apollon, OAR	
ISSUED BY:	Herve Apollon, OAR	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR.
This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	Revise contract documents to remove requirement for providing parking management card system only. Reference attached specific sections from the DCP, pre-bid meeting minutes, addendum 2 and addendum 3. The separate access control system at the new security gate shall remain as contract scope requirement per the contract documents. Remove the Parking Management Card System from the project scope and prepare a Request for Change Order (RCO) proposal reflecting the deduction of this work from the base contract. Ensure that all associated materials, labor, and related costs are appropriately credited in the proposal.	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	The Owner has determined that the Parking Management Card System identified in the Contract Documents is no longer required.
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

☒ ATTACHMENTS INCLUDED:
DCP - Schedule B
Pre-Bid Meeting Minutes, Addendum 2 Item 3
Addendum 2 Question 42 Response
Addendum 3 Question 19 Response

Greater Orlando Aviation Authority

Published By: Carmen H
Reviewed By: Nils Johns

CCM HANDOUT
4/28/2026
Item III-I
Revised Memo

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 15	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**102 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01023 Airsides 2 and 4 COOP Ramps (D/B)	DATE: 04/28/2026
CONTRACTOR:	Clancy & Theys Construction Company	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item 1 – RFI 14 – APM Platform Canopies at Airside 2 and 4 - Provide all engineering, permitting, labor, materials, and equipment to install new lighting at the Airside 2 (AS2) and Airside 4 (AS4) Automated People Mover (APM) platform canopies. The scope for AS4 consists of furnishing and installing five (5) new 4-foot vaportite strip lights mounted to the canopy structure and two (2) spotlights mounted to the canopy columns for the APM wash platform. The scope for AS2 consists of furnishing and installing six (6) new 4-foot vaportite strip lights mounted to the canopy structure and two (2) spotlights mounted to the canopy columns for the APM wash platform at AS2. Work includes demolition of four (4) existing light poles and associated circuitry, routing new conduit and wiring to match existing systems, and tying all new fixtures into existing lighting controls and power circuits. Additionally, the scope includes lightning protection, down-conductors and temporary lighting as required.

ADD: $58,839.15

Item 2 – RFI 16 – APM Platform Canopy Drainage - Provide all design, labor, materials, and equipment to install a drainage system for both AS2 and AS4 APM canopies located on the transfer level. Each canopy wet column shall drain into a 2-inch line that feeds into a 4-inch branch line utilizing hubless cast iron drainage pipe. Each branch line shall lead to a single downspout.

ADD: $22,483.78

Item 3 – RFI 17 – AS2 Passenger Loading Area Curbing - Provide all labor, materials, and equipment to install 175 liner feet of 6-inch concrete curb at the AS2 passenger loading area. The new curb is to be painted safety yellow. Sandbags are to be provided for temporary water control until curbing can be installed. This item replaces Field Change Order No. 2.

ADD: $22,466.24

Item 4 – RFI 18 - AS4 Passenger Loading Area Drainage - Provide all design, labor, materials, and equipment to install an overhead drainage system at the existing AS4 APM canopy located on the ramp level. The canopy wet columns shall drain into a 2-inch line that feeds into a 4-inch branch line utilizing hubless cast iron drainage pipe. Each branch line shall lead to a single downspout.

ADD: $46,986.01

Item 5 – RFI 19 - AS2 Passenger Loading Area Gates - Provide all design, labor, materials, and equipment to install two (2) new rolling gates and additional fencing at the AS2 APM canopy bus loading zone. Rolling gates and fencing shall match existing materials.

ADD: $1,836.48

Item 6 – Allowance Reduction: Reduce Allowance 2 by ($152,611.66) from $257,476.87 to $104,865.21 to cover the costs associated with Items 1 through 5 above.

DEDUCT: ($152,611.66)

Item 7 – Time Extension – Increase the Contract Time for Substantial Completion date by 102 calendar days, from 579 calendar days to 681 calendar days, associated with the additional canopies and drainage being installed at AS2 and AS4, transfer level, leading to the switchback ramps. Time extension also includes the additional curbs being installed on the ramp level of AS2 and the additional drainage being installed on the ramp level of AS4.

ADD: $0.00

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

This Change Order includes multiple items of Owner-requested additional work to increase the number of canopy structures and associated improvements under the Contract.

The costs associated with these items do not exceed the established allowance and have been developed to reflect the labor, materials, equipment, and coordination required to deliver a complete and functional installation. Time is of the essence.

The cost of the Work to be performed under this Change Order is expected to have been greater if this added scope caused the Contractor to mobilize for a new project along with additional administrative efforts required. The OAR has independently evaluated and estimated the scope of work and has reviewed the Contractor's proposal in its entirety. Based on the review, the OAR finds the pricing to be fair and reasonable and under market costs in alignment with current market conditions.

This Change Order supports the continued progress of the project and facilitates the timely implementation of Owner-directed enhancements.

Item 1 – Owner Requested – The new canopies installed at AS2 and AS4 require supplemental lighting to meet operational, safety, and visibility requirements. This change order compensates the contractor for the design and installation of new lighting for the canopy structures.

Item 2 – Owner Requested – At the Owner's request, the Contractor was directed to provide a canopy drainage system at AS2 and AS4 APM platforms. The work is to add piping connected to columns to allow rainwater to be routed to downspouts, rather than draining directly from columns per RFI 15. This work is necessary to properly collect and convey rainwater from canopy wet columns to designated downspouts, in order to prevent water accumulation and potential damage to the structure and surrounding areas.

Item 3 – Owner Requested – During heavy rainfalls the AS2 canopy at the bus loading zone becomes flooded with water. At the request of the Customer Experience Team, the Contractor is to provide a solution to the flooding issue. It was determined that a safety curb is to be installed to redirect rainwater from the bus loading zone. As a temporary measure sandbags will be installed during the construction of the new curb.

Item 4 – Owner Requested – – During heavy rainfalls the AS4 canopy bus loading zone becomes flooded with water. At the request of the Customer Experience team, the Contractor is to provide a solution to the flooding issue. It was determined that new canopy drainage will be

installed to redirect the rainwater to a downspout that will be located beyond the bus loading zone canopy.

Item 5 – Owner Requested – During the substantial completion inspection of the AS2 bus loading zone, it was indicated that the loading zone should be fully fenced in for better operational and passenger traffic flow purposes, as directed per RFI 19. This change order installs two (2) gates and additional fencing on the front face of the loading zone which will enclose the entire passenger loading area.

Item 6 – Allowance Reconciliation – This item is to reconcile the costs in items 1 through 5 above with the AS2 & AS4 Canopy Allowance that was established in change order 13.

Item 7 – Time Extension – During the Continuity of Operations Plan (COOP) (post POUAs), the Airport experienced significant rainfall events that resulted in recurring flooding at both AS2 and AS4 COOP ramps leading to Customer Experience requesting a solution to the ongoing flooding issues. It was determined that the installation of additional drainage and curbing was necessary to effectively mitigate the flooding conditions. The time needed to design the solution for all of the flooding issues and canopy lighting to include cost proposals for all items listed in this change order and requiring Board approval resulted in the contractual substantial completion date being impacted by a total of 102 calendar days.

SOURCE OF FUNDS: General Airport Revenue Bonds (GARBs)			
Is above change within the intended scope of the original contract? Yes ☒ No ☐ EXPLAIN:			
Bulletin(s) or RFI(s) resolved by this CO:	RFIs 14, 16, 17, 18 and 19		(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	FCO 02		(Copy Attached)
Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO? Yes ☒ No ☐			
If No, EXPLAIN what is excluded and why:			
Contractor's Original RCO Submission	$ 152,703.51		
GOAA/OAR Estimate	$ 130,693.36		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Carmen Hernandez			PHONE: 4072029981

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

Published By: Carmen Hernandez
Reviewed By: Nils Johnson

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 15	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**102 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01023 Airsides 2 and 4 COOP Ramps (D/B)	DATE: 04/28/2026
CONTRACTOR:	Clancy & Theys Construction Company	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item 1 – RFI 14 – APM Platform Canopies at Airside 2 and 4 - Provide all engineering, permitting, labor, materials, and equipment to install new lighting at the Airside 2 (AS2) and Airside 4 (AS4) Automated People Mover (APM) platform canopies. The scope for AS4 consists of furnishing and installing five (5) new 4-foot vaportite strip lights mounted to the canopy structure and two (2) spotlights mounted to the canopy columns for the APM wash platform. The scope for AS2 consists of furnishing and installing six (6) new 4-foot vaportite strip lights mounted to the canopy structure and two (2) spotlights mounted to the canopy columns for the APM wash platform at AS2. Work includes demolition of four (4) existing light poles and associated circuitry, routing new conduit and wiring to match existing systems, and tying all new fixtures into existing lighting controls and power circuits. Additionally, the scope includes lightning protection, down-conductors and temporary lighting as required.

ADD: $58,839.15

Item 2 – RFI 16 – APM Platform Canopy Drainage - Provide all design, labor, materials, and equipment to install a drainage system for both AS2 and AS4 APM canopies located on the transfer level. Each canopy wet column shall drain into a 2-inch line that feeds into a 4-inch branch line utilizing hubless cast iron drainage pipe. Each branch line shall lead to a single downspout.

ADD: $22,483.78

Item 3 – RFI 17 – AS2 Passenger Loading Area Curbing - Provide all labor, materials, and equipment to install 175 liner feet of 6-inch concrete curb at the AS2 passenger loading area. The new curb is to be painted safety yellow. Sandbags are to be provided for temporary water control until curbing can be installed. This item replaces Field Change Order No. 2.

ADD: $22,466.24

Item 4 – RFI 18 - AS4 Passenger Loading Area Drainage - Provide all design, labor, materials, and equipment to install an overhead drainage system at the existing AS4 APM canopy located on the ramp level. The canopy wet columns shall drain into a 2-inch line that feeds into a 4-inch branch line utilizing hubless cast iron drainage pipe. Each branch line shall lead to a single downspout.

ADD: $46,986.01

Item 5 – RFI 19 - AS2 Passenger Loading Area Gates - Provide all design, labor, materials, and equipment to install two (2) new rolling gates and additional fencing at the AS2 APM canopy bus loading zone. Rolling gates and fencing shall match existing materials.

ADD: $1,836.48

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ADD: $0.00

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item 1 – Owner Requested – The new canopies installed at AS2 and AS4 require supplemental lighting to meet operational, safety, and visibility requirements. This change order compensates the contractor for the design and installation of new lighting for the canopy structures.

Item 2 – Owner Requested – At the Owner's request, the Contractor was directed to provide a canopy drainage system at AS2 and AS4 APM platforms. The work is to add piping connected to columns to allow rainwater to be routed to downspouts, rather than draining directly from columns per RFI 15. This work is necessary to properly collect and convey rainwater from canopy wet columns to designated downspouts, in order to prevent water accumulation and potential damage to the structure and surrounding areas.

Item 3 – Owner Requested – During heavy rainfalls the AS2 canopy at the bus loading zone becomes flooded with water. At the request of the Customer Experience Team, the Contractor is to provide a solution to the flooding issue. It was determined that a safety curb is to be installed to redirect rainwater from the bus loading zone. As a temporary measure sandbags will be installed during the construction of the new curb.

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Item 6 – Allowance Reconciliation – This item is to reconcile the costs in items 1 through 5 above with the AS2 & AS4 Canopy Allowance that was established in change order 13.

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order and requiring Board approval resulted in the contractual substantial completion date being impacted by a total of 102 calendar days.

SOURCE OF FUNDS: General Airport Revenue Bonds (GARBs)			
Is above change within the intended scope of the original contract? Yes ☒ No ☐ EXPLAIN:			
Bulletin(s) or RFI(s) resolved by this CO:	RFIs 14, 16, 17, 18 and 19		(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	FCO 02		(Copy Attached)
Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO? Yes ☒ No ☐			
If No, EXPLAIN what is excluded and why:			
Contractor's Original RCO Submission	$ **152,703.51**		
GOAA/OAR Estimate	$		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Carmen Hernandez			PHONE: 4072029981

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

Item 1

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, FL 34787

T. 407.578.1449
www.clancytheys.com

Date:

PCO# - 17 - APM Plaform Lighting
7297- V-1023 AS2 and AS4 COOP Ramps

To: Greater Orlando Aviation Auth
5850 Cargo Road
Orlando, FL 32827

From: Clancy & Theys Construction Company
1401 Beulah Road, Suite 124
Winter Garden, FL 34787

PCO# - 17 - APM Plaform Lighting

Description: This proposal is to furnish labor and materials requried to add (5) new 4' vaportite strip lights and (2) spot lights at the new AS4 canopy, and (6) new 4' vaportite strip lights and (2) spot lights at the new AS2 canopy.

Engineering is included. Based on preliminary calculations, it appears the existing circuits at the ramp canopies an be utilized.

Permit fees are included.

Lightning protection is included.

Temporary lights are included.

Description	Scope of Work	Cost
Electrical - Subcontract		45,553.91
Electrical - Other		786.49
Lightning Protection - Other		7,000.00
Cost of Work Subtotal		**$53,340.40**
Markup		
Liability Insurance	0.8113%	432.75
Sub Default Insurance	1.2%	640.08
Technology Services	0.2975%	158.69
Fee	8%	4,267.23
Markup Subtotals		**$5,498.75**
PCO Total:		**$58,839.15**

Greater Orlando Aviation Auth

By: _____

Print: _____

Date: _____

Clancy & Theys Construction Company

By: _____

Print: _____

Date: _____

INVOICE

SEND ALL PAYMENTS TO:

SUNBELT RENTALS, INC.
PO BOX 409211
ATLANTA, GA 30384-9211

SUNBELT RENTALS®

INVOICE NO.	180466098-0002
ACCOUNT NO.	3576
INVOICE DATE	3/12/26
PAGE	1 of 1

INVOICE TO

1oz - 150 - 150
CLANCY & THEYS CONSTRUCTION CO
1401 BEULAH ROAD
SUITE 124
WINTER GARDEN, FL 34787

JOB ADDRESS

AIRSIDE 2
1 JEFF FUQUA BLVD
ORLANDO, FL 32827 4392

407-676-2529

RECEIVED BY	CONTRACT NO.
HARVEY, KEVIN	180466098
PURCHASE ORDER NO.	
NR	
JOB NO.	
AIRSIDE 2	

BRANCH

ORLANDO PC012
1272 JETPORT DR
ORLANDO, FL 32809 7826
407-855-0050

8 weeks

QTY	EQUIPMENT #	Min	Day	Week	4 Week	Amount
1.00	2000 WATT PORTABLE LIGHT CART 115V 10817855 Make: LIND Model: LE980LED-CART-T Ser #: LE980LED-CRT-2062	18.00	18.00	45.00	115.00	115.00
1.00	2000 WATT PORTABLE LIGHT CART 115V 11154631 Make: LIND Model: LE978LED-CART-T Ser #: L;E-CART-A-221	18.00	18.00	45.00	115.00	115.00
	Rental Sub-total:					$460 ~~230.00~~

SALES ITEMS:

Qty	Item number	Unit	Price	
1	DLPKSRCHG TRANSPORTATION SURCHARGE	EA	43.750	43.75
	DELIVERY CHARGE			125.00
	PICKUP CHARGE			125.00

BILLED FOR FOUR WEEKS 2/24/26 THRU 3/23/26.

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.
PO BOX 409211
ATLANTA, GA 30384-9211

NET 30
Invoices not paid within 30 days may be subject to a 1-½% per month charge.

TERRY JOHNSON terry.johnson@sunbeltrentals.com

SUBTOTAL	753.75	~~523.75~~
SALES TAX	32.74	~~17.80~~
INVOICE TOTAL	786.49	~~541.55~~

4 WEEK BILL

Electric Services, Inc.

INDUSTRIAL COMMERCIAL ELECTRICAL CONTRACTORS & ENGINEERS

EC#13004103 CA#9435

1746 U.S. Highway 441, Leesburg, FL 34748

Telephone (352) 787-1322 Fax (352) 787-7871

Date: 3/19/2026

Clancy & Theys Construction Company
1401 Beulah Road - suite 124
Winter Park, FL 34787
Attn: Kevin Harvey

Project: **OIA AS 2 & 4 Canopy Lighting**

Kevin,
Electric Services, Inc. is pleased to offer the following proposal for the above referenced project. Electric Services will supply all equipment, material and labor necessary to complete the system as described in scope of work.

GENERAL SCOPE OF WORK:

1. Demo of a total of four light poles and associated circuitry; two per airside.
2. Add five (5) 4-foot LED strip fixtures (Beghelli BS100LED-4HT-HO-WT50-120-277V-FA) and two (2) LED Flood lights (Acuity ESXF3-ALO-SWW2-YS-DDB-M2) towards the top of columns at new AS4 Canopy.
3. Add six (6) 4-foot LED strip fixtures (Beghelli BS100LED-4HT-HO-WT50-120-277V-FA) and two (2) LED Flood lights (Acuity ESXF3-ALO-SWW2-YS-DDB-M2) towards the top of columns at new AS2 Canopy.
4. Installation shall match existing lighting fixtures with 1/2" GRC conduit and SS hardware.
5. Provide lightning protection down conduits, 1" SCH80 PVC, to side of new canopy at each airside. Down conduits only, all other lightning protection items to be provided by others.
6. All new light fixtures are to tie into existing lighting controls and power circuits. No new controls are to be added with the exception of toggle switch control of added flood lights.
7. Signed and sealed electrical drawings for permit application, plus applicable electrical permit fees.

LIMITATIONS & EXCLUSIONS:

1. Work to be completed during days, no nights or overtime labor has been included.
2. Cutting or patching of concrete is not included.
3. No BMS, VSS, FA, or ACS conduit, wiring or terminations have been included.
4. Fee based on re-use of existing circuits. No panel load metering included. No new circuit back to the panels is included.
5. Painting or patching of drywall is by others.
6. Field painting of electrical equipment, including raceways is not included.
7. Proposal good for up to 30-days.

BASE BID: $45,553.91

Respectfully,

Wood T. Brazill, P.E.
Vice-President of Engineering

Electric Services, Inc.

Tele 352-787-1322 Fax 352-787-7871

SUMMARY SHEET

OIA AS 2 & 4 Canopy Lighting

March 19, 2026

ITEM NO.	Self-Performed - By Electric Services	MATERIAL-DOLLARS	LABOR-HOURS
1	BOM	7,139.87	260.01
2	*Light Fixtures*	3,075.40	
	Subcontractors Quotes		

			TOTAL - SUBCONTRACTORS QUOTES		$ -	
ADDITIONAL LABOR	HOURS		Miscellaneous Material and Labor		$ 10,215.27	260.01
Handling Material	13.00		Sales Tax		715.07	0.00
Superintendent			Additional Labor			52.00
Project Foreman	39.00		TOTALS - MATERIAL & SUB		$ 10,930.34	312.01
Contractual Negotiations		312.01	Standard Hours Labor @		$ 41.20	12,854.96
Estimating		-	Non-standard Labor @		$ 44.30	0.00
TOTAL (A)	52.00					0.00

UNITS	JOB EXPENSE	RATE	DOLLARS		
156.0	Field Truck - hrs	$ 9.50	$ 1,482.06	Labor Hours	Subtotal Labor	12,854.96
3.0	Field office - wks	$ 350.00	$ 1,050.00	42%	Labor Burden	5,399.08
			$ -	**LABOR COST GROSS TOTAL**		18,254.04
			$ -	Equipment/Tool Expense (B)		9,732.06
				Material Cost & Sub		10,930.34
1.0	Scisors Lift - wk	$ 750.00	$ 750.00	**TOTAL PRIME COST**		38,916.44
JOB EXPENSE				15%	ESI-Over Head & Profit	5,837.47
				10%	Sub - Overhead & Profit	0.00
				TOTAL NET COST		44,753.91
S&S electrical permit drawings			$ 6,450.00	Selling Price without Bond		44,753.91
Small Tools - Consumable			$ -	1.0%	Bond	n/a
Equipment Rental Cost - metering			$ -	Permit fees		800.00
		TOTAL (B)	$ 9,732.06	**"PRICE QUOTED"**		**$45,553.91**

Electric Services, Inc.

Tele 352-787-1322 Fax 352-787-7871

SUMMARY SHEET

OIA AS 2 & 4 Canopy Lighting

March 19, 2026

Quantity	Item Name	Material	U	Labor	U	Ext. Material	Ext. Labor
180	GRC CONDUIT 1/2	472.50	C	0.08	E	850.50	14.40
70	GRC COUPLING 1/2	124.50	C	0.10	E	87.15	7.00
70	C200 STRAP 1/2 SS	5.69	E	0.10	E	397.95	7.00
70	B-905 KENDORF SS 1 1/2	1,067.26	C	0.50	E	747.08	35.00
5	LB MA 1/2	15.14	E	0.47	E	75.68	2.33
200	SEALTITE 1/2	183.60	C	0.05	E	367.20	9.30
46	SEALTITE CONN 1/2	180.54	C	0.20	E	83.05	9.27
46	SEALTITE 90 CONN 1/2	280.80	C	0.23	E	129.17	10.70
4	GRFX119 Round Outlet Box	153.35	E	0.20	E	613.39	0.80
20	Appleton FSCD-1-50 1-Gang Box	61.60	E	0.20	E	1,232.01	4.00
20	Appleton FSK-1B-C 1-Gang Blank Plate	17.24	E	0.20	E	344.79	4.00
1500	# 12 THHN/THWN SOL	252.00	M	0.70	C	378.00	10.50
90	WIRE NUTS YELLOW	41.85	M	0.05	E	3.77	4.19
2	Marking Tape	19.23	E	0.02	E	38.46	0.04
1	PLASTIC TAPE	0.86	E	0.03	E	0.86	0.03
10	SMALL TIE WRAP	20.84	C	0.03	E	2.08	0.31
25	GRD SCREW (GRN)	36.45	C	0.03	E	9.11	0.78
150	# 10 X 1" TEK SCREW	4.73	C	0.03	E	7.09	4.65
40	6HOBSS 1/2" Conduit hanger SS	5.56	E	0.03	E	222.48	1.20
2	DS185 - 1G FS Box Switch Box	142.95	E	0.23	E	285.90	0.46
2	A1221-GY 20amp 120/277 SP Toggle	26.33	E	0.15	E	52.65	0.30
11	Mount 4' LED Fixtures	0.00	Q	1.25	E		13.75
4	Mount LED Flood Light	0.00	Q	1.25	E		5.00
60	3/8" Beam clamps MI	5.13	E	0.15	E	307.80	9.00
30	3/8" SS Nuts	1.28	E	0.07	E	38.48	2.10
80	3/8" Hex Head Bolts	1.69	E	0.07	E	135.00	5.60
120	SCH 80 PVC 1	231.00	C	0.10	E	277.20	12.00
24	Halexco 33210B 1" MI Clamp Back	2.15	E	0.09	E	51.60	2.16
24	Halexco 31210B 1" MI Clamp Front	2.56	E	0.09	E	61.44	2.16
1	Obtain Permit			2.00	E		2.00
1	CKT INVESTIGATION			6.00	E		6.00
1	DEMO OF EXISTING POLE LIGHTS			14.00	E		14.00
1	SUBMITTAL PREPERATION			2.00	E		2.00
1	CLOSE-OUT DOCUMENTATION			3.00	E		3.00
1	MEETINGS & PREPERATION			3.00	E		3.00
	**Accoutrement material and labor					339.99	52.00
	TOTAL					$7,139.87	260.01

**Accommodates for unaccounted for material in the takeoff, shipping charges, general material drop and etc. Does not include small tools.

Scott Stearns
4150 N. John Young Pkwy.
Orlando, Fl. 32804
PHONE: 407-244-8343
Email: scott.stearns@rexelusa.com

TO: Electric Services, Inc. - Leesburg **DATE:** 3/19/2026

PROJECT: OIA - AS2 & 4 Canopy - Fixtures - ***Revised*** **ATTN:** Woody Brazill

We are pleased to quote the following.

QUANTITY	ITEM	UNIT	TOTAL
11	Beghelli BS100LED-4HT-HO-WT50-120-277V-FA	$ 210.00	$2,310.00
4	Acuity Brands Lighting (Lithonia) ESXF3-ALO-	$ 191.35	$765.40
	SWW2-YS-DDB-M2		
	Adjustable Light Output Switchable		
	CCT - 3000K/4000K/5000K YS Dark		
	Bronze Finish		
	Notes:		
	1.) Quoting As Specified		
	2.) Freight Allowed		

Prices are subject to change at any time prior to shipment unless agreed to otherwise in writing signed by an authorized Seller representative. Orders related to this quotation must be received, accepted and released by Seller within 48 hours of issuance of the quotation and are subject to availability. Delivery dates provided in advance of actual shipments are only estimates, not guaranteed and should not be relied on by Buyer. Seller shall not be liable for failure to meet such dates and Seller shall not be liable for any liquidated associated with late delivery or failure to perform any Seller obligations under the Order. Any Force Majeure events noticed by Seller's manufacturing partners or vendors shall be deemed a Seller Force Majeure event and shall excuse Seller from any obligations to Buyer subject of the Force Majeure event. Seller's current Standard Terms and Conditions of Sale are incorporated by reference into this quotation. A copy of the most current version of Seller's Standard Terms and Conditions of Sale is available at https://www.rexelusainc.com/terms/terms.html

Thank you,
Scott Stearns

GRAND TOTAL $ 3,840.80

Greater Orlando Aviation Authority

REQUEST FOR INFORMATION (RFI)

To: GREATER ORLANDO AVIATION AUTHORITY
Senior Project Manager

RFI No.: 14
Date: 2/10/2026
Sheet: 1 of 1

Project No. / Name: V-01023 Airsides 2 & 4 COOP Ramps

Date Information Required: ASAP

Reference: Contract Drawing: _____ Specification: _____
Shop Drawings: _____ Other: _____

Subject: APM Platform Canopies at AS-2 & AS-4

Please confirm that canopies are required at the APM Emergency Exit Platforms for AS-2 & AS-4.

Pending reply, proceeding as follows:

Contractor Signature: *Barry Buckman*

Response:

Provide all design, permitting, labor, materials, and equipment to fabricate and install (2) powder coated extruded aluminum canopies, approximately 13 ft x 46 ft. Also included shall be lighting and lightning protection if required.

A/E Signature: _____

GOAA (or OAR) Signature: _____

cc: A/E, OAR, GOAA

WORK SHEET - PRICING CONFIRMATION

Change Order No.15
Item No.1

Pricing Summary
V-01023 Airsides 2 and 4 COOP Ramps (D/B)
AS 2 & 4 Canopy Lighting

3/24/2026

Description	Unit	Contractors Base Bid Pricing Add Qty	Deduct Qty	Unit Price	Amount	Unit	OAR Estimate Add Qty	Deduct Qty	Unit Price	Amount	Unit	Final Change Order Cost Add Qty	Deduct Qty	Unit Price	Amount
Clancy & Theys Construction Company															
Materials	Lpsm		-	-	$ -	Lpsm	0.00			$ -	Lpsm		-	-	$ -
PM Labor	M.H		-	-	$ -	Lpsm	0.00		-	$ -	Lpsm		-	-	$ -
Supervision Labor	M.H		-	-	$ -								-	-	$ -
Supervision Labor	M.H		-	-	$ -								-	-	$ -
Foreman	M.H		-	-	$ -								-	-	$ -
Equipment	M.H		-	-	$ -	Lpsm	0.00			$ -	Lpsm		-	-	$ -
Portable Toilet	Lpsm		-	-	$ -	Lpsm	0.00		-	$ -	Lpsm		-	-	$ -
Insurance	Lpsm		-	-	$ -		0.00				Lpsm		-	-	$ -
Permit	Lpsm		-			Lpsm	0.00				Lpsm		-		
OAR Estimate						Lpsm	0.00	-		$ -					
Total:					$ -					$ -					$ -
G.C. Subtotal					$ -					$ -					$ -
Subcontractors															
ESI	Lpsm	1.0		45,553.91	$ 45,553.91	Lpsm	0.00			$ -	Lpsm	1.0		45,553.91	$ 45,553.91
AC Signs	Lpsm	-			$ -	Lpsm	0.00				Lpsm	-			$ -
Sunbelt	Lpsm	1.0		786.49	$ 786.49	Lpsm	0.00				Lpsm	1.0		786.49	$ 786.49
Rexel	Lpsm	1.0		7,000.00	$ 7,000.00		0.00				Lpsm	1.0		7,000.00	$ 7,000.00
Towers	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Titan	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Towers	Lpsm	-			$ -		0.00				Lpsm	-			$ -
OAR Estimate	Lpsm	-		-	$ -	Lpsm	1.0		49,318.98	$ 49,318.98	Lpsm	-		-	$ -
Subcontractor Mark-up		0.00%			$ -		0.00%			$ -		0.00%			$ -
Total:					$ 53,340.40					$ 49,318.98					$ 53,340.40
Sub Contractor Subtotal					$ 53,340.40					$ 49,318.98					$ 53,340.40
Liability Insurance		0.8113%			$ 432.75		0.8113%			$ 400.12		0.8113%			$ 432.75
Sub Default Insurance		1.2000%			$ 640.08		1.2000%			$ 591.83		1.2000%			$ 640.08
Technology Services		0.2975%			$ 158.69		0.2975%			$ 146.72		0.2975%			$ 158.69
Tax		6.5000%										6.5000%			
Subtotal					$ 54,571.92					$ 50,457.66					$ 54,571.92
G.C. Mark up on Sub Contrctor work		8.00%			$ 4,267.23		8.00%			$ 3,945.52		8.00%			$ 4,267.23
G.C. Mark up on self performed work		0.00%			$ -		0.00%					0.00%			$ -
Permit															
Grand Total					$ 58,839.15					$ 54,403.18					$ 58,839.15

OAR Estimate Summary
V-1023 - AS2 & 4 COOP Ramps
Transfer Level Canopy Lighting and Design

Description	Quantity	Unit	Material	Labor	Equipment	Cost
Permit	1	L.S.	$800.00	$0.00	$0.00	$800.00
UONs	6	MH	$0.00	$59.64	$0.00	$357.84
Light Pole Demo	16	MH	$0.00	$59.64	$0.00	$954.24
Submittals/Closeout/Meetings	8	MH	$0.00	$59.64	$0.00	$477.12
Signed and Sealed Drawings	1	L.S.	$6,500.00	$0.00	$0.00	$6,500.00
Electrical (See Detailed Breakdown)	1	L.S.	$28,025.96	$0.00	$0.00	$28,025.96
Temp Lighting	3	MO	$0.00	$0.00	$250.00	$750.00
Lightning Protection	1	L.S.	$3,000.00	$4,000.00	$0.00	$7,000.00
Subcontractor Mark-up	12%	L.S.	$0.00	$0.00	$0.00	$4,453.82
Direct Cost of Work						**$49,318.98**
G.C. Supervision	0	M.H.	$0.00	$71.73	$0.00	$0.00
Company Truck	0	M.H.	$0.00	$0.00	$9.38	$0.00
			$0.00	$0.00	$0.00	$0.00
			$0.00	$0.00	$0.00	$0.00
Liability Insurance	0.8113%	L.S.				$400.12
Sub Default Insurance	1.2%	L.S.				$591.83
Technology Services	0.2975%	L.S.				$146.72
Permitting	0.0%	L.S.				$0.00
G.C. Mark-up On Subcontractor	8%	L.S.				$3,945.52
G.C. Mark-up Self Performed	15%	L.S.				$0.00

Grand Total: **$54,403.18**

CHACE CONSTRUCTION SERVICES

Master Bid Summary Information

V-1023 - AS2 & 4 COOP Ramps

Transfer Level Canopy Lighting and Design

JOB BREAKDOWN:		
Labor Hours:		219.04
Non-Productive Labor Hours:		43.81
Average Hourly Rate:	$42.00	$42.00
Material Budgeted Dollars:		$8,150.67
Expenses:	0.00%	$0.00
Miscellaneous Materials:	0.00%	$0.00
Small Tools:	0.00%	$0.00
Gas Expense:	0.00%	$0.00
LABOR TOTALS:		
Labor Dollars:		$9,199.68
Non-Productive Labor Dollars:		$1,839.94
Labor Burden:	42.00%	$4,636.64
Labor Dollars Total:		$15,676.25
MATERIAL TOTALS:		
Material Dollars:		$8,150.67
Miscellaneous Dollars:		$0.00
Sales Tax:	6.00%	$489.04
Sur-tax*:	0.50%	$25.00
Material Dollars Total:		$8,639.71
EQUIPMENT TOTALS:		
Company Owned Equipment:	$2,500.00	$2,650.00
Outside Equipment Rental:	$1,000.00	$1,060.00
QUOTABLE TOTALS:		
Electrical Engineering	$0.00	$0.00
Mechanical Engineering	$0.00	$0.00
Temporary Measures	$0.00	$0.00
Painting Conduits	$0.00	$0.00
General Requirements	$0.00	$0.00
UON Research	$0.00	$0.00
Gear:	$0.00	$0.00
SUB-TOTAL:		$28,025.96
TOTAL JOB MARK-UPS:		
Job Overhead:	0%	$0.00
Job Profit:	0%	$0.00
TOTAL COST:		$28,025.96
PERMIT COST:	0.00%	$0.00
BONDING EXPENSE:	0.00%	$0.00
GRAND TOTAL:		**$28,025.96**

*Sur-tax applies to only the first: $5,000.00

SHACE CONSTRUCTION SERVICES

GOAA
EXTENSION BY SECTION

Item #	Description	Qty	Price U	Ext Price	Labor U	Ext Labor
	--- V-1023 - Add Canopy Lighting ---					
1063	3/4" GRC (Difficult)	180.00	363.65 C	654.57	15.53 C	27.95
1143	1/2" Liquidtight (metallic)	200.00	166.80 C	333.60	6.90 C	13.80
1201	1" PVC (Difficult)	120.00	101.14 C	121.37	8.63 C	10.36
1623	3/4" LB Condulet w/Cover & Gasket	5.00	14.26 E	71.30	0.75 E	3.75
1941	1/2" LT Flex Conn w/Ins Throat	48.00	425.69 C	204.33	0.14 E	6.72
1961	1/2" 90D LT Flex Conn w/Ins Throat	46.00	714.56 C	328.70	0.35 E	16.10
2333	3/8" Beam Clamp	60.00	672.43 C	403.46	0.10 E	6.00
2346	3/4" Unistrut Strap-Rigid	70.00	122.28 C	85.60	3.45 C	2.42
2355	1/2" Conduit Hanger w/Bolt	80.00	38.27 C	30.62	28.75 C	23.00
2571	4" Square Box (1/2 & 3/4 KO's)	2.00	395.76 C	7.92	0.35 E	0.70
2625	2G FDC Box-3/4" Hubs	24.00	35.41 E	849.84	0.80 E	19.20
2790	#12 THHN CU Stranded Wire	1,500.00	206.78 M	310.17	6.90 M	10.35
4464	20A SP Locking Switch	2.00	2,532.72 C	50.65	0.29 E	0.58
4716	4" Square 1G Ind Switch Cover	2.00	378.89 C	7.58	0.17 E	0.34
4735	2G Cast Blank Cover	20.00	15.35 E	307.00	0.32 E	6.40
6644	Unistrut (Deep)	70.00	810.26 C	567.18	23.00 C	16.10
6656	3/8x2-1/4" Bolt (Hex Head Cap Screw)	80.00	107.32 C	85.86	25.30 C	20.24
6662	3/8" Nut	30.00	26.28 C	7.88	0.07 E	2.10
6838	Yellow Wirenuts	90.00	10.49 C	9.44	4.03 C	3.63
6882	8" Ty Rap	25.00	16.68 C	4.17	6.33 C	1.58
6886	Tape (3M 88 Super)	3.00	4.75 E	14.25	0.00 E	0.00
8068	10x1" TEK Screw	150.00	9.92 C	14.88	0.01 E	1.50
8261	Grndscr&Bare Pigtail	25.00	48.54 C	12.14	2.30 C	0.57
8459	LED Wall Pack - 30W	4.00	396.00 E	1,584.00	1.15 E	4.60
8617	4000K 40W 4' Strip Light	11.00	162.00 E	1,782.00	1.15 E	12.65
8687	Conduit Support Plate	24.00	12.59 E	302.16	0.35 E	8.40
	--- V-1023 - Add Canopy Lighting ---			8,150.67		219.04
	Job Total			8,150.67		219.04

CHACE CONSTRUCTION SERVICES

Item 2

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, FL 34787

T. 407.578.1449
www.clancytheys.com

Date:

PCO# - 16 - APM Platform Drainage
7297- V-1023 AS2 and AS4 COOP Ramps

To: Greater Orlando Aviation Auth
5850 Cargo Road
Orlando, FL 32827

From: Clancy & Theys Construction Company
1401 Beulah Road, Suite 124
Winter Garden, FL 34787

PCO# - 16 - APM Platform Drainage

Description: This proposal is to add drainage using 2-4" hubless cast iron drainage pipe from (4) wet columns at each airside APM platform canopy. Each set column will drain into a 2" line and feed into a 4" branch line, which will lead to a downspout.

This drainage was added as a result of requests at the RCO #15 Canopy TRT

Description		Scope of Work	Cost
General Carpentry - Rented Equipment		Scissor Lift	489.90
Plumbing (Mechanical) - Other		Specialty Plumbing $9,764.85 @ Each Airside	19,529.70
Cost of Work Subtotal			**$20,019.60**
Markup			
Liability Insurance	0.8113%		162.42
Sub Default Insurance	1.2%		240.24
Technology Services	0.2975%		59.56
Fee	10%		2,001.96
Markup Subtotals			**$2,464.18**
PCO Total:			**$22,483.78**

Greater Orlando Aviation Auth

By: _____

Print: _____

Date: _____

Clancy & Theys Construction Company

By: _____

Print: _____

Date: _____

INVOICE

SUNBELT® RENTALS

SEND ALL PAYMENTS TO:

SUNBELT RENTALS, INC.
PO BOX 409211
ATLANTA, GA 30384-9211

INVOICE NO.	178607024-0005
ACCOUNT NO.	3576
INVOICE DATE	3/12/26
PAGE	1 of 1

INVOICE TO

1oz - 149 - 149
CLANCY & THEYS CONSTRUCTION CO
1401 BEULAH ROAD
SUITE 124
WINTER GARDEN, FL 34787

JOB ADDRESS

TERMINAL C UNIVERSAL STORE
10200 JEFF FUQUA BLVD S
ORLANDO, FL 32827

407-676-2529

RECEIVED BY	CONTRACT NO.
HARVEY, KEVIN	178607024

PURCHASE ORDER NO.: UNIVERSAL

JOB NO.: TERMINAL C UNIVERSAL

BRANCH

ORLANDO PC012
1272 JETPORT DR
ORLANDO, FL 32809 7826
407-855-0050

QTY	EQUIPMENT #	Min	Day	Week	4 Week	Amount
1.00	MICRO 19' ELECT SCISSORLIFT LCS	150.00	150.00	270.00	460.00	460.00
	10405690 Make: MEC Model: MICRO 19 XD LCS Ser #: 16101086					
	HR OUT: 248.018 HR IN: 253.720 TOTAL: 5.702					
				Rental Sub-total:		460.00

BILLED FOR FOUR WEEKS 3/03/26 THRU 3/30/26.

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.
PO BOX 409211
ATLANTA, GA 30384-9211

NET 30
Invoices not paid within 30 days may be subject to a 1-½% per month charge.

TERRY JOHNSON terry.johnson@sunbeltrentals.com

SUBTOTAL	460.00
SALES TAX	29.90
INVOICE TOTAL	489.90

4 WEEK BILL

Clancy & Theys
GOAA AS2 Canopy Drains
03/03/2026

This quotation is based off a total of (4) column downspout drain line installed using cast iron pipe and fitting with heavy duty no hub bands.

Labor

Plumbers: 40 hours @ $40/hour = $1600.00
Foreman: 20 hours @ $44/hour = $880.00
Project Manager: 5 hours @ 54.00 = $270.00
Subtotal = $2750.00
42% Burden=$1150.00
Total Labor Cost = $3900.00

Equipment

Service Trucks: 40 hours @ $14/hour = $560.00
Total Equipment: $560.00

Material

Pipe and Fittings= $3,732.68
Misc Hardware = $298.50
Material Cost= $4031.18

Cost of Work = $8491.18
15% mark-up for OH&P = $1273.67
Total Change Order = $9764.85

Clancy & Theys
GOAA AS4 Canopy Drains
03/03/2026

This quotation is based off a total of (4) column downspout drain line installed using cast iron pipe and fitting with heavy duty no hub bands.

Labor

Plumbers: 40 hours @ $40/hour = $1600.00
Foreman: 20 hours @ $44/hour = $880.00
Project Manager: 5 hours @ 54.00 = $270.00
Subtotal = $2750.00
42% Burden=$1150.00
Total Labor Cost = $3900.00

Equipment

Service Trucks: 40 hours @ $14/hour = $560.00
Total Equipment: $560.00

Material

Pipe and Fittings= $3,732.68
Misc Hardware = $298.50
Material Cost= $4031.18

Cost of Work = $8491.18
15% mark-up for OH&P = $1273.67
Total Change Order = $9764.85

Gmail

Kevin McIntee <kevin@specplumbing.com>

Email Bid# B964754

Materials @ Each Airside

1 message

Reshaduz Zaman - 52 SOUTHEAST <reshaud.zaman@ferguson.com> Mon, Mar 2, 2026 at 11:22 AM
Reply-To: reshaud.zaman@ferguson.com
To: kevin@specplumbing.com

Price Quotation # B964754

FERGUSON ENTERPRISES LLC #52
10355 SOUTH ORANGE AVENUE
SUITE - B
ORLANDO, FL 32824-7717
Phone : 407-856-5161
Fax : 407-856-5380

Bid No.....: B964754
Bid Date...: 03/02/26
Quoted By: RSZ
Customer.: SPECIALTY PLUMBING LLC
PO BOX 4937
HAINES CITY, FL 33845

Cust Phone: 863-412-2324
Terms.....: NET 10TH PROX
Ship To.....: SPECIALTY PLUMBING LLC
PO BOX 4937
HAINES CITY, FL 33845

Cust PO#..: AS4

Job Name.:

Item	Description	Quantity	Net Price	UM	Total
NHPK10	2X10 NH CI SOIL PIPE	20	1040.008	C	208.00
NHPP10	4X10 NH CI SOIL PIPE	80	1866.448	C	1493.16
NHCOMBPPK	4X4X2 NH CI COMB LONG TY	3	36.409	EA	109.23
NH9P	4 NH CI 1/4 BEND	3	31.694	EA	95.08
NHSRPK	4X2 NH CI SHRT RED	1	16.699	EA	16.70
NH4P	4 NH CI 1/8 BEND	6	23.231	EA	139.39
FNW7873S40400	4 DOM IPS 304 SS RIGID STRUT CLMP	10	17.147	EA	171.47
FNW7873S40400	4 DOM IPS 304 SS RIGID STRUT CLMP	20	17.147	EA	342.94
FNW7873S40200	2 DOM IPS 304 SS RIGID STRUT CLMP	5	12.568	EA	62.84
PFNHHMDCP	4 PROFLO HD NH COUP DOMESTIC	25	13.300	EA	332.50
PFNHHMDCK	2 PROFLO HD NH COUP DOMESTIC	15	9.905	EA	148.58
NH9K	2 NH CI 1/4 BEND	5	15.393	EA	76.97
FNWST7882S1242S1	1-5/8X1-5/8X10 12 SS 304 H/SL STRUT	30	1026.668	C	308.00

Subtotal:	$3504.86
Inbound Freight:	$0.00
Tax:	$227.82
Order Total:	$3732.68

REQUEST FOR INFORMATION (RFI)

To: GREATER ORLANDO AVIATION AUTHORITY
Senior Project Manager

RFI No.: 16
Date: 3/30/2026
Sheet: 1 of 1

Project No. / Name: V-01023 Airsides 2 & 4 COOP Ramps

Date Information Required: ASAP

Reference: Contract Drawing: _____ Specification: _____
Shop Drawings: _____ Other: _____

Subject: Drainage at APM Platform Canopies
Description: Based on discussions at TRT for the APM platform canopies, we understand the owner would like to add piping connected to columns to allow rainwater to be routed to downspouts, rather than draining directly from columns. Please confirm that this change is to be incorporated.
Pending reply, proceeding as follows:

Contractor Signature: *Barry Buckman*

Response:
Confirmed, it is requested that the contractor provide pricing for the Airside 2 and 4 APM Platform drainage.

A/E Signature: _____

GOAA (or OAR) Signature: *Nils Johnson* bexSIGN 4ZLW7564-4YKRZLY3

cc: A/E, OAR, GOAA

WORK SHEET - PRICING CONFIRMATION

Change Order No.15
Item No.2

Pricing Summary
V-01023 Airsides 2 and 4 COOP Ramps (D/B)
AS 2 & 4 Canopy Drainage

3/24/2026

Description	Unit	Contractors Base Bid Pricing Add Qty	Deduct Qty	Unit Price	Amount	Unit	OAR Estimate Add Qty	Deduct Qty	Unit Price	Amount	Unit	Final Change Order Cost Add Qty	Deduct Qty	Unit Price	Amount
Clancy & Theys Construction Company															
Materials	Lpsm		-	-	$ -	Lpsm	0.00			$ -	Lpsm		-	-	$ -
PM Labor	M.H		-	-	$ -	Lpsm	0.00		-	$ -	Lpsm		-	-	$ -
Supervision Labor	M.H		-	-	$ -								-	-	$ -
Supervision Labor	M.H		-	-	$ -								-	-	$ -
Foreman	M.H		-	-	$ -								-	-	$ -
Equipment	M.H		-	-	$ -	Lpsm	0.00			$ -	Lpsm		-	-	$ -
Portable Toilet	Lpsm		-	-	$ -	Lpsm	0.00		-	$ -	Lpsm		-	-	$ -
Insurance	Lpsm		-	-	$ -		0.00				Lpsm		-	-	$ -
Permit	Lpsm		-			Lpsm	0.00				Lpsm		-		
OAR Estimate						Lpsm	0.00	-		$ -					
Total:					$ -					$ -					$ -
G.C. Subtotal					$ -					$ -					$ -
Subcontractors															
Specialty Plumbing	Lpsm	1.0		19,529.70	$ 19,529.70	Lpsm	0.00			$ -	Lpsm	1.0		19,529.70	$ 19,529.70
AC Signs	Lpsm	-			$ -	Lpsm	0.00				Lpsm	-			$ -
Sunbelt	Lpsm	1.0		489.90	$ 489.90	Lpsm	0.00				Lpsm	1.0		489.90	$ 489.90
Rexel	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Towers	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Titan	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Towers	Lpsm	-			$ -		0.00				Lpsm	-			$ -
OAR Estimate	Lpsm	-		-	$ -	Lpsm	1.0		22,823.30	$ 22,823.30	Lpsm	-		-	$ -
Subcontractor Mark-up		0.00%			$ -		0.00%			$ -		0.00%			$ -
Total:					$ 20,019.60					$ 22,823.30					$ 20,019.60
Sub Contractor Subtotal					$ 20,019.60					$ 22,823.30					$ 20,019.60
Liability Insurance		0.8113%			$ 162.42		0.8113%			$ 185.17		0.8113%			$ 162.42
Sub Default Insurance		1.2000%			$ 240.24		1.2000%			$ 273.88		1.2000%			$ 240.24
Technology Services		0.2975%			$ 59.56		0.2975%			$ 67.90		0.2975%			$ 59.56
Tax		6.5000%										6.5000%			
Subtotal					$ 20,481.82					$ 23,350.24					$ 20,481.82
G.C. Mark up on Sub Contrctor work		10.00%			$ 2,001.96		10.00%			$ 2,282.33		10.00%			$ 2,001.96
G.C. Mark up on self performed work		0.00%			$ -		0.00%					0.00%			$ -
Permit															
Grand Total					$ 22,483.78					$ 25,632.58					$ 22,483.78

OAR Estimate Summary
V-01023
Platform Canopy Drainage

Description	Quantity	Unit	Material	Labor	Equipment	Cost
Company Truck	80	M.H.	$0.00	$0.00	$14.00	$1,120.00
Scissor Lift Rental	1	EA	$0.00	$0.00	$489.90	$489.90
Lead Foreman	10	M.H.	$0.00	$54.00	$0.00	$540.00
Plumber	80	M.H.	$0.00	$40.00	$0.00	$3,200.00
Foreman	20	M.H.	$0.00	$40.00	$0.00	$800.00
2" x 10' NH Cast Iron Soil Pipe	20	C	$157.83	$0.00	$0.00	$3,156.60
4" x 10' NH Cast Iron Soil Pipe	1	C	$1,188.03	$0.00	$0.00	$1,188.03
4"x4"x2" NH CI Combo Wye (Long Turn)	3	EA	$51.22	$0.00	$0.00	$153.66
4" NH CI 1/4 Bend	3	EA	$44.58	$0.00	$0.00	$133.74
4"x2" NH CI Short Reducer	1	EA	$23.49	$0.00	$0.00	$23.49
4" NH CI 1/8 Bend	6	EA	$32.68	$0.00	$0.00	$196.08
4" 304 SS Rigid Strut Clamp	30	EA	$23.49	$0.00	$0.00	$704.70
2" 304 SS Rigid Strut Clamp	5	EA	$24.43	$0.00	$0.00	$122.15
4" ProFlex Heavy Duty Coupling	25	EA	$19.72	$0.00	$0.00	$493.00
2" ProFlex Heavy Duty Coupling	15	EA	$14.69	$0.00	$0.00	$220.35
2" NH CI 1/4 Bend	5	EA	$21.65	$0.00	$0.00	$108.25
1-5/8" x 1-5/8" x 10' SS 304 Strut	30	C	$239.88	$0.00	$0.00	$7,196.40
Subcontractor Markup	15%	.L.S.	$0.00	$0.00	$0.00	$2,976.95
Direct Cost of Work						**$22,823.30**
Superintendent		M.H.	$0.00	$0.00	$0.00	$0.00
Support Labor		M.H.	$0.00	$0.00	$0.00	$0.00
Prime Vehicle (015433.40.7200)		HR	$0.00	$0.00	$9.38	$0.00
Liability Insurance	0.8113%	L.S.	$162.42	$0.00	$0.00	$185.17
Sub Default	1.2000%	L.S.	$240.24	$0.00	$0.00	$273.88
Technology Services	0.2975%	L.S.	$59.56	$0.00	$0.00	$67.90
Prime Mark-up on Self-Performed Work	8%	L.S.	$1,825.86	$0.00	$0.00	$0.00
Prime Mark-up on Sub-Contractor	10%	L.S.	$2,282.33	$0.00	$0.00	$2,282.33

Total: **$25,632.58**

CHACE CONSTRUCTION SERVICES

Item 3

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, FL 34787

T. 407.578.1449
www.clancytheys.com

Date:

PCO# - 18 - Curbing at AS2 Passenger Loading Area
7297- V-1023 AS2 and AS4 COOP Ramps

To: Greater Orlando Aviation Auth
5850 Cargo Road
Orlando, FL 32827

From: Clancy & Theys Construction Company
1401 Beulah Road, Suite 124
Winter Garden, FL 34787

PCO# - 18 - Curbing at AS2 Passenger Loading Area

Description: This proposal is to furnish labor and materials to install approximately 175 LF of 6" curb at the airside 2 passenger loading area. Curb to be painted safety yellow.

A pallet of sand bags is included for tempoary water control until the curbing can be installed.

Description		Scope of Work	Cost
General Carpentry - Labor		56 hours foreman @ $2,714.32	2,714.32
General Carpentry - Owned Equipment		56 hours truck use @ $9.80	548.80
General Carpentry - Other		Pallet of Sand Bags (2)	862.40 ~~431.20~~
Cost of Work Subtotal			4,125.52 ~~$3,694.32~~
Markup			
Liability Insurance	0.8113%		33.47 ~~29.97~~
Technology Services	0.2975%		12.27 ~~10.99~~
Fee	15%		618.83 ~~554.15~~
Markup Subtotals			~~$595.11~~
Misc Concrete - Subcontract			14,680.00
Painting - Subcontract			1,058.88
Cost of Work Subtotal			**$15,738.88**
Markup			
Liability Insurance	0.8113%		127.69
Sub Default Insurance	1.2%		188.87
Technology Services	0.2975%		46.82
Fee	10%		1,573.89
Markup Subtotals			**$1,937.27**
PCO Total:			~~$21,965.58~~ $22,466.24

Greater Orlando Aviation Auth

By: _____

Print: _____

Date: _____

Clancy & Theys Construction Company

By: _____

Print: _____

Date: _____

OLP Construction Inc

Directives/Change Orders

Submitted To: Kevin Harvey
Clancy & Theys

Project Name: OIA Premier Parking Recon.
Project Number: 25008
Contract No:

Change Order 03
Date: 3/24/2026
Directive/Pending Item:

Description of the cost below:

The cost estimate below provides for constructing additional 175 LF of 6" curb with (2) #4 horizontal bars and hook dowels every 18".

Assumption:

Labor Classification	Total Hours		Hourly Rate		Total
Detailing - BIM	-	@	119.46	/hr.	$ 0.00
Carpenters	160.00	@	50.97	/hr.	$ 8,155.20
Rodbusters	-	@	50.97	/hr.	$ 0.00
Finishers	-	@	63.71	/hr.	$ 0.00
Foreman	40.00	@	59.73	/hr.	$ 2,389.20
Project Engineering (survey/layout)	-	@	59.73	/hr.	$ 0.00
			Sub-Total Direct Labor:		$ 10,544.40
			Burden		$ included
			Fees (15% OH)		$ 1,581.66
				Total Labor:	$ 12,126.06

Materials (itemize)	Quantities		Units/Rates		
Concrete	80.00	@	8.77	/Bag	$ 701.60
Reinforcement bars	25.00	@	9.03	/EA	$ 225.75
Formwork lumber	30.00	@	12.62	/EA	$ 378.60
Hilti Epoxy	6.00	@	36.27	/Tube	$ 217.62
Wunderfixx	1.00	@	42.14	/Bag	$ 42.14
Miscellaneous (nails, wire, etc.)	1.00	@	50.00	/EA	$ 50.00
		@		/Bag	$ 0.00
			Sub-Total Material:		$ 1,615.71
			Sales Tax on Material		$ 113.10
			Transportation:		$ 0.00
			Sub-Total Materials:		$ 1,728.81
			Fees (OH & P)		$ 259.32
				Total Materials:	$ 1,988.13

Equipment Rental (itemize)	Quantities		Units/Rates		
		@		/Month	$ 0.00
		@		/Pour	$ 0.00
		@		/EA	$ 0.00
		@		/Month	$ 0.00
			Sub-Total Equipment:		$ 0.00
			Fees (15% OH)		$ 0.00
				Total Equip. Rental:	$ 0.00

Subcontractors (itemize)					
		@		/hrs	$ 0.00
		@		/unit	$ 0.00
		@		/unit	$ 0.00
			Sub-Total Subcontractors:		$ 0.00
			Fees (OH & P)		$ 0.00
				Total Subs:	$ 0.00

Directive/Change Order Sub-Total:	$ 14,115.00
General Conditions 4%:	$ 564.60
Bonds (if applicable):	$ 0.00
Total Cost of this Directive/Change Order Request:	**$ 14,680.00**

PCC Itemized Cost Breakdown
***for* Directives/Change Orders**
(Contractors, Subcontractors & Sub-subcontractors)

Submitted By: **PCC/Percopo Coatings Company**

Project Name: **GOAA Painting of Airfield Curb** Date: **3/24/2026**
Description Directive/Pending Item:

Labor Classification	Total Hours		Base (unburdened) Hourly Rate		Total
Foreman	-	@	42.50	/hr	-
Painter	16.00	@	32.50	/hr	520.00
	-	@	-	/hr	-
	-	@	-	/hr	-
	-	@	-	/hr	-
	-	@	-	/hr	-

Sub-Total Direct Labor:	$	520.00
15% Mark-Up (OH&P): (on base labor only)	$	78.00
Direct Labor Burden: (taxes/insurance/Work Comp.)	$	182.00
Union Benefits (if applicable)	$	
Total Labor:		**$ 780.00**

Materials (itemize)	Units	Unit Cost	Total
Pro Industrial Epoxy	0	$ -	$ -
H&C Colortop	5	$ 39.54	$ 197.70
	0	$ -	$ -
Sundries / Misc.	1	$ 30.00	$ 30.00
	0	$ -	$ -
	0	$ -	$ -
	0	$ -	$ -
	0	$ -	$ -

Sub-Total Material:	$	227.70
Transportation:	$	-
Sales Tax on Material	$	14.80
15% Mark-Up (OH&P)	$	36.38
Total Materials:		**$ 278.88**

Equipment Rental **(itemize and /or attach invoices)**
Floor Grinder **0**

Sub-Total Equipment:	$	-
15% Mark-Up on Equip:	$	-
Total Equip. Rental:		**$ -**

Subcontractors **(attach Itemized Cost Breakdown and signed proposals)**

Sub-Total Subcontractors:	$	
6% Mark-Up on Subs:	$	-
Total Subs:		**$ -**

Directive/Change Order Sub-Total:	$	1,058.88
Permits (if applicable):	$	-
Bonds (if applicable):	$	-
Total Cost of this Directive/Change Order Request:		**$ 1,058.88**

REQUEST FOR INFORMATION (RFI)

To: GREATER ORLANDO AVIATION AUTHORITY
Senior Project Manager

RFI No.: ~~16~~ 17
Date: 3/30/2026
Sheet: 1 of 1

Project No. / Name: V-01023 Airsides 2 & 4 COOP Ramps

Date Information Required: ASAP

Reference: Contract Drawing: _____ Specification: _____
Shop Drawings: _____ Other: _____

Subject: Curbing at AS2 Passenger Loading Area
Description: Due to flooding of the passenger loading area from APM operations, we understand that the owner requests to add approx. 175' of curbing to the AS2 passenger loading area. Please confirm.
Pending reply, proceeding as follows:

Contractor Signature: *Barry Buckman*

Response:

Confirmed, please provide pricing for adding curbing to the AS2 passenger loading area.

A/E Signature: _____

GOAA (or OAR) Signature: Nils Johnson
box SIGN 4ZLW7564-4QL85Q3V

cc: A/E, OAR, GOAA

WORK SHEET - PRICING CONFIRMATION

Change Order No.15
Item No.3

Pricing Summary
V-01023 Airsides 2 and 4 COOP Ramps (D/B)
AS 2 Curbs

4/6/2026

Description	Unit	Contractors Base Bid Pricing Add Qty	Deduct Qty	Unit Price	Amount	Unit	OAR Estimate Add Qty	Deduct Qty	Unit Price	Amount	Unit	Final Change Order Cost Add Qty	Deduct Qty	Unit Price	Amount
Clancy & Theys Construction Company															
Materials	Lpsm	1.00	-	431.20	$ 431.20	Lpsm	0.00			$ -	Lpsm	2.00	-	431.20	$ 862.40
General Carpentry Labor	M.H	56.00	-	48.47	$ 2,714.32	Lpsm	0.00		-	$ -	Lpsm	56.00	-	48.47	$ 2,714.32
Supervision Labor	M.H		-	-	$ -	Lpsm							-	-	$ -
Supervision Labor	M.H		-	-	$ -	Lpsm							-	-	$ -
Foreman	M.H		-	-	$ -	Lpsm							-	-	$ -
Equipment	M.H	56.00	-	9.80	$ 548.80	Lpsm	0.00			$ -	Lpsm	56.00	-	9.80	$ 548.80
Portable Toilet	Lpsm		-	-	$ -	Lpsm	0.00		-	$ -	Lpsm		-	-	$ -
Insurance	Lpsm		-	-	$ -	Lpsm	0.00				Lpsm		-	-	$ -
Permit	Lpsm		-			Lpsm	0.00				Lpsm		-		
OAR Estimate						Lpsm	1.00	-	4,565.68	$ 4,565.68					
Total:					$ 3,694.32					$ 4,565.68					$ 4,125.52
G.C. Subtotal					**$ 3,694.32**					**$ 4,565.68**					**$ 4,125.52**
Subcontractors															
OLP	Lpsm	1.0		14,680.00	$ 14,680.00	Lpsm	0.00			$ -	Lpsm	1.0		14,680.00	$ 14,680.00
Percopo Coatings Company	Lpsm	1.0		1,058.88	$ 1,058.88	Lpsm	0.00				Lpsm	1.0		1,058.88	$ 1,058.88
Sunbelt	Lpsm	-			$ -	Lpsm	0.00				Lpsm	-			$ -
Rexel	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Towers	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Titan	Lpsm	-			$ -		0.00				Lpsm	-			$ -
Towers	Lpsm	-			$ -		0.00				Lpsm	-			$ -
OAR Estimate	Lpsm	-		-	$ -	Lpsm	1.0		13,140.65	$ 13,140.65	Lpsm	-		-	$ -
Subcontractor Mark-up		0.00%			$ -		0.00%			$ -		0.00%			$ -
Total:					$ 15,738.88					$ 13,140.65					$ 15,738.88
Sub Contractor Subtotal					**$ 15,738.88**					**$ 13,140.65**					**$ 15,738.88**
Liability Insurance		0.8113%			**$ 157.66**		0.8113%			**$ 106.61**		0.8113%			**$ 161.16**
Sub Default Insurance		1.2000%			**$ 188.87**		1.2000%			**$ 157.69**		1.2000%			**$ 188.87**
Technology Services		0.2975%			**$ 57.81**		0.2975%			**$ 39.09**		0.2975%			**$ 59.09**
Tax		6.5000%										6.5000%			
Subtotal					**$ 19,837.54**					**$ 17,706.33**					**$ 20,273.52**
G.C. Mark up on Sub Contrctor work		10.00%			**$ 1,573.89**		10.00%			**$ 1,314.07**		10.00%			**$ 1,573.89**
G.C. Mark up on self performed work		15.00%			**$ 554.15**		15.00%			**$ 684.85**		15.00%			**$ 618.83**
Permit															
Grand Total					**$ 21,965.58**					**$ 20,008.64**					**$ 22,466.24**

C.Hernandez

OAR Estimate Summary

V-01023

Airside 2 Passenger Loading Area Curbs

Description	Quantity	Unit	Material	Labor	Equipment	Cost
Carpenter	160	M.H.	$0.00	$50.97	$0.00	$8,155.20
Foreman	40	M.H.	$0.00	$59.73	$0.00	$2,389.20
Painter	16	M.H.	$0.00	$32.50	$0.00	$520.00
Concrete	80	BAG	$11.28	$0.00	$0.00	$902.40
Reinforcement Bars	9	EA	$18.00	$0.00	$0.00	$162.00
Formwork Lumber	30	EA	$12.00	$0.00	$0.00	$360.00
Hilti Epoxy	6	TUBE	$45.00	$0.00	$0.00	$270.00
Wunderfixx	1	BAG	$51.90	$0.00	$0.00	$51.90
H&C Colortop	5	GAL	$65.99	$0.00	$0.00	$329.95
Direct Cost of Work						**$13,140.65**
Support Labor	56	M.H.	$0.00	$71.73	$0.00	$4,016.88
Prime Vehicle (015433.40.7200)	56	HR	$0.00	$0.00	$9.80	$548.80
Liability Insurance	0.8113%	L.S.	$157.66	$0.00	$0.00	$157.66
Sub Default	1.2000%	L.S.	$188.87	$0.00	$0.00	$188.87
Technology Services	0.2975%	L.S.	$57.81	$0.00	$0.00	$57.81
Prime Mark-up on Self-Performed Work	15%	L.S.	$1,971.10	$0.00	$0.00	$684.85
Prime Mark-up on Sub-Contractor	10%	L.S.	$1,314.07	$0.00	$0.00	$1,314.07

Total: **$20,109.59**

C. Hernandez

OAR Estimate

Building Supplies / Concrete, Cement & Masonry / Concrete, Cement & Stucco Mixes

1k+ bought last week

QUIKRETE ProFinish 80 -lb Crack resistant Concrete mix

Item #234137 | Model #100668

Shop QUIKRETE Shop the Collection

★★★★☆ 4.4 213

$11.28

Pickup Shipping Fast Delivery

OAR Estimate

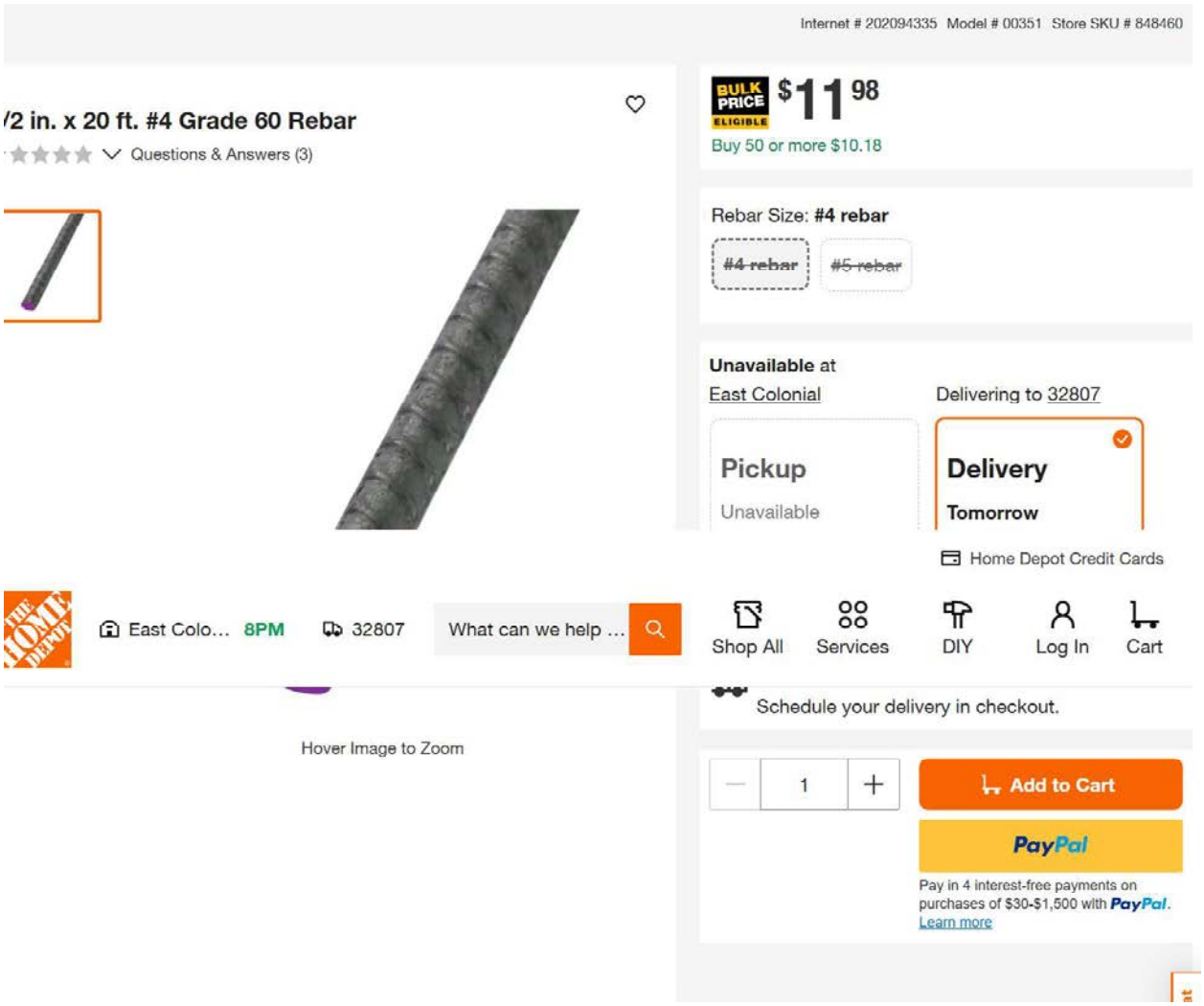
H&C COLORTOP Water-Based Solid Color Concrete Stain

★★★★☆
15 Reviews | Write a Review

H&C® COLORTOP™ Water-Based Solid Color Concrete Stain is a water-based stain that provides a long-lasting, durable and decorative finish to interior or exterior concrete, masonry, or asphalt surfaces. *H&C COLORTOP Water-Based Solid Color Concrete Stain is formerly known as H&C® Concrete Stain Solid Color Water-Based.

Color	Options	Price
Stain Name or Number: Enter SW color name or number	Container Size: 1 Gallon	Save 10% Every Day with PaintPerks®
Add a Color	Sheen: Low Luster	List Price: $65.99
	Base: White Tint Base	Register or sign in to confirm pricing & availability and checkout.
	Your options may be adjusted based on color selection	Sales Number: 6507-11450

OAR Estimate



Mfr: CTS Cement

Rapid Set Wunderfixx Per 50 Pound Bag

(0) | Item #: RSWUFIXX.50B*NA | Mfr. Part #: - | Q&A (0)

$51.90

TDS Tech Data Sheet SDS Safety Data

In Stock | Available: 11 | Case Qua

Location	Avai

Hi, let us know if you have any questions.

FIELD CHANGE ORDER REQUEST

FIELD CHANGE ORDER NO.:	02	**REQUEST DATE:**	04/06/26
PROJECT NO. & DESCRIPTION:	V-01023 Airsides 2 and 4 COOP Ramps		
CONTRACTOR:	Clancy & Theys Construction Company	**A/E:**	N/A
PM/OAR:	Nils Johnson	**PHONE:**	407-484-6661

THIS DOCUMENT WHEN BEARING THE SIGNATURE OF APPROVAL OF THE OWNER AUTHORIZES THE CONTRACTOR TO PROCEED IMMEDIATELY WITH THE UNDERMENTIONED CHANGES TO THE CONTRACT.

THE CONTRACTOR IS REQUESTED TO REVIEW THE DESCRIPTION OF CHANGE AND METHOD INTENDED TO ADJUST THE CONTRACT AMOUNT/TIME AND SIGN IN THE BOX MARKED CONTRACTOR'S ACCEPTANCE. UPON SIGNATURE, PLEASE RETURN TO OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY.

DESCRIPTION OF CHANGE:

Provide all labor, materials, and equipment to install 175 LF of 6-inch curb at the Airside 2 passenger loading area. Curb to be painted safety yellow. Sandbags are included for temporary water control until curbing can be installed.

TOTAL COST: **$22,466.24**	**CHANGE TO CONTRACT TIME (DAYS):** **0**

EVALUATION OF CHANGE IN CONTRACT AMOUNT AND TIME:

IT IS AGREED THAT THE VALUE OF THE FIELD CHANGE ORDER SHALL BE DETERMINED BY ONE OR MORE OF THE FOLLOWING METHODS:

- ☐ BY ESTIMATE AND ACCEPTANCE OF A LUMP SUM QUOTATION
- ☒ BY ESTIMATE AND ACCEPTANCE OF A NOT-TO-EXCEED QUOTATION
- ☐ BY UNIT PRICES SET OUT IN THE CONTRACT OR SUBSEQUENTLY AGREED UPON
- ☐ BY FORCE ACCOUNT USING ABOVE RATES FOR LABOR, MATERIALS, EQUIPMENT

REFERENCE BULLETIN(S): N/A

CONTRACTOR'S ACCEPTANCE:

SIGNATURE & DATE: _____ 4/6/26

PRINTED NAME: Kevin Harvey

INITIAL FUNDING CONFIRMATION:

FUNDS ARE AVAILABLE WITHIN THE PROJECT TO COVER THIS COST: INITIALS: LB DATE: Apr 7, 2026

APPROVAL TO PROCEED:

Scott Shedek

SIGNATURE & DATE: box SIGN 19RL7LV4-4QLY8Z59 Apr 7, 2026

GOAA CONSTRUCTION COMMITTEE CHAIR

ELIGIBILITY: Johanna Arriaga box SIGN 1893R7QK-4QLY8Z59 Apr 8, 2026 **CFOC REQUIRED:** No

INTERNAL FUNDING REVIEW:

Melvin Martinez

SIGNATURE & DATE: box SIGN 4PJYLWYK-4QLY8Z59 Apr 14, 2026

GOAA FINANCE

FIELD CHANGE ORDER JUSTIFICATION

FIELD CHANGE ORDER NO.: 02

PROJECT NO. & DESCRIPTION: V-01023 Airsides 2 and 4 COOP Ramps

SPECIFIC REASON FOR FIELD CHANGE ORDER / URGENCY JUSTIFICATION:

During heavy rainfalls the Airside 2 canopy bus loading zone becomes flooded with water. It was requested by Customer Experience to provide a solution to the flooding issue. A safety curb is being installed to redirect rainwater from the bus loading zone.

CAUSE(S):

During periods of heavy rainfall, the Airside 2 canopy bus loading zone experiences significant water accumulation and localized flooding. This condition creates potential safety hazards and operational challenges for the bus movement within the passenger loading zone.

IMPACTS OF CHANGE ORDER (COSTS/TIME):

It is anticipated that the overall cost for the work will be approximately $22,466.24.

RECORD OF NEGOTIATIONS / JUSTIFICATIONS FOR ABNORMAL COSTS:

Receipt and negotiations of a not-to-exceed proposal.

FUNDING SOURCE(S):

General Airport Revenue Bonds (GARBs)

ATTACHMENT(S):

Contractors PCO 18

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, FL 34787

T. 407.578.1449
www.clancytheys.com

Date:

PCO# - 18 - Curbing at AS2 Passenger Loading Area
7297- V-1023 AS2 and AS4 COOP Ramps

To: Greater Orlando Aviation Auth
5850 Cargo Road
Orlando, FL 32827

From: Clancy & Theys Construction Company
1401 Beulah Road, Suite 124
Winter Garden, FL 34787

PCO# - 18 - Curbing at AS2 Passenger Loading Area

Description: This proposal is to furnish labor and materials to install approximately 175 LF of 6" curb at the airside 2 passenger loading area. Curb to be painted safety yellow.

A pallet of sand bags is included for tempoary water control until the curbing can be installed.

Description		Scope of Work		Cost
General Carpentry - Labor		56 hours foreman @ $2,714.32		2,714.32
General Carpentry - Owned Equipment		56 hours truck use @ $9.80		548.80
General Carpentry - Other		Pallet of Sand Bags (2)	862.40	~~431.20~~
Cost of Work Subtotal			4,125.52	~~$3,694.32~~
Markup				
Liability Insurance	0.8113%		33.47	~~29.97~~
Technology Services	0.2975%		12.27	~~10.99~~
Fee	15%		618.83	~~554.15~~
Markup Subtotals				~~$595.11~~
Misc Concrete - Subcontract				14,680.00
Painting - Subcontract				1,058.88
Cost of Work Subtotal				**$15,738.88**
Markup				
Liability Insurance	0.8113%			127.69
Sub Default Insurance	1.2%			188.87
Technology Services	0.2975%			46.82
Fee	10%			1,573.89
Markup Subtotals				**$1,937.27**
PCO Total:				~~$21,965.58~~
				$22,466.24

Greater Orlando Aviation Auth

By: _____

Print: _____

Date: _____

Clancy & Theys Construction Company

By: _____

Print: _____

Date: _____

OLP Construction Inc

Directives/Change Orders

Submitted To: Kevin Harvey
Clancy & Theys

Project Name: OIA Premier Parking Recon.
Project Number: 25008
Contract No:

Change Order 03
Date: 3/24/2026
Directive/Pending Item:

Description of the cost below:
The cost estimate below provides for constructing additional 175 LF of 6" curb with (2) #4 horizontal bars and hook dowels every 18".

Assumption:

Labor Classification	Total Hours		Hourly Rate		Total	
Detailing - BIM	-	@	119.46	/hr.	$ 0.00	
Carpenters	160.00	@	50.97	/hr.	$ 8,155.20	
Rodbusters	-	@	50.97	/hr.	$ 0.00	
Finishers	-	@	63.71	/hr.	$ 0.00	
Foreman	40.00	@	59.73	/hr.	$ 2,389.20	
Project Engineering (survey/layout)	-	@	59.73	/hr.	$ 0.00	
			Sub-Total Direct Labor:		$ 10,544.40	
			Burden		$ included	
			Fees (15% OH)		$ 1,581.66	
					Total Labor:	$ 12,126.06

Materials (itemize)	Quantities		Units/Rates			
Concrete	80.00	@	8.77	/Bag	$ 701.60	
Reinforcement bars	25.00	@	9.03	/EA	$ 225.75	
Formwork lumber	30.00	@	12.62	/EA	$ 378.60	
Hilti Epoxy	6.00	@	36.27	/Tube	$ 217.62	
Wunderfixx	1.00	@	42.14	/Bag	$ 42.14	
Miscellaneous (nails, wire, etc.)	1.00	@	50.00	/EA	$ 50.00	
		@		/Bag	$ 0.00	
			Sub-Total Material:		$ 1,615.71	
			Sales Tax on Material		$ 113.10	
			Transportation:		$ 0.00	
			Sub-Total Materials:		$ 1,728.81	
			Fees (OH & P)		$ 259.32	
					Total Materials:	$ 1,988.13

Equipment Rental (itemize)	Quantities		Units/Rates			
		@		/Month	$ 0.00	
		@		/Pour	$ 0.00	
		@		/EA	$ 0.00	
		@		/Month	$ 0.00	
			Sub-Total Equipment:		$ 0.00	
			Fees (15% OH)		$ 0.00	
					Total Equip. Rental:	$ 0.00

Subcontractors (itemize)						
		@		/hrs	$ 0.00	
		@		/unit	$ 0.00	
		@		/unit	$ 0.00	
			Sub-Total Subcontractors:		$ 0.00	
			Fees (OH & P)		$ 0.00	
					Total Subs:	$ 0.00

Directive/Change Order Sub-Total:	$ 14,115.00
General Conditions 4%:	$ 564.60
Bonds (if applicable):	$ 0.00
Total Cost of this Directive/Change Order Request:	**$ 14,680.00**

PCC Itemized Cost Breakdown
***for* Directives/Change Orders**
(Contractors, Subcontractors & Sub-subcontractors)

Submitted By: **PCC/Percopo Coatings Company**

Project Name: **GOAA Painting of Airfield Curb** Date: **3/24/2026**
Description Directive/Pending Item:

Labor Classification	Total Hours		Base (unburdened) Hourly Rate		Total
Foreman	-	@	42.50	/hr	-
Painter	16.00	@	32.50	/hr	520.00
	-	@	-	/hr	-
	-	@	-	/hr	-
	-	@	-	/hr	-
	-	@	-	/hr	-

Sub-Total Direct Labor:	$	520.00
15% Mark-Up (OH&P): (on base labor only)	$	78.00
Direct Labor Burden: (taxes/insurance/Work Comp.)	$	182.00
Union Benefits (if applicable)	$	
Total Labor:		**$ 780.00**

Materials (itemize)	Units	Unit Cost	Total
Pro Industrial Epoxy	0	$ -	$ -
H&C Colortop	5	$ 39.54	$ 197.70
	0	$ -	$ -
Sundries / Misc.	1	$ 30.00	$ 30.00
	0	$ -	$ -
	0	$ -	$ -
	0	$ -	$ -
	0	$ -	$ -

Sub-Total Material:	$	227.70
Transportation:	$	-
Sales Tax on Material	$	14.80
15% Mark-Up (OH&P)	$	36.38
Total Materials:		**$ 278.88**

Equipment Rental **(itemize and /or attach invoices)**
Floor Grinder **0**

Sub-Total Equipment:	$	-
15% Mark-Up on Equip:	$	-
Total Equip. Rental:		**$ -**

Subcontractors **(attach Itemized Cost Breakdown and signed proposals)**

Sub-Total Subcontractors:	$	
6% Mark-Up on Subs:	$	-
Total Subs:		**$ -**

Directive/Change Order Sub-Total:	$	1,058.88
Permits (if applicable):	$	-
Bonds (if applicable):	$	-
Total Cost of this Directive/Change Order Request:		**$ 1,058.88**

Vendor: Clancy & Theys Construction Company

Agreement: 202406-V1023 Project: V01023

Addendum: 000 CCM Date: 4/7/2026

Contract Value: $3,769,529.54 CCM Item:

Contract Modification

Field Change Order 002

Description: Field Change Order 02 - Install 175 LF of 6-inch curb at the Airside 2 passenger loading area

This report may include pending commitments!

Cost Type	Contract Item	Sub-Contractor	Dist.	Plan #	Asset	Pre-Modification	Asset Allocation		Funding Allocation AMT GARBS		Asset Allocation		Funding Allocation AMT GARBS		Balance
Lump Sum	Total Lump Sum					3,489,586.43					3,489,586.43	100.00 %	3,489,586.43		3,489,586.43
NTE Fee	FCO-02 Curb Install		Yes	775	AS 2 & 4 APM Replacement		100.00 %	22,466.24	100.00 %	22,466.24	100.00 %	22,466.24	100.00 %	22,466.24	**22,466.24**
	Total NTE Fee					-		22,466.24	100.00 %	22,466.24		22,466.24	100.00 %	22,466.24	22,466.24
Allowance	Total Allowance					257,476.87					257,476.87	100.00 %	257,476.87		257,476.87

Asset Summary

Asset	Pre-Modification	Asset Allocation		AMT GARBS					Balance
AS 2 & 4 APM Replacement									
AS 2 & 4 APM Replacement	3,747,063.30	100.00%	22,466.24		22,466.24	100.00 %	3,769,529.54	100.00 %	3,769,529.54	3,769,529.54
Total AS 2 & 4 APM Replacement	**3,747,063.30**		**22,466.24**		**22,466.24**	**100.00 %**	**3,769,529.54**	**100.00 %**	**3,769,529.54**	**3,769,529.54**
Total Contract	3,747,063.30		22,466.24	100.00 %	22,466.24		3,769,529.54	100.00 %	3,769,529.54	3,769,529.54

Funding Plan		Asset Allocation Method	Funding Allocation Method	Asset	Asset Rate	Funding Source	Funding Rate
775	AS 2 & 4 Replacement Program	With Airsides (AS) 2 & 4 automated people mover (APM) having exceeded their useful life and showing signs of deterioration, a program to assess and replace this system that may include consultant services, technology and equipment purchases, and construction activities is underway.	Funding will be 100% GARB. This supports ineligible costs, as well as costs that may be eligible for which no restrictive funds are available.	AS 2 & 4 APM Replacement	100.000000 %	AMT GARBS	100.000000 %

box SIGN

Signing Log

Document ID: 4QLY8Z59

Signed document security hash: 3dab99be0cf6252f6056c7798fd2dfa0c2448a53b49b9a39a56480db42f6c075

Sender: Jazmin Stevens (jazmin.stevens@goaa.org)

Document name:	V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf
Request initiated on:	Apr 07, 2026, 01:40:15:340 p.m. (UTC)
Notification Email Subject:	Jazmin Stevens (jazmin.stevens@goaa.org) has requested your signature on a document

Notification Email Message:

> Please sign this document.
>
> Kind regards,
>
> Jazmin Stevens (jazmin.stevens@goaa.org)

IP address:	198.136.190.254
User agent:	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/146.0.0.0 Safari/537.36 Edg/146.0.0.0
Document revised:	Apr 07, 2026, 01:40:48:490 p.m. (UTC)

Signer: ans-goaa-fco@accenture.com

Accessed via emailed link sent to:	ans-goaa-fco@accenture.com
Initials added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	
Text added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	Apr 7, 2026
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Signature frame id:	1893R7QK-4QLY8Z59

Signer: Scott Shedek (scott.shedek@goaa.org)

Logged in to Box account at time of signing:	scott.shedek@goaa.org
Signature added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	
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IP address:	72.189.38.158
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Signer: ans-goaa-fco@accenture.com

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Signature added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	
Selection made to Dropdown, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	No
Text added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	Apr 8, 2026
Attachment(s) added to "Upload Attachment", page 1:	V01023 FCO 02 040726 $22,466.24 (Clancy & Theys).pdf SHA256 security hash: aacaa36f1ea61fd0e9653384896c7f29486dff603c4c8b2876364cf7cf32f35f Uploaded on Apr 08, 2026, 11:59:53:111 a.m. (UTC)
IP address:	2603:9001:3301:4a01:5cae:1386:c53d:fca6
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Signature frame id:	1893R7QK-4QLY8Z59

Signer: Melvin Martinez (melvin.martinez@goaa.org)

Logged in to Box account at time of signing:	melvin.martinez@goaa.org
Signature added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	
Text added, V01023 AS2&4 COOP Ramps FCO 02 Curb Install.pdf, page 1:	Apr 14, 2026
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Signature frame id:	4PJYLWYK-4QLY8Z59

Gets a copy: Jazmin Stevens (jazmin.stevens@goaa.org)

Item 4

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, FL 34787

T. 407.578.1449
www.clancytheys.com

Date:

PCO# - 19 - Canopy Drainage at Existing AS4 Passenger Loading Area

7297- V-1023 AS2 and AS4 COOP Ramps

To: Greater Orlando Aviation Auth
5850 Cargo Road
Orlando, FL 32827

From: Clancy & Theys Construction Company
1401 Beulah Road, Suite 124
Winter Garden, FL 34787

PCO# - 19 - Canopy Drainage at Existing AS4 Passenger Loading Area

Description: This proposal is to furnish labor and materials to add drainage piping to the AS4 passenger loading area. This will include running a 6" schedule 40 PVC main down the center of the canopy while adding branch lines at each column using 2" Schedule 40 PVC. The main will terminate into a 6" schedule 80 PVC downspout at the west end of the canopies.

The existing wet columns will be capped at the roof with 3/16" aluminum and epoxy.

Description		Scope of Work	Cost
Plumbing (Mechanical) - Other			40,888.23
Cost of Work Subtotal			**$40,888.23**
Markup			
Liability Insurance	0.8113%		331.73
Sub Default Insurance	1.2%		490.66
Technology Services	0.2975%		121.64
Fee	8%		3,271.06
Markup Subtotals			**$4,215.09**
Hoist - Rented Equipment		Lift Rental	489.90
General Carpentry - Labor		(16) hours of working foreman labor @ $48.47	775.52
General Carpentry - Owned Equipment		(16) hours truck use @ $9.80	156.80
General Carpentry - Other		Epoxy and metals quotes	242.28
Cost of Work Subtotal			**$1,664.50**
Markup			
Liability Insurance	0.8113%		13.50
Technology Services	0.2975%		4.95
Fee	12%		199.74
Markup Subtotals			**$218.19**
PCO Total:			**$46,986.01**

Greater Orlando Aviation Auth

By: _____

Print: _____

Date: _____

Clancy & Theys Construction Company

By: _____

Print: _____

Date: _____

Specialty Plumbing LLC

PO Box 4937
Haines City, FL 33845 US
(863) 412-2324
kevin@specplumbing.com

Estimate

ADDRESS
Clancy & Theys Construction Company
1401 Beulah Road Suite 124
Winter Garden, Fl 34787

ESTIMATE 23187
DATE 01/27/2026

CLIENT P.O. #
AS4 Canopy Drainage

DATE		DESCRIPTION	QTY	RATE	AMOUNT
01/27/2026	Contract Svcs	Work to be performed Installation of new storm drain system. Installation of new 6" Sch 40 PVC main drain running down the center of the canopy (supported of metal canopy tubing) Install branch lines to each side of the outer column. Hole saw new holes into existing gutter and route piping back to main drain. Existing hole in columns to be patched by others. At the end of the canopy 6" Sch 40PVC will transition to Sch 80 for the new downspout to dump out on the tarmac away from passengers. Price includes Material Labor Lift Badging and Decals Excludes Permit Plumbing Drawings	1	40,888.23	40,888.23

TOTAL **$40,888.23**

Accepted By

Accepted Date

Your Cart (12 items)

Item	Price	Quantity	Total
Aluminum Sheet - Custom Cut 01/04/2026 21:10:48 **Metal Type:** 3003-H14 Mill Finish **Thickness:** .190" **Packaging Size (L x W x H):** 6.0 x 6.0 x 0.19	$10.01	— 12 +	**$120.12** ×

Unlock Insider Access

Subtotal:	$120.12
Shipping:	$30.00
Coupon Code:	Add Coupon
Grand total:	$150.12

Pay in 4 interest-free payments of $37.53 with PayPal. Learn more

Zero interest or as low as $14/mo with affirm. See if you qualify

Continue Shopping

Check Out

UP TO 40% OFF Select Appliances. Shop Now.

CART (12)

Share

Total: $92.16

Checkout

Select All Remove Save to List Save for Later

Pickup

South Chase (1 item)

J-B Weld
Original Cold Weld 2-Part Epoxy Syringe
Model #50165

$92.16
($7.68/item)

Pickup at South Chase Delivering to 34741

Pickup
Today
20 in stock
FREE

Delivery
Tomorrow
20 available
Free Fast Delivery

Check Nearby Stores

Get it delivered as soon as tomorrow.
Schedule your delivery in checkout.

Save for Later Save to List Remove

12

Recently Viewed

ROPPE Vinyl Wallbase Dark Gray 0.080 in. T…
(30)
$34.98 /case ($2.19/unit)
Add to Cart

HDX 2 ft. 14/3 Medium Duty Indoor/Outdoor…
(478)
$9.98
Add to Cart

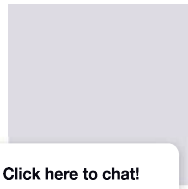
RIDGID 9 in. 12/3 Heavy Duty Indoor/Outdoor…
(85)
$16.48
Add to Cart

0.5 ft. 16/3 Extension Cord
(449)
$5.98
Add to Cart

0.5 ft. 16/3 Extension Cord, Indoor, Black (2…
(12)
$5.44
Add to Cart

USG Ceilings 2 ft. x 4 ft. Radar Basic White…
(615)
$41 /cas ($1.2
Add to Cart

QualGear 25 ft. Cat 6 High-Speed Ethernet…
(8)
Add to Cart



Laminate Sheet in Whi…
(56)
Add to Cart

Click here to chat!

Customers Also Purchased...

J-B Weld Two 1 oz. Twin Tube Cold Weld Epoxy
(1666)
Add to Cart

J-B Weld 0.85 oz. ClearWeld Quick-Set…
(1187)
Add to Cart

Best Seller

J-B Weld 2 oz. Waterweld Epoxy
(2009)
Add to Cart

J-B Weld 0.85 oz. Plastic Bonder Epoxy
(1086)
Add to Cart

Best Seller

Gorilla 0.85 fl. oz. Epoxy
(1976)
Add to Cart

J-B W Weld
Add to Cart

INVOICE

SUNBELT® RENTALS

SEND ALL PAYMENTS TO:

SUNBELT RENTALS, INC.
PO BOX 409211
ATLANTA, GA 30384-9211

INVOICE NO.	178607024-0005
ACCOUNT NO.	3576
INVOICE DATE	3/12/26
PAGE	1 of 1

INVOICE TO

1oz - 149 - 149
CLANCY & THEYS CONSTRUCTION CO
1401 BEULAH ROAD
SUITE 124
WINTER GARDEN, FL 34787

JOB ADDRESS

TERMINAL C UNIVERSAL STORE
10200 JEFF FUQUA BLVD S
ORLANDO, FL 32827

407-676-2529

RECEIVED BY	CONTRACT NO.
HARVEY, KEVIN	178607024

PURCHASE ORDER NO.: UNIVERSAL

JOB NO.: TERMINAL C UNIVERSAL

BRANCH

ORLANDO PC012
1272 JETPORT DR
ORLANDO, FL 32809 7826
407-855-0050

QTY	EQUIPMENT #	Min	Day	Week	4 Week	Amount
1.00	MICRO 19' ELECT SCISSORLIFT LCS	150.00	150.00	270.00	460.00	460.00
	10405690 Make: MEC Model: MICRO 19 XD LCS Ser #: 16101086					
	HR OUT: 248.018 HR IN: 253.720 TOTAL: 5.702					
				Rental Sub-total:		460.00

BILLED FOR FOUR WEEKS 3/03/26 THRU 3/30/26.

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.
PO BOX 409211
ATLANTA, GA 30384-9211

NET 30
Invoices not paid within 30 days may be subject to a 1-½% per month charge.

TERRY JOHNSON terry.johnson@sunbeltrentals.com

SUBTOTAL	460.00
SALES TAX	29.90
INVOICE TOTAL	489.90

4 WEEK BILL

WORK SHEET - PRICING CONFIRMATION

Change Order No.15
Item No.4

Pricing Summary
V-01023 Airsides 2 and 4 COOP Ramps (D/B)
AS4 Passenger Loading Area Drainage

4/2/2026

Description	Unit	Contractors Base Bid Pricing Add Qty	Deduct Qty	Unit Price	Amount	Unit	OAR Estimate Add Qty	Deduct Qty	Unit Price	Amount	Unit	Final Change Order Cost Add Qty	Deduct Qty	Unit Price	Amount
Clancy & Theys Construction Company															
Materials	Lpsm	1.00	-	242.28	$ 242.28	Lpsm	0.00			$ -	Lpsm	1.00	-	242.28	$ 242.28
General Carpentry Labor	M.H	16.00	-	48.47	$ 775.52	Lpsm	0.00		-	$ -	Lpsm	16.00	-	48.47	$ 775.52
Supervision Labor	M.H		-	-	$ -	Lpsm							-	-	$ -
Supervision Labor	M.H		-	-	$ -	Lpsm							-	-	$ -
Foreman	M.H		-	-	$ -	Lpsm							-	-	$ -
Equipment	Lpsm	1.00	-	489.90	$ 489.90	Lpsm	0.00			$ -	Lpsm	1.00	-	489.90	$ 489.90
Truck	M.H	16.00	-	9.80	$ 156.80	Lpsm	0.00		-	$ -	Lpsm	16.00	-	9.80	$ 156.80
Insurance	Lpsm		-	-	$ -	Lpsm	0.00				Lpsm		-	-	$ -
Permit	Lpsm		-			Lpsm	0.00				Lpsm		-		
OAR Estimate						Lpsm	0.00	-		$ -					
Total:					$ 1,664.50					$ -					$ 1,664.50
G.C. Subtotal					**$ 1,664.50**					**$ -**					**$ 1,664.50**
Subcontractors															
Specialty Plumbing	Lpsm	1.0		40,888.23	$ 40,888.23	Lpsm	0.00			$ -	Lpsm	1.0		40,888.23	$ 40,888.23
Percopo Coatings Company	Lpsm	-		-	$ -	Lpsm	0.00				Lpsm	-		-	$ -
Sunbelt	Lpsm	-		-	$ -	Lpsm	0.00				Lpsm	-		-	$ -
Rexel	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
Towers	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
Titan	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
Towers	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
OAR Estimate	Lpsm	-		-	$ -	Lpsm	1.0			$ -	Lpsm	-		-	$ -
Subcontractor Mark-up		0.00%			$ -		0.00%			$ -		0.00%			$ -
Total:					$ 40,888.23					$ -					$ 40,888.23
Sub Contractor Subtotal					**$ 40,888.23**					**$ -**					**$ 40,888.23**
Liability Insurance		0.8113%			$ 345.23		0.8113%			$ -		0.8113%			$ 345.23
Sub Default Insurance		1.2000%			$ 490.66		1.2000%			$ -		1.2000%			$ 490.66
Technology Services		0.2975%			$ 126.59		0.2975%			$ -		0.2975%			$ 126.59
Tax		6.5000%										6.5000%			
Subtotal					**$ 43,515.21**					**$ -**					**$ 43,515.21**
G.C. Mark up on Sub Contrctor work		8.00%			**$ 3,271.06**		10.00%			**$ -**		8.00%			**$ 3,271.06**
G.C. Mark up on self performed work		12.00%			**$ 199.74**		0.00%					12.00%			**$ 199.74**
Permit															
Grand Total					$ 46,986.01					$ -					$ 46,986.01

REQUEST FOR INFORMATION (RFI)

To: GREATER ORLANDO AVIATION AUTHORITY
Senior Project Manager

RFI No.: 18
Date: 3/31/2026
Sheet: 1 of 1

Project No. / Name: V-01023 Airsides 2 & 4 COOP Ramps

Date Information Required: ASAP

Reference: Contract Drawing: _____ Specification: _____
Shop Drawings: _____ Other: _____

Subject: AS4 Passenger Loading Area Drainage
Description: Please confirm that the owner would like to add overhead drainage to the existing passenger loading area at AS4, which was built by others.
Pending reply, proceeding as follows:

Contractor Signature: *Barry Buckman*

Response:
Confirmed. It is requested that the contractor provide pricing to add overhead drainage to the existing passenger loading area at Airside 4.

A/E Signature: _____

GOAA (or OAR) Signature: *Nils Johnson*
box SIGN 4ZLW7564-1JXR79K8

cc: A/E, OAR, GOAA

Item 5

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, FL 34787

T. 407.578.1449
www.clancytheys.com

Date:

PCO# - 20 - Gates at AS2 Passenger Loading Area
7297- V-1023 AS2 and AS4 COOP Ramps

To: Greater Orlando Aviation Auth
5850 Cargo Road
Orlando, FL 32827

From: Clancy & Theys Construction Company
1401 Beulah Road, Suite 124
Winter Garden, FL 34787

PCO# - 20 - Gates at AS2 Passenger Loading Area

Description: This pricing is to add (2) man gates at the AS2 passenger loading area at the request of the owner.

Description	Scope of Work	Cost
Fences and Gates - Subcontract		1,716.99
Cost of Work Subtotal		**$1,716.99**
Markup		
Liability Insurance	0.8113%	13.93
Sub Default Insurance	1.2%	20.60
Technology Services	0.2975%	5.11
Fee	10%	171.70
Markup Subtotals		**$211.34**
PCO Total:		**$1,928.33**

Greater Orlando Aviation Auth

By: _____

Print: _____

Date: _____

Clancy & Theys Construction Company

By: _____

Print: _____

Date: _____

SUBCONTRACTOR CHANGE ORDER REQUEST BREAKDOWN

SUBCONTRACTOR CHAPCO FENCE LOCATION:GOAA SWING GATES

ESTIMATOR ____JASON JUNNILA_____

RCO#_____ REF_____RFT_____

ITEM	DESCRIPTION SUPPLY AND INSTALL 12'W 9'HSWING GATES TO SQ POST AWNING	QTY	UNITS	MATERIAL UNIT PRICE	MATERAL EXTENTION	LABOR UNIT PRICE	LABOR EXTENTION	DESCRIPTION OF EQUIPMENT	EQUIPMENT EXTENTION
1	Labor cost for a two man crew install gates	3	Per man			$100	$600		
2	Day rate for truck and tools							Truck/tools	$250
3									
4	pipe and hardware cost for gates	1		425	425				
5	Welding rods	8	ea	.50ea	4.00				
6	Labor cost to build and wrap gates (welder)	2	Per man			$70	140		
7									
9									
10									
	SUBTOTALS								

Sales tax					
Subtotal	$429	740			250

Total Materials	429
Total Labor	740
Total Equipment	250
	1,419
Total Direct Cost Overhead 10%	141.90

Profit	156.09
Total request for change order	$1,716.99

REQUEST FOR INFORMATION (RFI)

To: GREATER ORLANDO AVIATION AUTHORITY
Senior Project Manager

RFI No.: 19
Date: 3/31/2026
Sheet: 1 of 1

Project No. / Name: V-01023 Airsides 2 & 4 COOP Ramps

Date Information Required: ASAP

Reference: Contract Drawing: _____ Specification: _____
Shop Drawings: _____ Other: _____

Subject: AS2 Passenger Loading Area Gates
Description: Please confirm that the owner would like to add (2) man gates at the passenger entrance to the AS2 passenger loading area as a means to control passenger flow onto the busses.
Pending reply, proceeding as follows:

Contractor Signature: *Barry Buckman*

Response:
Confirmed. It is requested that the contractor provide pricing to add two man gates at the passenger entrance to the Airside 2 passenger loading area.

A/E Signature: _____

GOAA (or OAR) Signature: Nils Johnson
box SIGN 4ZLW7564-15WQ73WY

cc: A/E, OAR, GOAA

WORK SHEET - PRICING CONFIRMATION

Change Order No.15
Item No.5

Pricing Summary
V-01023 Airsides 2 and 4 COOP Ramps (D/B)
AS2 Passenger Loading Area Gates

4/2/2026

Description	Unit	Contractors Base Bid Pricing Add Qty	Deduct Qty	Unit Price	Amount	Unit	OAR Estimate Add Qty	Deduct Qty	Unit Price	Amount	Unit	Final Change Order Cost Add Qty	Deduct Qty	Unit Price	Amount
Clancy & Theys Construction Company															
Materials	Lpsm		-	-	$ -	Lpsm	0.00			$ -	Lpsm		-	-	$ -
General Carpentry Labor	M.H		-	-	$ -	Lpsm	0.00		-	$ -	M.H		-	-	$ -
Supervision Labor	M.H		-	-	$ -	Lpsm					M.H		-	-	$ -
Supervision Labor	M.H		-	-	$ -	Lpsm					M.H		-	-	$ -
Foreman	M.H		-	-	$ -	Lpsm					M.H		-	-	$ -
Equipment	M.H		-	-	$ -	Lpsm	0.00			$ -	M.H		-	-	$ -
Portable Toilet	Lpsm		-	-	$ -	Lpsm	0.00		-	$ -	Lpsm		-	-	$ -
Insurance	Lpsm		-	-	$ -	Lpsm	0.00				Lpsm		-	-	$ -
Permit	Lpsm		-	-		Lpsm	0.00				Lpsm		-	-	
OAR Estimate						Lpsm	0.00	-		$ -					
Total:					$ -					$ -					$ -
G.C. Subtotal					$ -					$ -					$ -
Subcontractors															
OLP	Lpsm	-		-	$ -	Lpsm	0.00			$ -	Lpsm	-		-	$ -
Percopo Coatings Company	Lpsm	-		-	$ -	Lpsm	0.00				Lpsm	-		-	$ -
Chapco Fence	Lpsm	1.0		1,716.99	$ 1,716.99	Lpsm	0.00				Lpsm	1.0		1,716.99	$ 1,716.99
Rexel	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
Towers	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
Titan	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
Towers	Lpsm	-		-	$ -		0.00				Lpsm	-		-	$ -
OAR Estimate	Lpsm	-		-	$ -	Lpsm	1.0		2,157.60	$ 2,157.60	Lpsm	-		-	$ -
Subcontractor Mark-up		0.00%			$ -		0.00%			$ -		0.00%			$ -
Total:					$ 1,716.99					$ 2,157.60					$ 1,716.99
Sub Contractor Subtotal					$ 1,716.99					$ 2,157.60					$ 1,716.99
Liability Insurance		0.8113%			$ 13.93		0.8113%			$ 17.50		0.8113%			$ 13.93
Sub Default Insurance		1.2000%			$ 20.60		1.2000%			$ 25.89		1.2000%			$ 20.60
Technology Services		0.2975%			$ 5.11		0.2975%			$ 6.42		0.2975%			$ 5.11
Tax		6.5000%										6.5000%			
Subtotal					$ 1,756.63										$ 1,756.63
G.C. Mark up on Sub Contrctor work		10.00%			$ 171.70		10.00%			$ 215.76		10.00%			$ 171.70
G.C. Mark up on self performed work		15.00%			$ -		0.00%					15.00%			$ -
Permit															
Grand Total					$ 1,928.33					$ 2,423.17					$ 1,928.33

C. Hernandez

OAR Estimate Summary
V-01023 AS 2 & 4 COOP Ramps
AS 2 Passenger Loading Areas Gates

Description	Quantity	Unit	Material	Labor	Equipment	Cost
Welder	5	M.H.	$0.00	$75.00	$0.00	$375.00
Foreman	2	M.H.	$0.00	$85.00	$0.00	$170.00
Laborer	12	M.H.	$0.00	$55.00	$0.00	$660.00
Chain Link Gate Panels	2	EA	$220.00	$0.00	$0.00	$440.00
Steel Posts	4	EA	$45.00	$0.00	$0.00	$180.00
Concrete	6	BAG	$8.00	$0.00	$0.00	$48.00
Hinges	4	EA	$18.00	$0.00	$0.00	$72.00
Latches	2	EA	$35.00	$0.00	$0.00	$70.00
Welding Rods	1	EA	$25.00	$0.00	$0.00	$25.00
Truck	12	MH	$0.00	$0.00	$9.80	$117.60
			$0.00	$0.00	$0.00	$0.00
Direct Cost of Work						**$2,157.60**
Support Labor	0	M.H.	$0.00	$0.00	$0.00	$0.00
Prime Vehicle (015433.40.7200)	0	HR	$0.00	$0.00	$0.00	$0.00
Liability Insurance	0.8113%	L.S.	$0.00	$0.00	$0.00	$17.50
Sub Default	1.2000%	L.S.	$0.00	$0.00	$0.00	$25.89
Technology Services	0.2975%	L.S.	$0.00	$0.00	$0.00	$6.42
Prime Mark-up on Sub-Contractor	10%	L.S.	$0.00	$0.00	$0.00	$215.76

Grand Total: **$2,423.17**

C. Hernandez

Item 7

	Contractor Extension of Time (EOT) Entitlement		
Greater Orlando Aviation Authority	GREATER ORLANDO AVIATION AUTHORITY	AS 2 & 4 COOP RAMPS	V-1023

Project Impact Information

Project Name: AS 2 & 4 COOP Ramps

Contractor: Clancy & Theys

Impacted GMP(s): V-1023 Project

Number of Calendar Days Requested: 102

Reference Documents (RFI, ASI #'s, etc.): OAR Summary of Impacts and Impacted Longest Path

OAR's Program Scheduler: Bryan Quigley

Impact Analysis Information

Did the alleged delay impact the Critical Path at the time of the impact? Yes

Did the Contractor adequately provide narrative explaining the delay? Yes

Did the Contractor adequately depict the impact? Yes

OAR Comments:

The OAR agrees with the contractor's request for an excusable, non-compensable time extension to the contract.

Change order #13 added the addition of transfer level canopies at Airsides 2 and 4. Due to the interruption of the operations at Lane 4700, Clancy & Theys completed the installation of the transfer level canopies as of early March of 2026. A vehicle traction motor failed and had to be ordered. During this time COOP operations were triggered, and the canopy crews had to stop work and remobilize once Alstom had completed the required vehicle repairs.

During COOP operations (Post POUAs) the Airport experienced heavy rainfall events which led to the determination that additional curbing at AS 2 and drainage at AS 4 would be required so as not to be a detriment to customer experience. Change order #15 adds additional curbing at AS 2 and drainage improvements at AS 4. Change Order #15 has been aligned for review at the April 21, 2026, CCM, with the May 2026 Board review to follow. Once approved, the added scope of work associated with change order #15 would require an additional two and a half weeks of work to complete. As a result, the contractual substantial completion was impacted by a total of 102 calendar days, resulting in the Project's substantial completion by 06/05/26, with final completion to follow within 45 calendar days later.

No added general conditions have been requested. The OAR recommends a excusable, non-compensable time extension of 102 calendar days, resulting in a revised contract substantial completion date of June 5, 2026. This entitlement request resolves any and all claims for cost and time.

Attachment(s): Change Order #15 / Impacted Longest Path fragnet

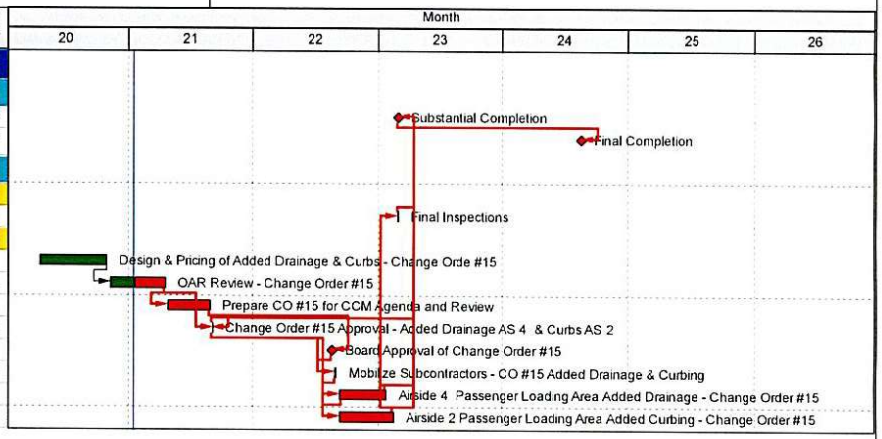
Number of Calendar Days Recommended to be Granted: 102

Substantial Completion Date Prior to Entitlement: 02/23/26

Revised Substantial Completion Date: 06/05/26

OAR evaluation by: Bryan Quigley	Signature: Bryan Quigley	Date: April 14, 2026
Signature of CM@R indicates agreement with the number of calendar days recommended to be granted based on OAR evaluation.	CM@R signature:	Date:

Activity ID	Activity Name	Original Cal Days	Remaining Cal Days	Start	Finish	Total Float
AS2 & AS4 CCOP RAMPS_Update 4.2.26		72	78	10-Mar-26 A	20-Jul-26	-72
Milestone Summary		31	31	05-Jun-26	20-Jul-26	-72
M-100	Substantial Completion	0	0		05-Jun-26*	-102
M-110	Final Completion	0	0		20-Jul-26*	-102
Construction		41	47	10-Mar-26 A	05-Jun-26	-74
APM Platform Canopies (Change Order 14)		1	1	05-Jun-26	05-Jun-26	-74
A1760	Final Inspections	1	1	05-Jun-26	05-Jun-26	-74
Change Order #15		40	46	10-Mar-26 A	04-Jun-26	-74
TIA 03-1000	Design & Pricing of Added Drainage & Curbs - Change Orde #15	15	0	10-Mar-26 A	26-Mar-26 A	
TIA 03-1010	OAR Review - Change Order #15	10	6	27-Mar-26 A	09-Apr-26	-74
TIA 03-1020	Prepare CO #15 for CCM Agenda and Review	7	7	10-Apr-26	20-Apr-26	-74
TIA 03- A1780	Change Order #15 Approval - Added Drainage AS 4 & Curbs AS 2	0	0	21-Apr-26	21-Apr-26	-52
TIA 03-1025	Board Approval of Change Order #15	0	0		20-May-26	-74
TIA 03-1030	Mobilize Subcontractors - CO #15 Added Drainage & Curbing	1	1	21-May-26	21-May-26	-74
TIA 03-A1790	Airside 4 Passenger Loading Area Added Drainage - Change Order #15	8	8	22-May-26	02-Jun-26	-74
TIA 03-A1800	Airside 2 Passenger Loading Area Added Curbing - Change Order #15	10	10	22-May-26	04-Jun-26	-74



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Greater Orlando Aviation Authority

Greater Orlando Aviation Authority

Published By: Jennifer V
Reviewed By: Jeff Reine

CCM HANDOUT
4/28/2026
Item III-J
Full Item
Replacement

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B)	DATE: 04/28/26
CONTRACTOR:	Clancy & Theys Construction Co	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative. Provide all labor, material, and equipment to power wash and paint vertical surfaces and ceiling of the Departure, Arrival, and Commercial Lanes. The change order is the mechanism for the conversion of the Allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $2,562,156.91

Item #2 – Allowance Reduction- Reduce the power washing and painting at Departures, Arrivals, and Commercial lanes Allowance by ($2,562,156.91) From $3,200,00.00 to $637,843.09 to cover the costs of Item #1 above

Deduct: ($2,562,156.91)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract Allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the Allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 2,562,156.91		
GOAA/OAR Estimate	$ 2,387,198.82		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(For Info. Only)	$	206,343.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	0.00
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00

CC
ITEM III-J
04/28/2026

Published By: Jennifer Woods
Reviewed By: Jeff Reine

PREPARED BY: Jennifer Woods				PHONE: x4056
*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed: 04/24/26	Initials of Reviewer: BS	Verification of Funding by Finance: Melvin Martinez

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, Florida 34787
407.578.1449 | www.clancytheys.com
FL License No. CGC1521064

April 15, 2026

RCO 001

Jennifer Woods
Greater Olando Aviation Authority

Re: V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B)

Dear Ms. Woods:

Thank you for the opportunity to present pricing for the V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B) project. Based on the scope of work listed below, this project can be completed at a cost of $2,562,156.91.

1) Apply High Performance Acrylic Pastel Based Coating (Flat Finish with Low Angular Sheen) to arrivals levels ceilings, concrete columns on levels 1-3, opposing knee wall on levels 2 and 3 and face between walls. All exposed stucco on levels 1-3.
2) All stucco and concrete are to receive 2 coats of Sherwin Williams Duration Exterior Latex Coating in flat sheen.
3) **Façade between levels 1 and 2 is to be painted. Planter bed façade between levels 2 and 3 is not included.**
4) **Concrete column supporting bridge to terminal top garage is not included.**
5) Concrete benches at ground transportation level to receive a high-performance epoxy coating with pre-catalyzed urethane gloss finish.
6) Vertical caulk expansion joints at level 2 columns are to be removed and recaulked totaling approximately 2700 LF.
7) All curbs that are currently painted at levels 2 and 3 are to be repainted.
8) (12) 20’ concrete speed bumps are to be repainted. No additional roadway striping is included.
9) Night work is expected at roadways and other areas as required.
10) Debris netting to be hung from roadway when painting roadway ceilings using 3/8” aircraft cable and carabiners.
11) Bike rack style barricades will be set up and removed nightly.
12) Pricing assumes a minimum of (4) 10-hour night shifts per week.
13) A 2-lane closure MOT plan will be implemented by MOT certified C&T staff. FDOT MOT plans included.
14) Sprinkler piping is not to be painted (protected).
15) All pressure washing and prep per manufacturer’s instructions is included.

Item	Unit	Quantity	Unit Price	Item Total
Painting	LS	1	$ 1,901,927.00	$ 1,901,927.00
MOT Rental	120 days	1	$ 19,062.60	$ 19,062.60
Steel Cable Installation for Netting	LS	1	$ 25,553.38	$ 25,553.38
Debris Netting	LS	1	$ 4,861.69	$ 4,861.69
Misc. Consumables	LS	1	$ 2,500.00	$ 2,500.00
Bike Rack Barricades	LS	1	$ 8,914.16	$ 8,914.16

Senior Project Manager	Hours	360	$ 98.36	$ 35,409.60
Safety Director	Hours	40	$ 95.11	$ 3,804.40
Superintendant 1	Hours	720	$ 79.08	$ 56,937.60
Assistant Superintendant	Hours	720	$ 53.53	$ 38,541.60
Working Foreman	Hours	720	$ 48.47	$ 34,898.40
Trucks	Hours	2560	$ 9.80	$ 25,088.00
Field Office	Months	2	$ 2,000.00	$ 4,000.00
Dumpsters	Pulls	2	$ 410.00	$ 820.00

Subtotal		**$ 2,162,318.43**
Insurance	0.8113%	$ 17,542.89
Bond	1% of $3.2mm	$ 32,000.00
Subcontractor Default Insurance	1.20%	$ 25,947.82
Fee	15%	$ 324,347.76
Total		**$ 2,562,156.91**

CLANCY &THEYS
CONSTRUCTION COMPANY

421 N. Harrington St.
Suite 200
Raleigh, NC 27603

Post Office Box 27608
Raleigh, NC 27611-7608
License No. 2077

T 919-834-3601
F 919-836-2160

April 24, 2026

To Whom It May Concern

Reference: Billable Rates
Lee Maizel, Safety Director Orlando

Please see that Mr. Maizel's base rate of pay is $73.518/hour plus 42% burden would be $104.40.

If you need additional information, please contact me at 919-834-3601 or cynthiadunmire@clancytheys.com.

Sincerely,

CLANCY & THEYS CONSTRUCTION COMPANY

Cynthia S. Dunmire
Payroll Manager/Fraud Control Specialist

Becky Sanchez

From: Kevin Harvey <kevinharvey@clancytheys.com>
Sent: Friday, April 24, 2026 12:42 PM
To: Jennifer Woods; Becky Sanchez
Cc: William Zecher
Subject: RE: V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (DB) C&T Proposal R1.pdf
Attachments: Orlando Rates Maizel.pdf

CAUTION: This email originated outside of GOAA. Stop and think before you click! If you are not expecting it or if it looks suspicious, please report it using the Phishing Report Button.

Becky,

Please see attached wage documentation. The actual rate for safety director is higher than my division manager told me when pricing this project. We can leave it at the rate in the proposal.

Kevin Harvey
Senior Project Manager, Aviation
Clancy & Theys Construction Company
(407) 676-2529

From: Jennifer Woods <jennifer.woods@goaa.org>
Sent: Thursday, April 23, 2026 1:11 PM
To: Kevin Harvey <kevinharvey@clancytheys.com>
Subject: FW: V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (DB) C&T Proposal R1.pdf

[EXTERNAL EMAIL]

Jennifer Woods
Project Manager, Construction

Orlando International Airport | America 250 Florida

jennifer.woods@goaa.org

Insight Global
FlyMCO.com

From: Becky Sanchez <becky.sanchez@goaa.org>
Sent: Thursday, April 23, 2026 1:02 PM
To: Jennifer Woods <jennifer.woods@goaa.org>
Subject: RE: V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (DB) C&T Proposal R1.pdf

Absolutely. It just needs to show the actual rate paid to the staff member. If using 42% burden, that would be $66.98 (66.98 x 42% = $95.11).

That can be sent to me anytime so I can process the rate verifications.

Thank you,

Becky Sanchez
Senior Compliance Analyst

Orlando International Airport | America 250 Florida

becky.sanchez@goaa.org
P +14077265213 **C** +14077265213

Greater Orlando Aviation Authority
FlyMCO.com

From: Jennifer Woods <jennifer.woods@goaa.org>
Sent: Thursday, April 23, 2026 9:50 AM
To: Becky Sanchez <becky.sanchez@goaa.org>
Subject: FW: V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (DB) C&T Proposal R1.pdf

Will this work?

Jennifer Woods
Project Manager, Construction

Orlando International Airport | America 250 Florida

jennifer.woods@goaa.org

Insight Global
FlyMCO.com

421 Gold Metal Ct.
Longwood, FL 32750
Phone: 407-331-3805
Fax: 407-331-4019

Percopo Coatings Company

- *Painting & Coatings*
- *Seamless flooring*
- *Special Finishes*
- *Waterproofing*
- *Wall coverings*
- *Restoration & Repair*
- *Project Management*

Updated April 15, 2026

Kevin Harvey
Clancy & Theys Construction Co.
7308 Greenbriar Parkway
Orlando, FL 32819

Re: GOAA – Terminal A Traffic Lanes Concrete Ceilings Arrival & Commercial Lanes Levels 1, 2 & 3.

Dear Kevin,

Please find below our pricing for the above-mentioned project according to the Site Visits, and in accordance with the scope of work listed:

SCOPE OF WORK:

- Pressure Washing All substrates.
- Traffic Lane Ceilings and all concrete, masonry and stucco surfaces to receive High Reflective High Performance Acrylic Pastel Based Coating (Flat Finish with Low Angular Sheen) for Hiding and Reflection.
- Sprinkler Pipes Painting Not Included (Protection)
- Misc. Conduit and Devices in the Field of work intended to be painted.
- Prep and Priming of Steel in Ceiling
- Installation of Scrim/ Fabric Barrier for protection of traffic and overspray by 37 Bays done in phases of 3 at a time on 3rd shift and only Bays in front of doors at this time. (Supplied by Others)
- All Large and Small Columns
- Concrete Benches, Prep, Epoxy with a HP Finish.
- Opposing Knee Walls and Face of Wall Between Levels 1 and 2
- 150 each 2” Joints @ Columns approx. 2700LF
- Repaint Curb
- Paint 12 Speed Bumps
- Work to be performed in a combination of all shifts.
- Includes all access & hoisting
- Includes all paint related prep and protection

Total Cost Painting – Terminal A&B Levels 1, 2 and 3: $ 1,901,927.00

If you have any questions, please call me @ 407-331-3805. Thank you for this opportunity.

Sincerely,

Mike Percopo
CEO
Percopo Coatings Company
Cc: B0098-2026 Bid File

MOT PLANS
4928 OLD WINTER GARDEN RD
ORLANDO, FL 32811

Date: 3/23/26	***Contractor: Clancy & Theys***
Contact: Kevin Harvey	***Phone: 407-676-2529***
Email : kevinharvey@clanceytheys.com	***Job Name: GOAA A & B Terminal Arrivals Ceiling Paint Rev.1***
Index # FDOT 613	*120 Days Rental for Lane Closures*

Please submit a PO# or Job Name if your Company Requires One, at the time the order is placed.

	DESCRIPTION	PRICE	UOM	TOTAL
20	***Work Zone Signs – As Required***	***$0.65***	***120***	***$1,560.00***
100	***Traffic Cones***	***$0.30***	***120***	***$3,600.00***
2	***Arrow Boards***	***$15.00***	***120***	***$3,600.00***
2	***Variable Message Boards***	***$25.00***	***120***	***$6,000.00***
2	***MOT Set-up by Certified Personnel (Nighttime)***	***$450.00***	***Each***	***$900.00***
2	***MOT Take-down by Certified Personnel (Nighttime)***	***$450.00***	***Each***	***$900.00***
4	***MOT Drawings by Certified Personnel (Two Sheet Drawings)***	***$350.00***	***Each***	***$1,400.00***
	Total without Tax			***$17,960.00***

GENERAL CONDITIONS: **** This quote is based on the information provided, however if anything else is needed we will provide you with a revised quote. Quote expires on 6/22/26.***

Tax: $1,102.60
Total: $19,062.60

Night Time Flagging Operation requires Light Towers as Per FL. DOT Index 603
Fuel for Light Tower added upon return $6.00 Gal. Charge for KEY if Not Returned $15.00**
MOT Plans Drawing (ATSSA-Certified) if required will be charged a minimum of $250.00
This quote is based on Plans provided.
This quote becomes part of any ensuing contract.
Pick up charges will be assessed at the end of the rental. Additional fees will apply for Add-Ons and Partial Pick-Ups.
Any deviation from plans may result in additional charges.
Signs are standard post mounted. Contractor is responsible for the entire Lump Sum.
Contractor is responsible for placement of MOT devices, unless otherwise specified.
Contractor is responsible for losses or damages.
All Damage to Attenuators, Barrier Wall & MOT Equipment is the responsibility of the Contractor andRepairs or replacement are billed at cost plus 20% made payable to MOT Plans LLC.
Signs are standard MUTCD only.
Contractor responsible for covering signs.
Contractor responsible to adhere to the clear zone requirements when equipment is not in use.
MOT Plans will not take on the responsibility of project Work Zone Traffic Control Supervisor unless
A specific agreement is executed in writing.

Quoted By-Jose Gonzalez ***jose@motplans.com*** ***407-813-6979***

Kevin Doxtater
Structural Steel
Shear Studs

Mobile: (407) 687-1528
Email: kevindfase@aol.com

FIRST AMERICAN STEEL ERECTORS CORP.
P.O. Box 953455
Lake Mary, Florida 32795-3455

Proposal: CT-13

Proposal Submitted:	Job #	Date:
CLANCY & THEYS CONSTRUCTION		03/18/2026
Street:	**Job Name:**	
1401 BEULAH RD, SUITE 124	ORLANDO INTERNATIONAL AIRPORT	
City, State and Zip Code:	**Job Location:**	
WINTER GARDEN, FL 34787	1 JEFF FUQUA BLVD, ORLANDO, FL 32827	
Name:	**Contact Number:**	**email:**
KEVIN HARVEY	407 676 2529	kevinharvey@clancytheys.com

PROPOSAL For Installing Aircraft Cable at Terminals A and B Arrivals Lane, Removal Included

LABOR WILL BE PERFORMED AT NIGHT AS COORDINATED WITH C&T

LABOR TO INSTALL 3/8" AIRCRAFT CABLE BETWEEN STRUCTURAL BEAMS TO HANG NETTING

3 MEN x 10 HOURS x 9 NIGHTS @ $85 PER HOUR	$22,950.00
AIRCRAFT CABLE	$ 2,103.38
MISC. FITTINGS	$ 500.00

TOTAL AMOUNT: $25,553.38

WE PROPOSE hereby to furnish tools and labor-complete in accordance with above specifications, for the sum of: $25,553.38

Remit Payment to: FIRST AMERICAN STEEL ERECTORS CORPORATION
P. O. BOX 953455
LAKE MARY, FL 32795-3455

All work is to be completed in a substantial workman like manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreement contingent upon strikes, accidents or delay beyond our control. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature: _____

Print_____ Title_____

ACCEPTANCE OF PORPOSTAL the above prices, specifications and conditions are Satisfactory and hereby accepted. You are authorized to do the work as specified. **Proposal is valid for 30 days**. Payment will be made as outline above.

Signature: _____ Title: _____

Print: _____ Date: _____

US CARGO CONTROL

inharvey407@gmail.com

d, 306

reet, #3100

d

3/8" 7x19 Galvanized Aircraft Cable - IPS | 2,500 ft. $1,975.00

Discount code

Apply

Subtotal	$1,975.00
Shipping	FREE
Estimated taxes	$128.38
Total	USD **$2,103.38**

Former and current Military members: Click Verify with ID.me below for a 10% discount. Thank you for your service!

Verify with ID.me

CHECKOUT

✔ SHIPPING

✔ REVIEW & PAYMENTS

Estimated Total
$4,861.69

SHIPPING ADDRESS

Email Address *

kevinharvey@clancytheys.com

You can create an account after checkout.

First Name *

Clancy

Last Name *

Company

Company

Clancy and Theys Construction

Street Address *

11406 Terminal C Service Rd

#33

Country *

United States

State/Province *

Florida

City *

Orlando

Zip/Postal Code *

32824

Phone Number *

4076762529

Please enter a valid phone number. For example (123)456-7890.

Does your order need to ship blind / without any pricing paperwork included ? *

No

Do you requre a delivery appointment for delivery of your order ? *

No

SHIPPING METHODS

New Orleans Warehouse

Eagle Industries DN50-20200-BLK-FR - Black 20' x 200' Flame Retardant Standard Debris Netting

SKU DN-20200-BLK-FR

$998.40

QTY: 4

Change

$571.36 LTL Freight Carrier - LTL

NEXT

ORDER SUMMARY

Cart Subtotal	$3,993.60
Shipping LTL Freight Carrier - LTL	$571.36
Tax	$296.73
Order Total	**$4,861.69**

Eagle Industries DN50-20200-BLK-FR - Black 20' x 200' Flame Retardant Standard Debris Netting

Qty: 4

$3,993.60

Estimated Shipping Date : 03/26/26 - 03/30/26

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NATIONAL CONSTRUCTION RENTALS®

ORLANDO OFFICE
(407) 381-2727

800-352-5675 • rentnational.com

QUOTE FOR SERVICES

COMPANY INFO: CUSTOMER # 42631		JOB SITE INFO: SITE # 0134	
Company:	CLANCY AND THEYS	**Job Name:**	OIA
Requested By:	KEVIN HARVEY **Phone:** 407-676-2529	**Address:**	1 JEFF FUQUA BLVD ORLANDO, FL 32827-4392
E-mail:	KEVINHARVEY@CLANCYTHEYS.COM	**Cross Street:**	
Other Phone:		**Site Contact:**	KEVIN HARVEY **Phone:** 407-676-2529
Billing Address:	2250 SHIPYARD BLVD SUITE 1 WILMINGTON, NC 28403	**Site E-mail:**	KEVINHARVEY@CLANCYTHEYS.COM
		Customer Ref #:	

Expected Install Date	Payment Terms	Prevailing Wage	Job Type
Mon. May 18, 2026	N30	No	Construction

Quantity	UOM	Description	Rental Term (up to)	Unit Price	Amount
1400	FT	FT OF BARRICADES	6 Months	5.99	8,386.00
Fence Notes:		200-PIECES 4X7 BARRICADES			

Fence Subtotal: **8,386.00**

Fence Minimum applies: If the total unit price times quantity for the above items does not exceed $750, this minimum will be charged rather than the per unit price.
Note: Damaged, missing, and lease buyout charges are not included in minimum charge.

Subtotal:	$8,386.00	Sales Tax:	$528.16	Grand Total:	$8,914.16

All prices include a one-time Delivery/Installation and a one-time Pick-Up/Removal.

Bids are based on quantity; if quantity changes, bid changes. Additional fees for hillside installations, hand carry, core drilling and inaccessibility. Deliveries and installs are scheduled Mon. - Fri. 7:00 a.m. - 3:00 p.m. Additional charges apply for weekends and after hours work. COD orders are to be paid in advance or upon delivery prior to installation. Orders with driven post(s) require 3-5 business days to complete underground markings. Remove and relocate charges are billed at the same rate as installation price. If services are subject to prevailing wage laws, any penalties or wages not included in this estimate will be paid by the lessee. Certified payroll is available upon request.

Customer's Signature: _____ **Date:** _____

Print Customer Name: _____ **PO #** _____

NOTE: Installation CANNOT be confirmed until quote is signed and returned. This bid expires in 14 days.

Date of Quote	Quote Number	Quote Prepared By	Email Address	Fax Signed Quote to
Thu. Mar 12, 2026	420553	EJIMENEZ	EJIMENEZ@RENTNATIONAL.COM	

NATIONAL CONSTRUCTION RENTALS®

ORLANDO OFFICE
(407) 381-2727

800-352-5675 • rentnational.com

QUOTE FOR SERVICES

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Company:	CLANCY AND THEYS	**Job Name:**	OIA
Requested By:	KEVIN HARVEY **Phone:** 407-676-2529	**Address:**	1 JEFF FUQUA BLVD ORLANDO, FL 32827-4392
E-mail:	KEVINHARVEY@CLANCYTHEYS.COM	**Cross Street:**	
Other Phone:		**Site Contact:**	KEVIN HARVEY **Phone:** 407-676-2529
Billing Address:	2250 SHIPYARD BLVD SUITE 1 WILMINGTON, NC 28403	**Site E-mail:**	KEVINHARVEY@CLANCYTHEYS.COM
		Customer Ref #:	

Expected Install Date	Payment Terms	Prevailing Wage	Job Type
Mon. May 18, 2026	N30	No	Construction

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Customer's Signature: _____ **Date:** _____

Print Customer Name: _____ **PO #** _____

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Date of Quote	Quote Number	Quote Prepared By	Email Address	Fax Signed Quote to
Thu. Mar 12, 2026	420553	EJIMENEZ	EJIMENEZ@RENTNATIONAL.COM	

SHERWIN-WILLIAMS

Orlando International Airport

Product Submittal

V-01109 Terminals A&B Vertical Surfaces & Ceiling Painting

PERCOPO COATINGS COMPANY

Presented By:
Anthony Monteleone
Commercial Sales Representative

+1 (407) 468-9674
Anthony.J.Monteleone@sherwin.com

SHERWIN-WILLIAMS
9603 SATELLITE BLVD
ORLANDO, FL 32837 8475
(407) 816-7021

April 09, 2026

SHERWIN-WILLIAMS.

Product Submittal

Project: V-01109 Terminals A&B Vertical Surfaces & Ceiling Painting
1 Jeff Fuqua Boulevard, Orlando, FL, 32827

Customer: PERCOPO COATINGS COMPANY
421 GOLD MEDAL CT, LONGWOOD, FL, 327503455

Dear Mike,

Thank you for considering Sherwin-Williams products for the V-01109 Terminals A&B Vertical Surfaces & Ceiling Painting project. Included in this package is the Sherwin-Williams submittal for the above referenced project.

Should you require assistance or have any questions or concerns, please contact me at +1 (407) 468-9674 or e-mail me at Anthony.J.Monteleone@sherwin.com.

Anthony Monteleone
Commercial Sales Representative

+1 (407) 468-9674
Anthony.J.Monteleone@sherwin.com

SHERWIN-WILLIAMS
9603 SATELLITE BLVD, ORLANDO, FL 32837 8475

Exterior Finishes

Precast Ceilings & Previously Painted Stucco Walls

2 Coats: K32W00251 - Duration® Coating Exterior Latex Flat

Conduit & Rusted Steel Embeds

Preparation: Standard Machine Prep for Rust/Corrosion

Primer: B66W01310 - Pro Industrial Pro-Cryl® Universal Primer

2 Coats: K32W00251 - Duration® Coating Exterior Latex Flat

Concrete Benches

Preparation: Pressure wash/degrease to remove dirt and contaminants

Primer: B58W00610 - Macropoxy® 646 Fast Cure Epoxy

Finish: B65W01121 - Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss

SHERWIN-WILLIAMS®

Reference Pages

Data Pages

102.06B

Duration®

Exterior Acrylic Flat

K32-Series

CHARACTERISTICS

Duration® Exterior Latex Coating is the result of advances in acrylic technology. **Duration** uses PermaLast® technology to provide you with the most durable and longest lasting coating available for protecting the outside of your home.

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

- Self-priming One Coat Protection
- Low temperature application down to 35° F.
- Easy application
- Excellent durability and hiding
- Resists Blistering and Peeling

Color: Most Colors

Coverage: 250-300 sq. ft. per gallon @ 5.3-6.4 mils wet, 2.2-2.7 mils dry, up to 7.0 mils wet: 3.0 mils dry

Drying Time, @ 50% RH:

	@35-45°F	@45°F+
Touch:	2 Hours	1 Hour
Recoat:	24-48 Hours	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 0-5 units @ 85°

Tinting with CCE only:

Base:	oz. per gallon	Strength
Ultrawhite	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-14	SherColor
Ultradeep Base	10-14	SherColor
Light Yellow	4-14	SherColor

Extra White K32W00251
(may vary by color)

V.O.C.(less exempt solvents):
Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 42 ±2%
Weight Solids: 58 ±2%
Weight per Gallon: 11.45 lbs
Flash Point: N.A.
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened
WVP Perms (US) 20.86 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 03/02/2026, Complies with :

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARBSCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N/A
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	#10

APPLICATION

When the air temperature is at 35°F (1.7°C), substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F (1.7°C) and at least 5° above the dew point. Avoid using if rain or snow is expected within 2-3 hours.
Do not apply at air or surface temperatures below 35°F (1.7°C) or when air or surface temperatures may drop below 35°F (1.7°C) within 48 hours.

No reduction needed.

Brush:
Use a nylon-polyester brush such as Purdy® Pro-Extra.

Roller:
Use a high quality 3/8-3/4 inch nap synthetic roller cover such as Purdy® Marathon®

For additional specific brushes and roller cover recommendations, please refer to our Brush and Roller Guide on the Sherwin-Williams website.

Spray - Airless:

Pressure	2000 p.s.i.
Tip	.015-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Thoroughly follow the recommended surface preparations. Most coating failures are due to inadequate surface preparation or application. Thorough surface preparation will help provide long term protection with **Duration** coating. On repaint work, apply one coat of **Duration** coating: on bare surfaces, apply two coats of **Duration**, allowing 4 hours drying between coats.

Do not paint in direct sun. Apply at temperatures above 35°F. During application at temperatures above 80°F, **Duration** sets up quickly. Some adjustment in your painting approach may be required. Paint from a dry area into the adjoining wet coating area. Dries to touch in 1 hour and is ready for service overnight.

On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

SPECIFICATIONS

Duration Exterior Acrylic Latex is self-priming on most surfaces. Apply 2 coats on new, bare substrates or 1 coat for repaint.

Use on these properly prepared surfaces:
Aluminum & Aluminum Siding[1]

Galvanized Steel[1]

Concrete Block

Split face Block

Cement Composition Siding/Panels

Stucco

Concrete

Plywood

Wood

***Vinyl Siding**

Surfaces with a pH greater than 9 must be primed with a high pH-resistant coating such as Loxon Concrete & Masonry Primer.

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application limitations.

Concrete masonry units (CMU) - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, the first coat of **DURATION** may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using **DURATION.**

[1] On large expanses of metal siding, the air, surface, and material temperatures must be 50°F (10°C) or higher.

continued on back

Duration®
Exterior Acrylic Flat

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:
Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.
Cement Composition Siding/Panels:
Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer. After power washing, previously painted masonry may still have a powdery surface that should be sealed with Loxon Conditioner and then apply 1 coat of **Duration**.
Caulking:
Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface. Allow proper drying tine before application of the finish.
Concrete, Masonry, Cement, Block:
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.
Concrete masonry units (CMU):
Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.
Composition Board/Hardboard:
Because of the potential for wax bleeding out of the substrate, apply 1 coat of Exterior Oil-Based Wood Primer and then topcoat.
Stucco:
Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:
Clean mildew from the Surface: Mildew is a fungus that looks like dirt but won't wash off. Mildew must be removed before painting, or it will grow through any new coat of paint. To remove mildew or suspected mildew, scrub surface before painting with a commercial mildew remover following manufacturer's safety instructions.

Previously Painted Surfaces:
Spot prime bare areas with **Duration**, wait 4 hours, and paint the entire surface. Some specific surfaces require specialized treatment.

Steel:
Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed with a corrosion resistant primer such as All Surface Enamel Primer the same day as cleaned.

Unpainted Surfaces:
Duration can be used as a self-priming coating on many bare surfaces. When used this way, the first coat of **Duration** acts like a coat of primer and the second coat provides the final appearance and performance.

***Vinyl or other PVC Building Products:**
Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly. If needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed.
Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, the first coat of **Duration** may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using **Duration.**

CAUTIONS

For exterior use only.
Protect from freezing.
Non-Photochemically reactive.
Not for use on floors

Before using, carefully read **CAUTIONS on label**.

CRYSTALLINE SILICA, ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE**. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 03/02/2026 K32W00251 39 46
SP, FR

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS

Pro Industrial™ Pro-Cryl®

Universal Primer

B66-1300 Series

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self-cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high-performance topcoats.

Features:

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 35°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, Wood

Finish: Low Sheen

Color: Off White, Medium Grey, and Red Oxide

Recommended Spreading Rate per coat:

Wet mils:	5.0-10.0
Dry mils:	1.9-3.8
Coverage:	160-320 sq. ft. per gallon
Theoretical Coverage:	609 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:
Drying and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

Tinting: **DO NOT TINT**

Extra White B66W01310
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	38 ±2%
Weight Solids:	50 ±2%
Weight per Gallon:	10.09 lbs
Flash Point:	N/A
Shelf Life:	36 months, unopened

COMPLIANCE

As of 2/05/2026, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	#107, 107 X-Green™, 134

APPLICATION

Temperature:

minimum	35°F / 1.6°C
maximum	120°F / 48.8°C
	air, surface and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water
Airless Spray:	
Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015-.019 inch
Filter	60 mesh
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	60 p.s.i.
Fluid Pressure	25 p.s.i.
Reduction:	As needed up to 5% by volume
Brush:	Nylon-polyester, such as Purdy® XL®
Roller Cover:	3/8 inch woven, such as Contractor Series® Soft Woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

No painting should be done immediately after a rain or during foggy weather.

For optimal performance, this primer should be topcoated.

For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

SPECIFICATIONS

Acceptable Water Based topcoats:
1-2 coats Pro Industrial Acrylic Coating or
Pro Industrial Acrylic Dryfall
Pro Industrial DTM Acrylic
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy
Pro Industrial Pre-Catalyzed Urethane
Pro Industrial Water Based Acrolon 100
Pro Industrial Water Based Alkyd Urethane
Pro Industrial Water Based Catalyzed Epoxy
Sherwin-Williams Architectural Coatings

Acceptable Solvent Based topcoats:
Pro Industrial High Performance Epoxy
Pro Industrial Industrial Enamels
Tile Clad HS Epoxy

The finishes listed above are representative of the product's use. Other finishes may be appropriate.

continued on back

Pro Industrial™ Pro-Cryl®
Universal Primer

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned. Self priming.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Mildew-
Clean mildew from the Surface: Mildew is a fungus that looks like dirt but won't wash off. Mildew must be removed before painting, or it will grow through any new coat of paint. To remove mildew or suspected mildew, scrub surface before painting with a commercial mildew remover following manufacturer's safety instructions.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 1 coat Pro Industrial Pro-Cryl Off White
1 coat Pro Industrial Acrylic Coating

Adhesion:
Method: ASTM D4541
Result: 500 p.s.i.

Corrosion Weathering:
Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 140 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 180° bend, ½ inch mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: B

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Provides performance comparable to products formulated In Lieu of federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS

Protective & Marine Coatings
PRODUCT DATA SHEET

MACROPOXY® 646
FAST CURE EPOXY MASTIC

Revised: June 11, 2025

PRODUCT DESCRIPTION

MACROPOXY 646 Fast Cure Epoxy Mastic is a high solids, high build, fast drying, polyamide epoxy designed to protect steel and concrete in industrial exposures. Ideal for maintenance painting and fabrication shop applications. The high solids content ensures adequate protection of sharp edges, corners, and welds. This product can be applied directly to marginally prepared steel surfaces.

INTENDED USES

- Recommended for marine applications, refineries, offshore platforms, fabrication shops, chemical plants, tank exteriors, power plants, water treatment plants, and mining and minerals industry
- Factory ground formulas are available for subsea/immersion service. For a full list of shades please consult Sherwin-Williams

PRODUCT DATA

Finish: Semi-Gloss

Colors: Mill White, Black and a wide range of colors available through tinting

Volume Solids: 72% ± 2%, mixed, Mill White

VOC (mixed): <250 g/L; 2.08 lb/gal

Mix Ratio: 1:1 by volume

Typical Thickness:

Recommended Spreading Rate per coat:

	Minimum		Maximum	
Wet mils (microns)	**7.0**	(175)	**13.5**	(338)
Dry mils (microns)	**5.0***	(125)	**10.0**	(250)
~Coverage sq ft/gal (m^2/L)	**115**	(2.9)	**230**	(5.8)
Theoretical coverage **sq ft/gal** (m^2/L) @ 1 mil / 25 microns dft	**1152**	(28.2)		

*May be applied at 3.0-10.0 mils (75-250 microns) dft as an intermediate in a multicoat system.

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Shelf Life: 36 months, unopened
Store indoors at 40°F (4.5°C) to 110°F (43°C).

Flash Point: 91°F (33°C), TCC, mixed

Reducer/Clean Up[1]: VOC Restricted Areas (<250 g/L): use Reducer #111 or Oxsol 100

Weight: 12.9 ± 0.2 lb/gal ; 1.55 Kg/L, mixed, may vary by color

[1]Other areas (<340 g/L): use Reducer #111, Oxsol 100, Reducer #15, Reducer #58, or MEK up to 10%. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

Average Drying Times @ 7.0 mils (175 microns) wet:

	35°F (1.7°C) *50% RH*	77°F (25°C) *50% RH*	100°F (38°C) *50% RH*
Touch:	4-5 hours	2 hours	1.5 hours
Handle:	48 hours	8 hours	4.5 hours
Recoat:			
minimum:	48 hours	8 hours	4.5 hours
maximum:	1 year	1 year	1 year
Cure to service:			
atmospheric:	10 days	7 days	4 days
immersion:	14 days	7 days	4 days

Average Drying Times as intermediate @ 5.0 mils (125 microns) wet:

Touch:	3 hours	1 hour	1 hour
Handle:	48 hours	4 hours	2 hours
Recoat:			
minimum:	16 hours	4 hours	2 hours
maximum:	1 year	1 year	1 year

If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.
Paint temperature must be 40°F (4.5°C) minimum.

Pot Life:	10 hours	4 hours	2 hours
Sweat-in-time:	30 minutes	30 minutes	15 minutes

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Iron & Steel:	Atmospheric: SSPC-SP2/3/ ISO8501-1:2007 St 2 or SSPC-SP WJ-3 / NACE WJ-3L Immersion: SSPC-SP10 / NACE 2/ ISO8501-1:2007 Sa 2.5, 2-3 mil (50-75 micron) profile or SSPC-SP WJ-2/NACE WJ-2L
Stainless Steel:	Atmospheric: SSPC-SP16, 1 mil (25 micron) profile
Aluminum & Galvanizing:	SSPC-SP1. If surface has not be weathered for more than 6 months, follow SSPC-SP1 then SSPC-SP16. For fire proofing projects, consult a Sherwin-Williams representative for surface preparation requirements.
Concrete & Masonry:	Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R CSP 1-3 Immersion: SSPC-SP13/NACE 6-4.3.1
Ductile Iron Pipe:	Atmospheric: NAPF 500-03-03 Power Tool Cleaning Buried & Immersion: NAPF 500-03-04 Abrasive Blast Cleaning Cast Ductile Iron Fittings: NAPF 500-03-05 Abrasive Blast Cleaning

Protective & Marine Coatings
PRODUCT DATA SHEET

MACROPOXY® 646
FAST CURE EPOXY MASTIC

APPLICATION

Airless Spray*
Pump 30:1
Pressure ..... 2800-3000 psi (193-206 bar)
Hose ..... 1/4" ID (6.3 mm)
Tip ..... .017"-.023" (0.43-0.58 mm)
Filter ..... 60 mesh
Reduction ..... As needed up to 10% by volume

Conventional Spray*
Gun ..... DeVilbiss MBC-510
Fluid Tip ..... E
Air Nozzle 704
Atomization Pressure ..... 60-65 psi (4.1-4.5 bar)
Fluid Pressure ..... 10-20 psi (0.7-1.4 bar)

Brush*
Brush ..... Nylon/Polyester or Natural Bristle

Roller*
Cover ..... 3/8" woven with solvent resistant core

Plural Component Spray .... Acceptable

*Reduction[1] ..... VOC Restricted Areas (<250 g/L): use Reducer #111 or Oxsol 100

[1]Other areas (<340 g/L): use Reducer #111, Oxsol 100, or Reducer #15 up to 10%. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

If specific application equipment is not listed above, equivalent equipment may be substituted.

RECOMMENDED SYSTEMS

Dry Film Thickness / ct.		Mils	(Microns)
Steel & Ductile Iron, Immersion & Atmospheric			
2 Cts.	Macropoxy 646	5.0-10.0	(125-250)
Steel, Organic Zinc Primer, Atmospheric			
1 Ct.	Zinc Clad IV (85)	3.0-5.0	(75-125)
1 Ct.	Macropoxy 646	5.0-10.0	(125-250)
Steel, Inorganic Zinc Primer, Atmospheric			
1 Ct.	Zinc Clad II (85)	2.0-4.0	(50-100)
1 Ct.	Macropoxy 646	5.0-10.0	(125-250)
Steel, Organic Zinc/Epoxy/Urethane Topcoat			
1 Ct.	Zinc Clad IV (85)	3.0-5.0	(75-125)
1 Ct.	Macropoxy 646	3.0-10.0	(75-250)
1 Ct.	Acrolon 7300	2.0-4.0	(50-100)
Steel, Inorganic Zinc/Epoxy/Urethane Topcoat			
1 Ct.	Zinc Clad II (85)	2.0-4.0	(50-100)
1 Ct.	Macropoxy 646	3.0-10.0	(75-250)
1 Ct.	Acrolon 7300	2.0-4.0	(50-100)
Steel, Organic Zinc/Epoxy/Polysiloxane Topcoat, Atmospheric			
1 Ct.	Zinc Clad IV (85)	3.0-5.0	(75-125)
1 Ct.	Macropoxy 646	3.0-10.0	(75-250)
1-2 Cts.	Sher-Loxane 800	4.0-6.0	(100-150)
Steel: Norsok M501 System 7B/Subsea			
2 Cts.	Macropoxy 646	7.0	(175)
Concrete/Masonry, Smooth, Immersion & Atmospheric			
2 Cts.	Macropoxy 646	5.0-10.0	(125-250)

The systems listed above are representative of the product's use, other systems may be appropriate.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

APPLICATION CONDITIONS

Temperature:
Air: 35°F (1.7°C) minimum, 120°F (49°C) maximum
Surface*: 35°F (1.7°C) minimum, 250°F (120°C) maximum
Material: 40°F (4.5°C) minimum
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

*Application to surfaces above 120°F (49°C) is not recommended in VOC Restricted Areas (≤250 g/L). When spraying a surface above 120°F (49°C) in other areas (>250 g/L), please consult with your Sherwin-Williams representative.

APPROVALS

- Suitable for use in USDA inspected facilities
- Acceptable for use in Canadian Food Processing facilities, categories: D1, D2, D3 (Confirm acceptance of specific part numbers/rexes with your SW Sales Representative)
- Conforms to AWWA D102 OCS #5
- Conforms to MPI # 108
- This product meets specific design requirements for non-safety related nuclear plant applications in Level II, III and Balance of Plant, and DOE nuclear facilities
- Meets Class A requirements for Slip Coefficient, 0.36 @ 6 mils / 150 microns dft (Mill White only)
- Approved intermediate for NEPCOAT System B
- Approved to Norsok M501 system 7B (limited colors)
- ISO 12944:2018 approved for C2 to CX
- NSF Certified Environmental Product Declaration (EPD) available on Ecomedes

ADDITIONAL NOTES

Tint Part A with GIC colorants at 150% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Tinting is not recommended for immersion service.

Can be used as a metalizing sealer. Consult your Sherwin-Williams Representative regarding Product Bullentin: "Sealers for Thermal Spray Metalizing".

Quick-Kick Epoxy Accelerator is acceptable for use. See data page for details.

Acceptable for concrete floors.

Application to surfaces above 120°F (49°C) is not recommended in VOC Restricted Areas (≤250 g/L). When spraying a surface above 120°F (49°C) in other areas (>250 g/L), please consult with your Sherwin-Williams representative. Spray apply only. Product will produce an orange peel appearance when applied at elevated temperatures.

Topcoating: It is recommended to apply a thinned-down, low wet film thickness mist coat over zinc rich primers to help avoid outgassing. Allow it to tack up and seal the surface. Then apply a full wet film thickness coat as directed.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine one part by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated prior to application. Re-stir before using.

HEALTH AND SAFETY

Refer to the SDS sheet before use.
Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.

Pro Industrial™

Pre-Catalyzed Waterbased Urethane

B65–1100 Series

CHARACTERISTICS

Pro Industrial Pre-Cat Waterbased Urethane is a single component, high performance, interior or exterior water based acrylic polyurethane. It provides toughness, flexibility, abrasion resistance, and excellent UV resistance. Exterior performance comparable to two component water based urethanes.

Features:

- Excellent UV resistance
- Excellent gloss and color retention
- Easy application and cleanup
- Abrasion resistant
- Suitable for use in USDA inspected facilities

For use on properly prepared: Steel, Galvanized & Aluminum Concrete and Masonry, Drywall

Finish: 70° + units @ 60° Gloss

Colors: Most Colors

Recommended Spreading Rate per coat:

Wet mils:	6.0-12.0
Dry mils:	2.2-4.4
Coverage:	134-267 sq. ft. per gallon
Theoretical Coverage:	593 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Apply paint at the recommended film thickness and spreading rate. Application of coating below minimum recommended spreading rate will adversely affect coating performance.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH: Drying and recoat times are temperature, humidity, and film thickness dependent.

		@77°F
To Touch:		1 Hour
To Recoat:	min	8 Hours
To Recoat:	max	30 Days
To Cure:		3 Days

Tinting with CCE Only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Deep Base	8-12	SherColor
Ultradeep Base	8-12	SherColor

Extra White B65W01121
(may vary by color)

V.O.C. (less exempt solvents): As Mixed
77 grams per litre; 0.65 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	37 ±2%
Weight Solids:	47 ±2%
Weight per Gallon:	9.76 lbs
Flash Point:	N/A
Vehicle Type:	Acrylic Polyurethane
Shelf Life:	36 months, bases

COMPLIANCE

As of 12/23/2024, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions (CDPH V1.2 B65W01121)	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	Yes
MPI®	Yes, #154

APPLICATION

Temperature:

minimum	50°F / 10°C
maximum	120°F / 44.4°C
	air, surface and material
	At least 5°F / -15°C above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure	1500-1800 p.s.i.
Hose	1/4 inch I.D.
Tip	.015-.019 inch
Filter	60 mesh
Reduction:	As needed up to 5% by volume

Brush: Nylon-polyester such as Purdy® Clearcut® Elite™
Roller Cover: 3/8 inch woven such as Purdy Marathon®

If specific application equipment is listed above, equivalent equipment may be substituted. Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

When using spray equipment, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Apply coating evenly while maintaining a wet edge to prevent lapping.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

No painting should be done immediately after a rain or during foggy weather.

Check adhesion by applying a test strip to determine the readiness for painting.

SPECIFICATIONS

Steel:
1 coat Pro Industrial Pro-Cryl Primer
Or Pro Industrial Kem Bond HS Primer
2 coats Pro Industrial Pre-Cat Urethane

Aluminum & Galvanizing:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Pre-Cat Urethane

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Block Filler
Or Loxon Acrylic Block Surfacer
2 coats Pro Industrial Pre-Cat Urethane

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Pre-Cat Urethane

Wood – Exterior:
1 coat Exterior Wood Primer
2 coats Pro Industrial Pre-Cat Urethane

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

continued on back

Pro Industrial™

Pre-Catalyzed Waterbased Urethane

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel – Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, Commercial Blast Cleaning per SSPC-SP6. Primer recommended best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide, and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Extra White B65W01121

System Tested: (unless otherwise indicated)

Substrate: **Steel**

Surface Preparation: **SSPC-SP10**

Finish: 1 coat Pro Industrial Pro-Cryl Primer @ 2.3 mils D.F.T.
2 coats Pro Industrial Pre-Cat Urethane @ 2.2 mils D.F.T. per coat

Abrasion Resistance:
Method: ASTM D4060, CS17 wheel, 1000 cycles, 500 g load
Result: 15.3 mg loss

Adhesion:
Method: ASTM D4541
Result: 1457 p.s.i.

Scrub Resistance:
Method: based on: ASTM D2486
Result: 4000 cycles, no shim

Dry Heat Resistance:
Method: ASTM D2485
Result: 250°F

Flexibility:
Method: ASTM D522, 1/8 inch mandrel
Result: Pass

Accelerated Weathering QUV:
Method: ASTM D4587, QUV-A, 3,000 hours
Result: Pass

Pencil Hardness:
Method: ASTM D3363
Result: HB

Chemical Resistance Rating:
(1 hour direct exposure to dry film)

10% Acetic Acid	Excellent
10% Sulfuric Acid	Excellent
Ethanol	Excellent
10% Sodium Hydroxide & MEK	Slight color change
Motor Oil 10W30	Excellent
Water	Excellent

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 176 inch lb.

WVP Perms (US):
Method: ASTM D1653, grains/(hr ft2 in Hg)
Result: 26.00 perms

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

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CLEANUP INFORMATION

Clean spills, spatters, hands, and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 12/23/2024 B65W01121 13 77
FRC, SP

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Environmental Data Sheets

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jan 8, 2026

39 00 [3205]

PRODUCT NUMBER

K32W251

PRODUCT NAME

DURATION® Exterior Acrylic Latex Flat, Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED and rely on information provided to us by our raw material suppliers. Our suppliers often provide an estimated value or range less than a certain upper limit. We calculate MAXIMUM THEORETICAL VALUES using defined values, if provided, or the upper limit reported by our supplier. Additionally, the suppliers' information may include amounts present in the product as unintentional byproducts or impurities. Variations may occur in individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

K32W251 = | Acute | Chronic |

Product Weight	Specific Gravity	FLASH POINT
11.45 lb/gal	1.38	N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Water **7732-18-5**	N	N	N	40	56

Regulated Compounds

	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Zinc (as Zn)	N	Y	N	3	

Volatile Organic Compounds - U.S. EPA / Canada

	K32W251	
	LB/Gal	**g/L**
Coating Density	11.45	1371
	By wt	**By vol**
Total Volatiles	42.0%	58.5%
Federally exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.03**

Volatile Organic Compounds - California

	K32W251	
	LB/Gal	**g/L**
Coating Density	11.45	1371
	By wt	**By vol**
Total Volatiles	42.0%	58.5%
Exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.03**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	K32W251	
	LB/Gal	**g/L**
Coating Density	11.45	1371
	By wt	**By vol**
Total Volatiles	42.0%	58.5%
Exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	K32W251	
	By wt	**By vol**
Total Volatiles	41.4%	57.6%
VOC Content	**LB/Gal**	**g/L**
Total	0.10	12

Volatile Organic Compounds - EU Directive 2010/75/EU

	K32W251	
	By wt	**By vol**
Total Volatiles	41.4%	57.6%
VOC Content	**LB/Gal**	**g/L**
Total	0.10	11

Volatile Organic Compounds - Mexico

	K32W251	
	LB/Gal	**g/L**
Coating Density	11.45	1371
	By wt	**By vol**
Total Volatiles	42.0%	58.5%
Exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	K32W251	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

8.31 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

The addition of any material to this product can change the composition, hazards and risks of the product and may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Feb 7, 2026

13 00 [0386]

PRODUCT NUMBER

B66W1310

PRODUCT NAME

PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer, Off White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B66W1310 = | Acute | Chronic |

Product Weight	Specific Gravity	FLASH POINT
10.09 lb/gal	1.21	N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Water **7732-18-5**	N	N	N	49	59

Volatile Organic Compounds - U.S. EPA / Canada

	B66W1310	
	LB/Gal	**g/L**
Coating Density	10.09	1209
	By wt	**By vol**
Total Volatiles	50.4%	61.5%
Federally exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.3%	1.8%
Percent Non-Volatile	49.6%	38.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.13	15
Less exempt solvents	0.32	39
Of solids	0.34	41
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.4%	61.5%
Exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.6%	38.5%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.34	41
Of solids	0.36	44
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.4%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.4%	61.5%
Exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.6%	38.5%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.34	41
Of solids	0.36	44
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B66W1310	
	By wt	By vol
Total Volatiles	50.4%	61.4%
VOC Content	LB/Gal	g/L
Total	0.13	16

Volatile Organic Compounds - EU Directive 2010/75/EU

	B66W1310	
	By wt	By vol
Total Volatiles	49.4%	60.2%
VOC Content	LB/Gal	g/L
Total	0.03	4

Volatile Organic Compounds - Mexico

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.4%	61.5%
Exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.6%	38.5%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.34	41
Of solids	0.36	44
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B66W1310	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.22 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Apr 19, 2024

31 00 [2843]

PRODUCT NUMBER

B58W610

PRODUCT NAME

MACROPOXY® 646 Fast Cure Epoxy (Part A), Mill White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B58W610 = | Acute | Chronic | Fire |

Product Weight	Specific Gravity	FLASH POINT
12.19 lb/gal	1.47	85 °F PMCC

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Ethylbenzene **100-41-4**	N	Y	Y	Y	3	4
Xylene **1330-20-7**	N	Y	Y	Y	15	25

Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Mercury (as Hg)	N	N	Y	N	0.000005	
Lead (as Pb)	N	N	Y	N	0.0001	

Volatile Organic Compounds - U.S. EPA / Canada

	B58W610	
	LB/Gal	**g/L**
Coating Density	12.19	1460
	By wt	**By vol**
Total Volatiles	17.4%	29.7%
Federally exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	**LB/Gal**	**g/L**
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg
	By wt	
By wt LVP-VOC	17.4%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **1.19**

Volatile Organic Compounds - California

	B58W610	
	LB/Gal	**g/L**
Coating Density	12.19	1460
	By wt	**By vol**
Total Volatiles	17.4%	29.7%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	**LB/Gal**	**g/L**
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg
	By wt	
By wt LVP-VOC	17.4%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **1.20**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B58W610	
	LB/Gal	g/L
Coating Density	12.19	1460
	By wt	By vol
Total Volatiles	17.4%	29.7%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	LB/Gal	g/L
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B58W610	
	By wt	By vol
Total Volatiles	17.4%	29.7%
VOC Content	LB/Gal	g/L
Total	2.11	253

Volatile Organic Compounds - EU Directive 2010/75/EU

	B58W610	
	By wt	By vol
Total Volatiles	17.4%	29.7%
VOC Content	LB/Gal	g/L
Total	2.11	253

Volatile Organic Compounds - Mexico

	B58W610	
	LB/Gal	g/L
Coating Density	12.19	1460
	By wt	By vol
Total Volatiles	17.4%	29.7%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	LB/Gal	g/L
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B58W610	
	LB/Gal	kg/L
Volatile HAPS	2.11	0.253
Of solids	3.00	0.360
Of solids	0.20 lb/lb	0.20 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.12 lb/gal

Photochemically Reactive

Yes

Waste Disposal

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

The addition of any material to this product can change the composition, hazards and risks of the product and may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Nov 16, 2025

18 00 [3205]

PRODUCT NUMBER

B65W1121

PRODUCT NAME

PRO INDUSTRIAL™ Pre-Catalyzed Waterbased Urethane, Gloss Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B65W1121 = | Acute | Chronic |

Product Weight	Specific Gravity	FLASH POINT
9.76 lb/gal	1.17	N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Trimethylpentanediol Isobutyrate **25265-77-4**	N	N	N	2	3
Water **7732-18-5**	N	N	N	50	59

Volatile Organic Compounds - U.S. EPA / Canada

	B65W1121	
	LB/Gal	**g/L**
Coating Density	9.76	1169
	By wt	**By vol**
Total Volatiles	53.1%	62.9%
Federally exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	**LB/Gal**	**g/L**
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg
	By wt	
By wt LVP-VOC	0.2%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.05**

Volatile Organic Compounds - California

	B65W1121	
	LB/Gal	g/L
Coating Density	9.76	1169
	By wt	By vol
Total Volatiles	53.1%	62.9%
Exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	LB/Gal	g/L
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg
	By wt	
By wt LVP-VOC	0.2%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.03**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B65W1121	
	LB/Gal	g/L
Coating Density	9.76	1169
	By wt	By vol
Total Volatiles	53.1%	62.9%
Exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	LB/Gal	g/L
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B65W1121	
	By wt	By vol
Total Volatiles	50.9%	60.1%
VOC Content	LB/Gal	g/L
Total	0.04	5

Volatile Organic Compounds - EU Directive 2010/75/EU

	B65W1121	
	By wt	By vol
Total Volatiles	50.9%	60.1%
VOC Content	LB/Gal	g/L
Total	0.04	5

Volatile Organic Compounds - Mexico

	B65W1121	
	LB/Gal	g/L
Coating Density	9.76	1169
	By wt	By vol
Total Volatiles	53.1%	62.9%
Exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	LB/Gal	g/L
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B65W1121	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.83 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

The addition of any material to this product can change the composition, hazards and risks of the product and may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Safety Data Sheets

SAFETY DATA SHEET

According to 29 CFR 1910.1200

K32W251

Section 1. Identification

Product name : DURATION® Exterior Acrylic Latex Flat
Extra White

Product code : K32W251

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
TOXIC TO REPRODUCTION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 1.2% (oral), 1.2% (dermal), 1.2% (inhalation)

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : May cause an allergic skin reaction.
May cause cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure. (respiratory tract)

Precautionary statements

General : Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Section 2. Hazards identification

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥10 - ≤25	13463-67-7
Zinc Oxide	≤5	1314-13-2
Cristobalite, respirable powder	≤3	14464-46-1
Heavy Paraffinic Oil	≤0.3	64742-65-0
Attapulgite Clay	≤0.3	12174-11-7
Bis(pentamethyl-4-piperidyl)sebacate	≤0.3	41556-26-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Section 4. First aid measures

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	**ACGIH TLV (United States, 1/2024)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Zinc Oxide	1314-13-2	**ACGIH TLV (United States, 1/2024)** TWA 8 hours: 2 mg/m³. Form: Respirable fraction. STEL 15 minutes: 10 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 5 mg/m³. Form: Dust and fumes. STEL 15 minutes: 10 mg/m³. Form: Fume. CEIL: 15 mg/m³. Form: Dust. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust. TWA 8 hours: 5 mg/m³. Form: Respirable fraction. TWA 8 hours: 5 mg/m³. Form: Fume.
Cristobalite, respirable powder	14464-46-1	**ACGIH TLV (United States, 1/2024) [Silica, crystalline]** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction.

Section 8. Exposure controls/personal protection

		NIOSH REL (United States, 10/2020) [SILICA, CRYSTALLINE] NIA. TWA 10 hours: 0.05 mg/m³. Form: respirable dust. **OSHA PEL (United States, 5/2018) [Silica, crystalline]** TWA 8 hours: 50 µg/m³. Form: Respirable dust. **OSHA PEL Z3 (United States, 6/2016)** TWA 8 hours: 250 / 2 x (%SiO_2+5) mppcf. Form: Respirable. TWA 8 hours: 10 / 2 x (%SiO_2+2) mg/m³. Form: Respirable. TWA 8 hours: 30 / 2 x (%SiO_2+2) mg/m³. Form: Total dust.
Heavy Paraffinic Oil	64742-65-0	**ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. **NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]** TWA 10 hours: 5 mg/m³. Form: Mist. STEL 15 minutes: 10 mg/m³. Form: Mist. **OSHA PEL (United States, 5/2018) [Oil mist, mineral]** TWA 8 hours: 5 mg/m³.
Attapulgite Clay	12174-11-7	None.
Bis(pentamethyl-4-piperidyl)sebacate	41556-26-7	None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Zinc Oxide	1314-13-2	**CA Saskatchewan Provincial (Canada, 4/2021)** STEL 15 minutes: 10 mg/m³. Form: respirable dust and fume. TWA 8 hours: 2 mg/m³. Form: respirable dust and fume. **CA British Columbia Provincial (Canada, 9/2024)** TWA 8 hours: 2 mg/m³. Form: Respirable. STEL 15 minutes: 10 mg/m³. Form: Respirable. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 2 mg/m³. Form: Respirable particulate matter.. STEL 15 minutes: 10 mg/m³. Form: Respirable particulate matter.. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 2 mg/m³. Form: respirable aerosol fraction. STEV 15 minutes: 10 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 2 mg/m³. Form: Respirable. OEL 15 minutes: 10 mg/m³. Form: Respirable.

Section 8. Exposure controls/personal protection

Cristobalite	14464-46-1	**CA Saskatchewan Provincial (Canada, 4/2021)** TWA 8 hours: 0.05 mg/m³. Form: respirable fraction. **CA British Columbia Provincial (Canada, 9/2024) [silica, crystalline - alpha quartz and cristobalite]** Carc 2A, Carc 1. TWA 8 hours: 0.025 mg/m³. Form: Respirable. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 0.05 mg/m³. Form: Respirable particulate matter.. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 0.05 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** A2. OEL 8 hours: 0.025 mg/m³. Form: Respirable particulate.
Fibres-Natural Mineral Fibres, Attapulgite	12174-11-7	**CA Quebec Provincial (Canada, 2/2024) [Attapulgite]** C1. TWAEV 8 hours: 1 fibers/cm³. Form: RESPIRABLE FIBRES (other than respirable asbestos fibres) : Objects, other than respirable asbestos fibres, longer than 5 µm, having a diameter of less than 3 µm and a ratio of length to diameter of more than 3 : 1..

Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
Zinc Oxide	1314-13-2	**NOM-010-STPS-2014 (Mexico, 4/2016)** TWA 8 hours: 2 mg/m³. Form: Respirable fraction. STEL 15 minutes: 10 mg/m³. Form: Respirable fraction.
Cristobalite, respirable powder	14464-46-1	**NOM-010-STPS-2014 (Mexico, 4/2016)** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction.

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 8. Exposure controls/personal protection

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : 9.5

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.37

Section 9. Physical and chemical properties

Density : 1.37 g/cm³

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 1.184 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Heavy Paraffinic Oil	**Rabbit - Dermal - LD50** >5000 mg/kg **Rat - Oral - LD50** >5000 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result

Section 11. Toxicological information

Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I
Zinc Oxide	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
Zinc Oxide	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Cristobalite, respirable powder	+	1	Known to be a human carcinogen.
Attapulgite Clay	-	2B	-

Section 11. Toxicological information

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Cristobalite, respirable powder	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

Aspiration hazard

Product/ingredient name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Zinc Oxide	**Acute - LC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: <24 hours 98 µg/l [48 hours] Effect: Mortality **Acute - LC50 - Fresh water** US EPA Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* Weight: 0.78 g 1.1 ppm [96 hours] Effect: Mortality **Acute - IC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* - Exponential growth phase 46 µg/l [72 hours] Effect: Population

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Zinc Oxide	-	28960	High

Mobility in soil

Soil/Water partition coefficient : Not available.

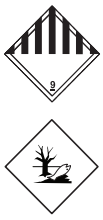
Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	UN3082	UN3082
UN proper shipping name	-	-	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide, Diuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide, Diuron). Marine pollutant (Zinc Oxide)
Transport hazard class(es)	-	-	-	9 	9
Packing group	-	-	-	III	III
Environmental hazards	No.	No.	No.	Yes.	Yes.

Section 14. Transport information

Additional information	-	-	-	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Emergency schedules** F-A, S-F

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

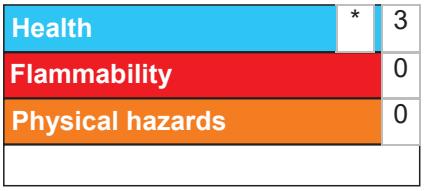
International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.

Section 15. Regulatory information

Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

History

Date of printing : 1/8/2026

Date of issue/Date of revision : 1/8/2026

Date of previous issue : 11/16/2025

Version : 34.01

Key to abbreviations :
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is

Section 16. Other information

responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

According to 29 CFR 1910.1200

B66W1310

Section 1. Identification

Product name : PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer
Off White

Product code : B66W1310

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause cancer.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Section 2. Hazards identification

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.

This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	Identifiers
Calcium Carbonate	≥10 - <20	1317-65-3
Titanium Dioxide	≤10	13463-67-7
Polypropylene glycol alkyl phenyl ether	≤1	9064-13-5
Light Aliphatic Hydrocarbon	≤0.3	64742-47-8
Cristobalite, respirable powder	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Section 4. First aid measures

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS Z	Exposure limits
Calcium Carbonate	1317-65-3	**NIOSH REL (United States, 10/2020) \calcium carbonate[** TWA 10 hours: 10 mg/m³. Form: Total. TWA 10 hours: 5 mg/m³. Form: Respirable fraction. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust. TWA 8 hours: 5 mg/m³. Form: Respirable fraction.
Titanium Dioxide	13463-67-7	**ACGIH TL] (United States, 1/2025)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Polypropylene glycol alkyl phenyl ether	9064-13-5	None.
Light Aliphatic Hydrocarbon	64742-47-8	**ACGIH TL] (United States, 1/2025) \# erosene[** A3. Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapor).
Cristobalite, respirable powder	14464-46-1	**ACGIH TL] (United States, 1/2025) \Silica, crystalline[** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020) \SILICA, CRYSTALLINE[** NIA. TWA 10 hours: 0.05 mg/m³. Form:

Section 8. Exposure controls/personal protection

		respirable dust. **OSHA PEL (United States, 5/2018) \Silica, crystalline[** TWA 8 hours: 50 µg/m³. Form: Respirable dust. **OSHA PEL B3 (United States, 6/2016)** TWA 8 hours: 250 / 2 x (%SiO_2+5) mppcf. Form: Respirable. TWA 8 hours: 10 / 2 x (%SiO_2+2) mg/m³. Form: Respirable. TWA 8 hours: 30 / 2 x (%SiO_2+2) mg/m³. Form: Total dust.

Occupational exposure limits (Canada)

Ingredient name	CAS Z	Exposure limits
Petroleum refining, hydrotreated light distillate	64742-47-8	**CA Qritish Columbia Provincial (Canada, 6/2025) \kerosene/Jet fuels[** Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapour). Notes: Application restricted to conditions in which there are negligible aerosol exposures. **CA Ontario Provincial (Canada, 6/2019)** Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapour). **CA Kuebec Provincial (Canada, 2/2024) \kerosene[** C3. Absorbed through skin. TWAEV 8 hours: 200 mg/m³. **CA Alberta Provincial (Canada, 3/2023) \#erosene/j et fuels[** Absorbed through skin. OEL 8 hours: 200 mg/m³ (as total hydrocarbon vapour).
Cristobalite	14464-46-1	**CA Saskatchewan Provincial (Canada, 4/2021)** TWA 8 hours: 0.05 mg/m³. Form: respirable fraction. **CA Qritish Columbia Provincial (Canada, 6/2025) \silica, crystalline - alpha quartz and cristobalite[** Carc 2A, Carc 1. TWA 8 hours: 0.025 mg/m³. Form: respirable. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 0.05 mg/m³. Form: respirable particulate matter. **CA Kuebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 0.05 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** A2. OEL 8 hours: 0.025 mg/m³. Form: respirable particulate.

Occupational exposure limits (Mexico)

None.

Section 8. Exposure controls/personal protection

Qiological exposure indices (United States)

No exposure indices known.

Qiological exposure indices (Canada)

No exposure indices known.

Qiological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : **This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Qody protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : 9.1

Melting point/freezing point : Not available.

Qoiling point or initial boiling point and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

] apor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.21

Density : 1.2 g/cm³

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

] iscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 1.216 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Section 10. Stability and reactivity

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Conclusion/Summary \Product[: Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I

Conclusion/Summary \Product[: Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary \Product[: Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary \Product[: Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary \Product[: Not available.

Respiratory

Conclusion/Summary \Product[: Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary \Product[: Not available.

Carcinogenicity

Not available.

Section 11. Toxicological information

Conclusion/Summary \Product[: Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide Cristobalite, respirable powder	- +	2B 1	- Known to be a human carcinogen.

Reproductive toxicity

Not available.

Conclusion/Summary \Product[: Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
Calcium Carbonate	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Cristobalite, respirable powder	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

Aspiration hazard

Product/ingredient name	Result
Light Aliphatic Hydrocarbon	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary \Product[: Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Light Aliphatic Hydrocarbon	**Acute - LC50 - Fresh water** Fish - Bluegill - *Lepomis macrochirus* Size: 35 to 75 mm 2200 µg/l [4 days] Effect: Mortality

Conclusion/Summary \Product[: Not available.

Persistence and degradability

Not available.

Conclusion/Summary \Product[: Not available.

Qioaccumulative potential

Not available.

Section 12. Ecological information

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : **This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 final significant new use rules**: Sodium Nitrite

List name	Name on list	Notes
TSCA 5(a)2 - Final significant new use rules	Sodium Nitrite (Nitrites of Alkali Metals (Group IA elements))	40 CFR 721.4740

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

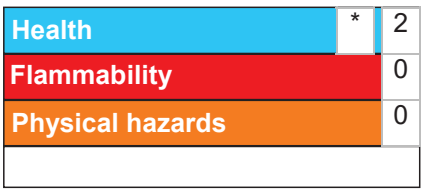
Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
j apan inventory (CSCL): Not determined.
j apan inventory (ISHL): Not determined.
 # orea inventory (# ECI): Not determined.
New Bealand Inventory of Chemicals (NBIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
] ietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	j ustification
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method

History

Date of printing : 2/7/2026

Date of issue/Date of revision : 2/7/2026

Date of previous issue : 8/16/2025

] ersion : 30

#ey to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subJect to change and may differ between various locations and Jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

According to 29 CFR 1910.1200

B58W610

Section 1. Identification

Product name : MACROPOXY® 646 Fast Cure Epoxy (Part A)
Mill White

Product code : B58W610

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1B
TOXIC TO REPRODUCTION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 31% (oral), 9% (dermal), 32% (inhalation)

GHS label elements

Hazard pictograms :

Section 2. Hazards identification

Signal word : Danger

Hazard statements : Flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure. (lungs, skin)

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage : Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Section 3. Composition/information on ingredients

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥25 - ≤50	13463-67-7
Phenol, isobutylenated methylstyrenated	≥10 - ≤25	68457-74-9
Xylene, mixed isomers	≥10 - ≤25	1330-20-7
Polyamine	≤10	157707-73-8
Talc	≤10	14807-96-6
Ethylbenzene	≤3	100-41-4
Amines, polyethylenepoly-, triethylenetetramine fraction	≤2.3	90640-67-8
Amines, polyethylenepoly-, tetraethylenepentamine fraction	<1	90640-66-7
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	≤0.3	77-99-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Section 4. First aid measures

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
stomach pains
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

Section 5. Fire-fighting measures

Specific hazards arising from the chemical : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Remark : Flammable liquid.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	**ACGIH TLV (United States, 1/2025)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Phenol, isobutylenated methylstyrenated	68457-74-9	None.
Xylene, mixed isomers	1330-20-7	**ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene]** A4. Ototoxicant. TWA 8 hours: 20 ppm. **OSHA PEL (United States, 5/2018) [Xylenes]** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.
Polyamine	157707-73-8	None.
Talc	14807-96-6	**ACGIH TLV (United States, 1/2025)** A4. TWA 8 hours: 2 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 2 mg/m³. Form: Respirable fraction.

Section 8. Exposure controls/personal protection

Ethylbenzene	100-41-4	**ACGIH TLV (United States, 1/2025)** A3. Ototoxicant. TWA 8 hours: 20 ppm. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 100 ppm. TWA 10 hours: 435 mg/m³. STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m³. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.
Amines, polyethylenepoly-, triethylenetetramine fraction	90640-67-8	None.
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	None.
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	**ACGIH TLV (United States, 1/2025)** TWA 8 hours: 0.5 ppm. Form: Inhalable fraction and vapor.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Xylene	1330-20-7	**CA Saskatchewan Provincial (Canada, 4/2021) [Xylene]** STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. **CA British Columbia Provincial (Canada, 6/2025) [xylene, all isomers]** TWA 8 hours: 20 ppm. **CA Ontario Provincial (Canada, 6/2019) [Xylene (o-, m-, p-isomers)]** STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. **CA Quebec Provincial (Canada, 2/2024) [Xylene]** TWAEV 8 hours: 100 ppm. TWAEV 8 hours: 434 mg/m³. STEV 15 minutes: 150 ppm. STEV 15 minutes: 651 mg/m³. **CA Alberta Provincial (Canada, 3/2023) [Dimethylbenzene]** OEL 8 hours: 100 ppm. OEL 15 minutes: 651 mg/m³. OEL 15 minutes: 150 ppm. OEL 8 hours: 434 mg/m³.
talc (none asbestiform)	14807-96-6	**CA Saskatchewan Provincial (Canada, 4/2021)** TWA 8 hours: 2 mg/m³. Form: respirable fraction. **CA British Columbia Provincial (Canada, 6/2025)** TWA 8 hours: 2 mg/m³. Form: respirable. Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 2 mg/m³. Form: respirable particulate matter.

Section 8. Exposure controls/personal protection

		TWA 8 hours: 2 fibers/cm³. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 2 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 2 mg/m³. Form: respirable particulate.
Ethylbenzene	100-41-4	**CA Saskatchewan Provincial (Canada, 4/2021)** STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. **CA British Columbia Provincial (Canada, 6/2025)** Carc 2B. TWA 8 hours: 20 ppm. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 20 ppm. **CA Quebec Provincial (Canada, 2/2024)** C3. TWAEV 8 hours: 20 ppm. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 100 ppm. OEL 8 hours: 434 mg/m³. OEL 15 minutes: 543 mg/m³. OEL 15 minutes: 125 ppm.
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	**CA British Columbia Provincial (Canada, 6/2025)** Repr. Notes: No British Columbia exposure limit at this time

Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
Xylene, mixed isomers	1330-20-7	**NOM-010-STPS-2014 (Mexico, 4/2016) [Xileno, mezcla]** A4. STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm.
Ethylbenzene	100-41-4	**NOM-010-STPS-2014 (Mexico, 4/2016)** A3. TWA 8 hours: 20 ppm.
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	**ACGIH TLV (United States, 1/2025)** TWA 8 hours: 0.5 ppm. Form: Inhalable fraction and vapor.

Biological exposure indices (United States)

Ingredient name	Exposure indices
Xylene, mixed isomers	**ACGIH BEI (United States, 1/2025) [xylenes (technical or commercial grades)]** BEI: 0.3 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Ethylbenzene	**ACGIH BEI (United States, 1/2025)** BEI: 150 mg/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

Section 8. Exposure controls/personal protection

Ingredient name	Exposure indices
Xylene, mixed isomers	**Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) [xilenos (grado técnico o comercial)]** BEI: 1.5 g/g creatinine, methyl hippuric acids [in urine]. Sampling time: at the end of the work shift.
Ethylbenzene	**Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012)** BEI: 0.7 g/g creatinine [non-specific.The determinant is nonspecific, since it can be found after exposure to other chemicals.; semi-quantitative.The biological determinant is an indicator of chemical exposure, but the quantitative interpretation of the measure is ambiguous. These biological determinants should be used as a screening test if a quantitative test is not possible.], Sum of mandelic acid and acid phenylglyoxylic [in urine]. Sampling time: at the end of the shift at the end of the work week. BEI: semi-quantitative.The biological determinant is an indicator of chemical exposure, but the quantitative interpretation of the measure is ambiguous. These biological determinants should be used as a screening test if a quantitative test is not possible., ethylbenzene [in exhaled air]. Sampling time: uncritical.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 8. Exposure controls/personal protection

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : Not applicable.

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : 136°C (276.8°F)

Flash point : Closed cup: 29°C (84.2°F) [Pensky-Martens Closed Cup]

Evaporation rate : 0.8 (butyl acetate = 1)

Flammability : Flammable liquid.

Lower and upper explosion limit/flammability limit : Lower: 1%
Upper: 7%

Vapor pressure : 0.95 kPa (7.1 mm Hg)

Relative vapor density : 3.66 [Air = 1]

Relative density : 1.46

Density : 1.46 g/cm³

Solubility(ies) :

Section 9. Physical and chemical properties

Media	Result
cold water	Not soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): <20.5 mm^2/s (<20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 5.24 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials : Reactive or incompatible with the following materials:
oxidizing materials

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Phenol, isobutylenated methylstyrenated	**Rabbit - Dermal - LD50** >20000 mg/kg
Xylene, mixed isomers	**Rat - Oral - LD50** 4300 mg/kg Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes **Rat - Inhalation - LC50 Gas.** 6700 ppm [4 hours] Toxic effects: Behavioral - Somnolence (general depressed activity)
Ethylbenzene	**Rat - Oral - LD50** 3500 mg/kg Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder -

Section 11. Toxicological information

	Other changes **Rabbit - Dermal - LD50** >5000 mg/kg
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	**Rat - Oral - LD50** 14000 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I
Xylene, mixed isomers	**Rat - Skin - Mild irritant** Duration of treatment/exposure: 8 hours Amount/concentration applied: 60 uL **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Moderate irritant** Amount/concentration applied: 100 %
Talc	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I
Ethylbenzene	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
Xylene, mixed isomers	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 87 mg **Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg
Ethylbenzene	**Rabbit - Eyes - Severe irritant** Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Section 11. Toxicological information

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Xylene, mixed isomers	-	3	-
Talc	-	2A	-
Ethylbenzene	-	2B	-

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
Phenol, isobutylenated methylstyrenated	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Xylene, mixed isomers	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result

Section 11. Toxicological information

Phenol, isobutylenated methylstyrenated	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (skin) - Category 2
Xylene, mixed isomers	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Talc	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) (inhalation) - Category 1
Ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Aspiration hazard

Product/ingredient name	Result
Phenol, isobutylenated methylstyrenated	ASPIRATION HAZARD - Category 1
Xylene, mixed isomers	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations

Section 11. Toxicological information

Ingestion : Adverse symptoms may include the following:
stomach pains
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
MACROPOXY® 646 Fast Cure Epoxy (Part A)	10963.1	14585.8	N/A	287.0	N/A
Xylene, mixed isomers	4300	2500	N/A	N/A	N/A
Ethylbenzene	3500	N/A	N/A	11	N/A
Amines, polyethylenepoly-, triethylenetetramine fraction	500	1100	N/A	N/A	N/A
Amines, polyethylenepoly-, tetraethylenepentamine fraction	500	1100	N/A	N/A	N/A
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	14000	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Xylene, mixed isomers	**Acute - LC50 - Marine water** Crustaceans - Daggerblade grass shrimp - *Palaemon pugio* 8500 µg/l [48 hours] Effect: Mortality **Acute - LC50 - Fresh water** Fish - Fathead minnow - *Pimephales promelas* Age: 31 days; Size: 18.4 mm; Weight: 0.077 g 13.4 mg/l [96 hours] Effect: Mortality
Ethylbenzene	**Acute - LC50 - Fresh water** Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* 4200 µg/l [96 hours] Effect: Mortality **Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: ≤24 hours 2.93 mg/l [48 hours] Effect: Intoxication **Acute - EC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* 3600 µg/l [96 hours] Effect: Population
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	**Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* Age: 1 to 3 days 13 g/l [48 hours] Effect: Intoxication **Acute - LC50 - Marine water** Fish - Sheepshead minnow - *Cyprinodon variegatus* 14.4 g/l [96 hours] Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Xylene, mixed isomers	-	-	Readily
Ethylbenzene	-	-	Readily

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Xylene, mixed isomers	-	8.1 to 25.9	Low
2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	-	<1 [OECD 305 C]	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3	3
Packing group	III	III	III	III	III
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class	-	-	**Emergency schedules** F-E, S-E

Section 14. Transport information

	ERG No. 128	3). **ERG No.** 128	**ERG No.** 128		

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

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All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED and rely on information provided to us by our raw material suppliers. Our suppliers often provide an estimated value or range less than a certain upper limit. We calculate MAXIMUM THEORETICAL VALUES using defined values, if provided, or the upper limit reported by our supplier. Additionally, the suppliers' information may include amounts present in the product as unintentional byproducts or impurities. Variations may occur in individual batches due to adjustments made during production. Reporting of chemicals in this section does not necessarily indicate their presence in the final formulated product.

Ingredient name	% by weight	CAS number
Mercury (as Hg)	0.000005	
Xylene, mixed isomers	15	1330-20-7
Ethylbenzene	3	100-41-4
Lead (as Pb)	0.0001	

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

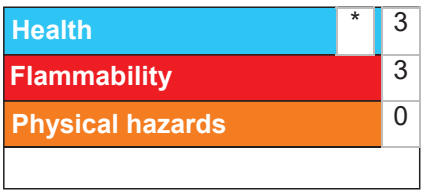
Not listed.

Section 15. Regulatory information

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1B	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

History

Date of printing : 3/2/2026

Date of issue/Date of revision : 3/2/2026

Date of previous issue : 12/13/2025

Version : 36

Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

According to 29 CFR 1910.1200

B65W1121

Section 1. Identification

Product name : PRO INDUSTRIAL™ Pre-Catalyzed Waterbased Urethane Gloss Extra White

Product code : B65W1121

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION - Category 2

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Contaminated work clothing must not be allowed out of the workplace.

Section 2. Hazards identification

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥10 - ≤25	13463-67-7
Attapulgite Clay	≤0.3	12174-11-7
Bis(pentamethyl-4-piperidyl)sebacate	≤0.3	41556-26-7
Benzophenone	≤0.3	119-61-9

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS B	Exposure limits
Titanium Dioxide	13463-67-7	**ACGIH TLV (United States, 1/2024)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Attapulgite Clay	12174-11-7	None.
Bis(pentamethyl-4-piperidyl)sebacate	41556-26-7	None.
Benzophenone	119-61-9	**OARS WEEL (United States, 9/2024)** TWA 8 hours: 0.5 mg/m³.

Occupational exposure limits (Canada)

Ingredient name	CAS B	Exposure limits
Fibres-Natural Mineral Fibres, Attapulgite	12174-11-7	**CA [uebec Provincial (Canada, 2/2024)]Attapulgite#**C1. TWAEV 8 hours: 1 fibers/cm³. Form: RESPIRABLE FIBRES (other than respirable asbestos fibres) : Objects, other than respirable asbestos fibres, longer than 5 µm, having a diameter of less than 3 µm and a ratio of length to diameter of more than 3 : 1..
Benzophenone	119-61-9	**CA Zritish Columbia Provincial (Canada, 9/2024)** Carc 2B.

Occupational exposure limits (Mexico)

None.

Ziological exposure indices (United States)

No exposure indices known.

Ziological exposure indices (Canada)

No exposure indices known.

Ziological exposure indices (Mexico)

No exposure indices known.

Section 8. Exposure controls/personal protection

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Zody protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : 8.9

Melting point/freezing point : Not available.

Zoiling point or initial boiling point and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Section 9. Physical and chemical properties

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Lower: 0.6%
Upper: 4.2%

Vapor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.17

Density : 1.16 g/cm³

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 1.409 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Benzophenone	**Rat - Oral - LD50** >10 g/kg **Rabbit - Dermal - LD50** 3535 mg/kg

Conclusion/Summary]Product# : Not available.

Section 11. Toxicological information

Skin corrosion/irritation

Product/ingredient name	Result
Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I

Conclusion/Summary]Product# : Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary]Product# : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary]Product# : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary]Product# : Not available.

Respiratory

Conclusion/Summary]Product# : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary]Product# : Not available.

Carcinogenicity

Not available.

Conclusion/Summary]Product# : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Attapulgite Clay	-	2B	-
Benzophenone	-	2B	-

Reproductive toxicity

Not available.

Section 11. Toxicological information

Conclusion/Summary]Product# : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Benzophenone	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

Not available.

Conclusion/Summary]Product# : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Benzophenone	500	3535	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Benzophenone	**Acute - LC50 - Fresh water** Fish - Fathead minnow - *Pimephales promelas* - Larvae Age: <24 hours 10.89 mg/l [96 hours] Effect: Mortality **Chronic - NOEC - Fresh water** Fish - Fathead minnow - *Pimephales promelas* - Embryo Age: <24 hours 1.03 mg/l [32 days] Effect: Growth

Conclusion/Summary]Product# : Not available.

Persistence and degradability

Not available.

Conclusion/Summary]Product# : Not available.

Zioaccumulative potential

Section 12. Ecological information

Product/ingredient name	$LogP_{ow}$	ZCF	Potential
Benzophenone	-	12.02	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(e) substance consent order**: Fluoropolymer

List name	Name on list	Notes
TSCA 5(e) - Substances consent order	Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts (PROVISIONAL)	

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

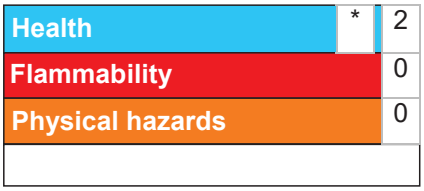
Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Section 16. Other information

The customer is responsible for determining the PPE code for this material. For more information on HMIS; Personal Protective Equipment (PPE) codes, consult the HMIS; Implementation Manual.

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Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method

History

Date of printing : 11/16/2025

Date of issue/Date of revision : 11/16/2025

Date of previous issue : 7/29/2025

Version : 14

Key to abbreviations : ATE = Acute Toxicity Estimate
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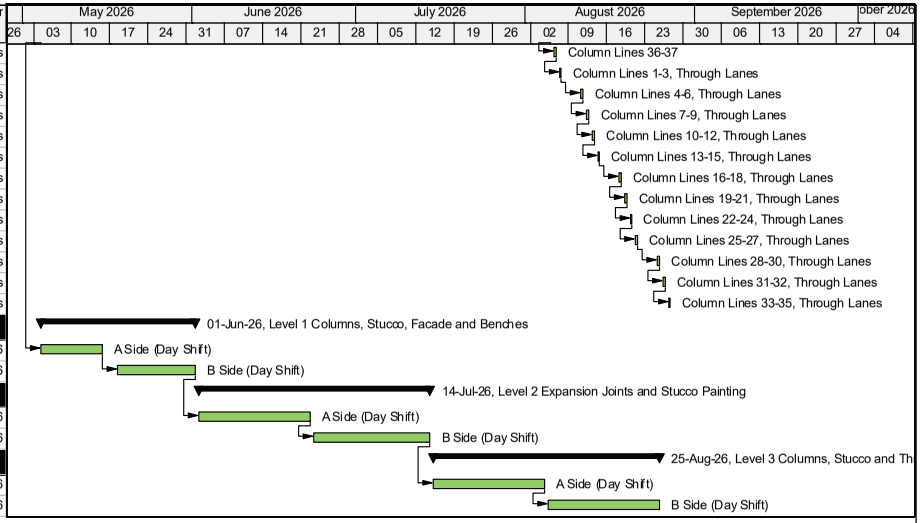
Activity ID	Activity Name	Original Duration	Actual Duration	Start	Finish	Calendar
V-1109 Terminals A and B Vertical Surfaces Painting		106	0	28-Apr-26	25-Sep-26	
Administrative		156	0	28-Apr-26	25-Sep-26	7 Day Calendar
A1000	Kick Off Meeting	0	0	28-Apr-26	28-Apr-26	7 Day Calendar
A1010	CCM Approval	0	0	28-Apr-26	28-Apr-26	7 Day Calendar
A1020	NTP	0	0	04-May-26*	04-May-26	7 Day Calendar
A1040	Deadline to Request Substantial Completion	0	0	14-Aug-26	14-Aug-26	7 Day Calendar
A1030	Required Substantial Completion	0	0	27-Aug-26	27-Aug-26	7 Day Calendar
A1050	Final Completion	30	0	27-Aug-26	25-Sep-26	7 Day Calendar
Level 2 Ceilings, Curbs and Knee Wall , A Side		33	0	05-May-26	30-Jun-26	4 Night Shifts
A1060	Mobilization	0	0	05-May-26	05-May-26	4 Night Shifts
A1070	Pressure Washing	8	0	05-May-26	15-May-26	4 Night Shifts
A1080	Column Lines 1-3, Curbside	1	0	19-May-26	19-May-26	4 Night Shifts
A1090	Column Lines 4-6, Curbside	1	0	20-May-26	20-May-26	4 Night Shifts
A1100	Column Lines 7-9, Curbside	1	0	21-May-26	21-May-26	4 Night Shifts
A1110	Column Lines 10-12, Curbside	1	0	22-May-26	22-May-26	4 Night Shifts
A1120	Column Lines 13-15, Curbside	1	0	26-May-26	26-May-26	4 Night Shifts
A1130	Column Lines 16-18, Curbside	1	0	27-May-26	27-May-26	4 Night Shifts
A1140	Column Lines 19-21, Curbside	1	0	28-May-26	28-May-26	4 Night Shifts
A1150	Column Lines 22-24, Curbside	1	0	29-May-26	29-May-26	4 Night Shifts
A1160	Column Lines 25-27, Curbside	1	0	02-Jun-26	02-Jun-26	4 Night Shifts
A1170	Column Lines 28-30, Curbside	1	0	03-Jun-26	03-Jun-26	4 Night Shifts
A1180	Column Lines 31-32, Curbside	1	0	04-Jun-26	04-Jun-26	4 Night Shifts
A1190	Column Lines 33-35, Curbside	1	0	05-Jun-26	05-Jun-26	4 Night Shifts
A1200	Column Lines 36-37	1	0	09-Jun-26	09-Jun-26	4 Night Shifts
A1210	Column Lines 1-3, Through Lanes	1	0	10-Jun-26	10-Jun-26	4 Night Shifts
A1220	Column Lines 4-6, Through Lanes	1	0	11-Jun-26	11-Jun-26	4 Night Shifts
A1230	Column Lines 7-9, Through Lanes	1	0	12-Jun-26	12-Jun-26	4 Night Shifts
A1240	Column Lines 10-12, Through Lanes	1	0	16-Jun-26	16-Jun-26	4 Night Shifts
A1250	Column Lines 13-15, Through Lanes	1	0	17-Jun-26	17-Jun-26	4 Night Shifts
A1260	Column Lines 16-18, Through Lanes	1	0	18-Jun-26	18-Jun-26	4 Night Shifts
A1270	Column Lines 19-21, Through Lanes	1	0	19-Jun-26	19-Jun-26	4 Night Shifts
A1280	Column Lines 22-24, Through Lanes	1	0	23-Jun-26	23-Jun-26	4 Night Shifts
A1290	Column Lines 25-27, Through Lanes	1	0	24-Jun-26	24-Jun-26	4 Night Shifts
A1300	Column Lines 28-30, Through Lanes	1	0	25-Jun-26	25-Jun-26	4 Night Shifts
A1310	Column Lines 31-32, Through Lanes	1	0	26-Jun-26	26-Jun-26	4 Night Shifts
A1320	Column Lines 33-35, Through Lanes	1	0	30-Jun-26	30-Jun-26	4 Night Shifts
Level 2 Ceilings, Curbs, and Knee Walls B Side		33	0	01-Jul-26	27-Aug-26	4 Night Shifts
A1330	Mobilization	0	0	01-Jul-26	01-Jul-26	4 Night Shifts
A1340	Cables and Pressure Washing	8	0	01-Jul-26	15-Jul-26	4 Night Shifts
A1350	Column Lines 1-3, Curbside	1	0	16-Jul-26	16-Jul-26	4 Night Shifts
A1360	Column Lines 4-6, Curbside	1	0	17-Jul-26	17-Jul-26	4 Night Shifts
A1370	Column Lines 7-9, Curbside	1	0	21-Jul-26	21-Jul-26	4 Night Shifts
A1380	Column Lines 10-12, Curbside	1	0	22-Jul-26	22-Jul-26	4 Night Shifts
A1390	Column Lines 13-15, Curbside	1	0	23-Jul-26	23-Jul-26	4 Night Shifts
A1400	Column Lines 16-18, Curbside	1	0	24-Jul-26	24-Jul-26	4 Night Shifts
A1410	Column Lines 19-21, Curbside	1	0	28-Jul-26	28-Jul-26	4 Night Shifts
A1420	Column Lines 22-24, Curbside	1	0	29-Jul-26	29-Jul-26	4 Night Shifts
A1430	Column Lines 25-27, Curbside	1	0	30-Jul-26	30-Jul-26	4 Night Shifts
A1440	Column Lines 28-30, Curbside	1	0	31-Jul-26	31-Jul-26	4 Night Shifts
A1450	Column Lines 31-32, Curbside	1	0	04-Aug-26	04-Aug-26	4 Night Shifts
A1460	Column Lines 33-35, Curbside	1	0	05-Aug-26	05-Aug-26	4 Night Shifts

Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

All Activities

CLANCY & THEYS CONSTRUCTION COMPANY

Activity ID	Activity Name	Original Duration	Actual Duration	Start	Finish	Calendar
A1470	Column Lines 36-37	1	0	06-Aug-26	06-Aug-26	4 Night Shifts
A1480	Column Lines 1-3, Through Lanes	1	0	07-Aug-26	07-Aug-26	4 Night Shifts
A1490	Column Lines 4-6, Through Lanes	1	0	11-Aug-26	11-Aug-26	4 Night Shifts
A1500	Column Lines 7-9, Through Lanes	1	0	12-Aug-26	12-Aug-26	4 Night Shifts
A1510	Column Lines 10-12, Through Lanes	1	0	13-Aug-26	13-Aug-26	4 Night Shifts
A1520	Column Lines 13-15, Through Lanes	1	0	14-Aug-26	14-Aug-26	4 Night Shifts
A1530	Column Lines 16-18, Through Lanes	1	0	18-Aug-26	18-Aug-26	4 Night Shifts
A1540	Column Lines 19-21, Through Lanes	1	0	19-Aug-26	19-Aug-26	4 Night Shifts
A1550	Column Lines 22-24, Through Lanes	1	0	20-Aug-26	20-Aug-26	4 Night Shifts
A1560	Column Lines 25-27, Through Lanes	1	0	21-Aug-26	21-Aug-26	4 Night Shifts
A1570	Column Lines 28-30, Through Lanes	1	0	25-Aug-26	25-Aug-26	4 Night Shifts
A1580	Column Lines 31-32, Through Lanes	1	0	26-Aug-26	26-Aug-26	4 Night Shifts
A1590	Column Lines 33-35, Through Lanes	1	0	27-Aug-26	27-Aug-26	4 Night Shifts
Level 1 Columns, Stucco, Facade and Benches		20	0	04-May-26	01-Jun-26	
A1600	A Side (Day Shift)	10	0	04-May-26	15-May-26	CT Work Days_2026
A1610	B Side (Day Shift)	10	0	18-May-26	01-Jun-26	CT Work Days_2026
Level 2 Expansion Joints and Stucco Painting		30	0	02-Jun-26	14-Jul-26	
A1620	A Side (Day Shift)	15	0	02-Jun-26	22-Jun-26	CT Work Days_2026
A1630	B Side (Day Shift)	15	0	23-Jun-26	14-Jul-26	CT Work Days_2026
Level 3 Columns, Stucco and Through Lane Knee Wall		30	0	15-Jul-26	25-Aug-26	
A1640	A Side (Day Shift)	15	0	15-Jul-26	04-Aug-26	CT Work Days_2026
A1650	B Side (Day Shift)	15	0	05-Aug-26	25-Aug-26	CT Work Days_2026



Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

All Activities

CLANCY & THEYS CONSTRUCTION COMPANY

V-01109 Terminals A&B Departure & Arrivals Painting

Estimate Cost

Item	*Quantity*	*Unit*	*unit price*	*item total*
Senior Project Manager	360	h	$98.36	$35,409.60
Safety Director	40	h	$95.00	$3,800.00
Superintendant	1,000	h	$80.00	$80,000.00
Assistant Superintendent	1,000	h	$55.00	$55,000.00
Foreman	1,000	h	$65.00	$65,000.00
			Subtotal	**$239,209.60**
Painting Terminal A - departure	13,273	ft2	$3.28	$43,503.83
Painting Terminal A - arrival	171,081	ft2	$3.28	$560,716.50
Painting Terminal A - ground	24,926	ft2	$3.28	$81,693.59
Painting Terminal B - departure	13,273	ft2	$3.28	$43,503.83
Painting Terminal B - arrival	171,081	ft2	$3.28	$560,716.50
Painting Terminal B - ground	24,926	ft2	$3.28	$81,693.59
Painting Terminal A&B - Stucco	40,000	ft2	$3.28	$131,100.00
Painting Terminal A&B - Benches	32	ea	$400.00	$12,800.00
Foreman	1,000	h	$65.00	$65,000.00
Foreman	1,000	h	$65.00	$65,000.00
area total (ft2)	**458,559**		**Subtotal**	**$1,645,727.84**
Vertical Joint sealant with backer rod	2,113	ft	$10.00	$21,128.00
façade panel -Joint fill (Backer rod)	2,520	ft	$4.00	$10,080.00
			Subtotal	**$31,208.00**
Field Office	4	Month	$1,000.00	$4,000.00
Dumpster	2	Pull	$500.00	$1,000.00
MOT Rental	120	days	$150.00	$18,000.00
steel cable for netting	10,080	ft	$3.00	$30,240.00
Debris Netting	60,480	ft2	$0.80	$48,384.00
			Subtotal	**$101,624.00**
Insurance	0.8113%			$16,370.16
Tech Fees	0.2975%			$6,002.86
Bond	1.0000%			$20,177.69
default insurance	1.2000%			$24,213.23
fee	15.0000%			$302,665.42

Total **$2,387,198.82**

BULLETIN

PROJECT NO. & NAME:	V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B)	
BULLETIN NO.:	01	
ISSUANCE DATE:		
CONTRACTOR:	Clancy & Theys Construction Co	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	The Roderick Group, Inc., dba Ardmore Roderick	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative** The Scope of work is to power wash all vertical surfaces and ceiling of the Departure, Arrival, and Commercial Lanes that are to be painted. Painting of said surfaces in the attached scope. In addition prepping and repainting curb and speed bumps. The pebble textured walls and tiled walls are to be excluded. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC)	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.
	☐ Other	Click or tap here to enter text.

☒ ATTACHMENTS INCLUDED:

Discipline	Drawing No.	Revision Date	Revision Narrative
	Photo		Photo highlighting area of work.

Terminal A & B—Deparutre Lanes

All concrete columns along depature lane. This photo is just an example of the columns

Knee Wall is included in scope. All sides

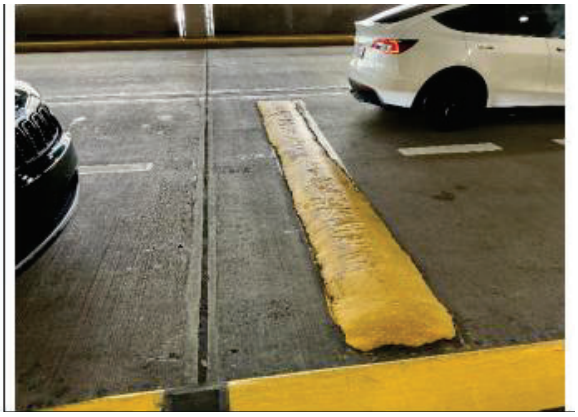
Repaint curbs. Only repainting the existing areas that are painted.

This photo is sample area.

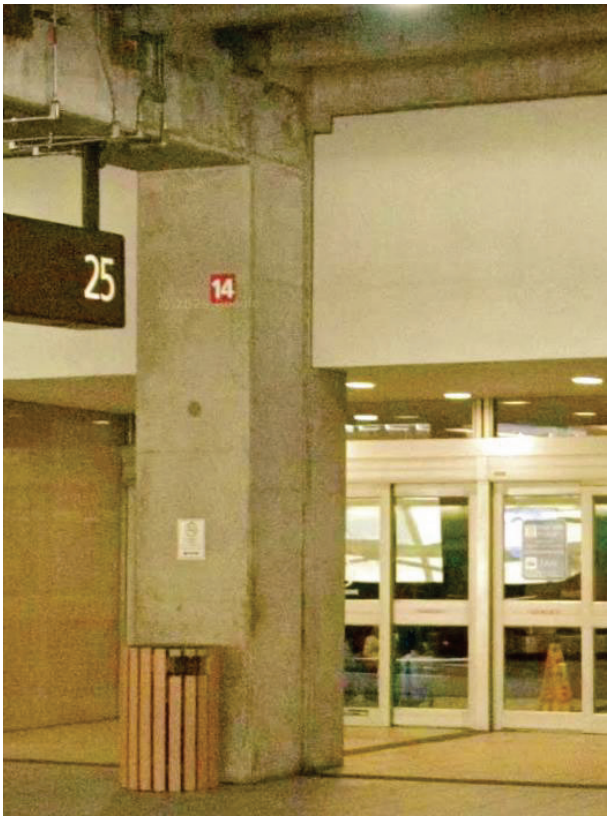
Terminal A & B—Arrival Lanes

All Ceiling, Vertical, and knee wall are included in scope. The outer side of colum, header, and knee wall are part of scope as well. This photo is a sample only. Entire lane will be in scope.

Repaint all curbs, both sides of the lane and the speed humps that are currently painted yellow.



The Vertical joint between two columns. Remove existing material and replace and caulk. Do not paint this caulked seam.

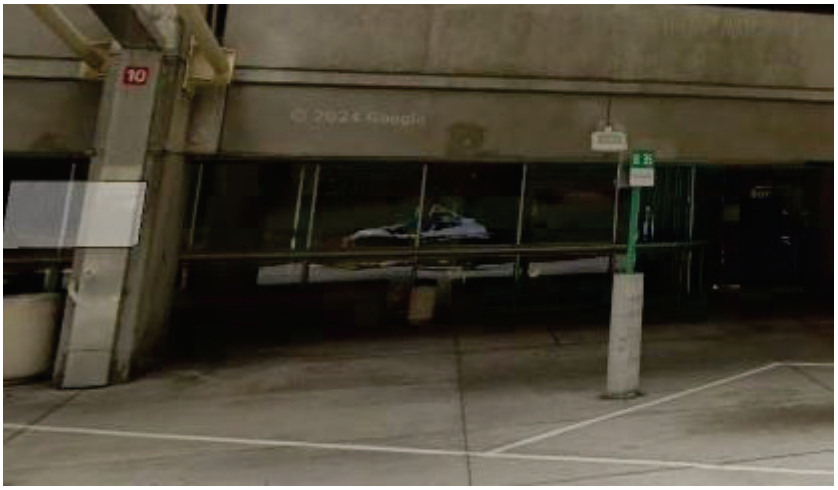


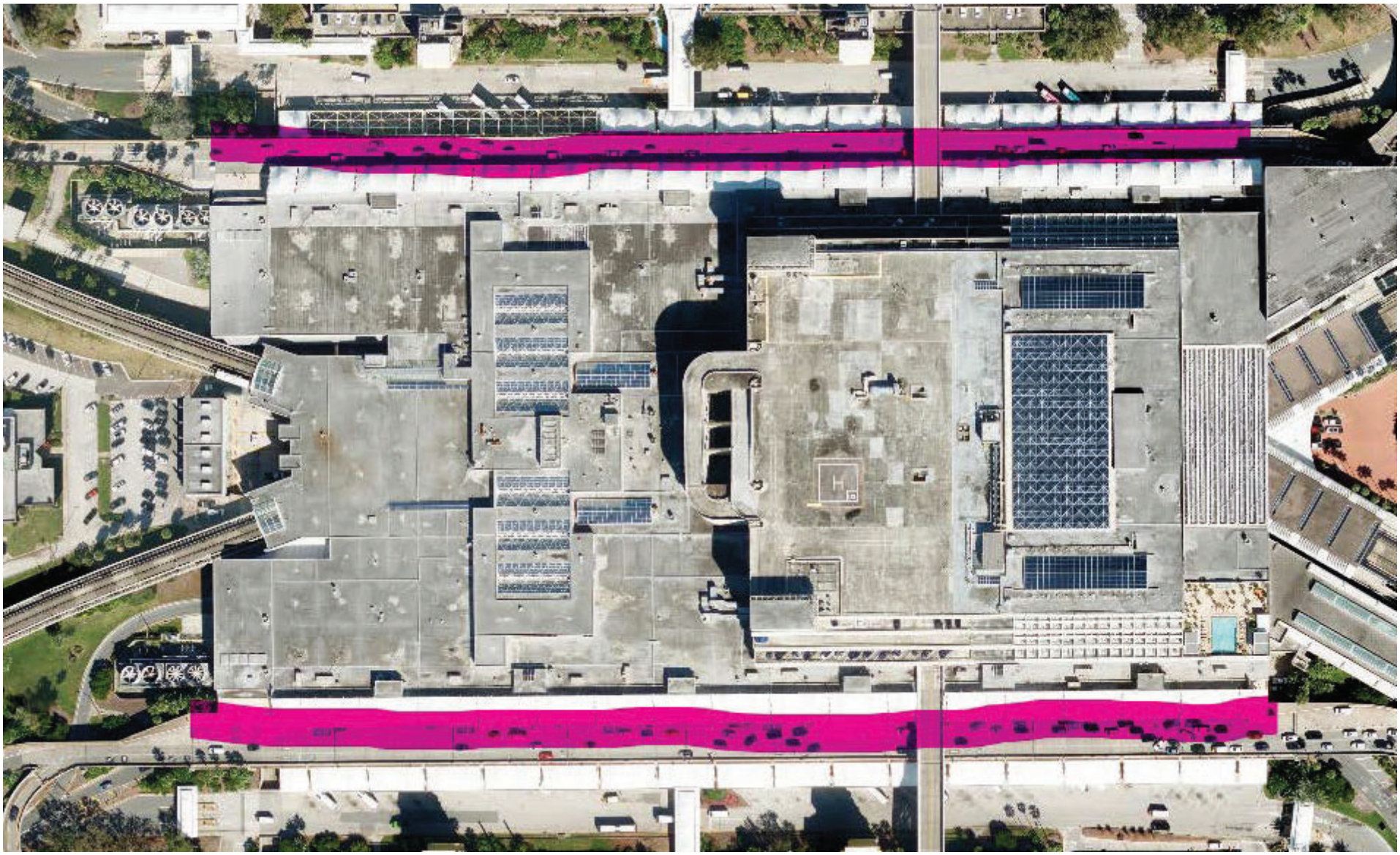
Terminal A & B—Commercial Lanes

All Vertical surfaces are in scope. Ceiling is excluded.

Including the outside wall of the structure, up to and including the Departure Level Knee wall.

Concrete benches will also be in scope.





Greater Orlando Aviation Authority

Published By: Jennifer Woods
Reviewed By: Jeff Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 1	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B)	DATE: 4/28/26
CONTRACTOR:	Clancy & Theys Construction Co	
A/E:		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative. Provide all labor, material, and equipment to power wash and paint vertical surfaces and ceiling of the Departure, Arrival, and Commercial Lanes

ADD: $2,562,156.91

Item #2 – Allowance Reduction- Reduce the power washing and painting at Departures, Arrivals, and Commercial lanes allowance by ($2,562,156.91) From $3,200,00.00 to $637,843.09 to cover the costs of Item 1 above

Deduct: ($2,562,156.91)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for item 1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☐ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 2,562,156.91		
GOAA/OAR Estimate	$ 2,387,198.82		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(For Info. Only)	$	206,343.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	
Is there any potential backcharge to the A/E? Yes ☐ No ☐	Omissions	$	0.00
	Errors	$	
PREPARED BY:		PHONE:	

Published By: Jennifer Woods
Reviewed By: Jeff Reine

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

CLANCY &THEYS CONSTRUCTION COMPANY

1401 Beulah Road, Suite 124
Winter Garden, Florida 34787
407.578.1449 | www.clancytheys.com
FL License No. CGC1521064

April 15, 2026

Jennifer Woods
Greater Olando Aviation Authority

Re: V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B)

Dear Ms. Woods:

Thank you for the opportunity to present pricing for the V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B) project. Based on the scope of work listed below, this project can be completed at a cost of $2,562,156.91.

1) Apply High Performance Acrylic Pastel Based Coating (Flat Finish with Low Angular Sheen) to arrivals levels ceilings, concrete columns on levels 1-3, opposing knee wall on levels 2 and 3 and face between walls. All exposed stucco on levels 1-3.
2) All stucco and concrete are to receive 2 coats of Sherwin Williams Duration Exterior Latex Coating in flat sheen.
3) **Façade between levels 1 and 2 is to be painted. Planter bed façade between levels 2 and 3 is not included.**
4) **Concrete column supporting bridge to terminal top garage is not included.**
5) Concrete benches at ground transportation level to receive a high-performance epoxy coating with pre-catalyzed urethane gloss finish.
6) Vertical caulk expansion joints at level 2 columns are to be removed and recaulked totaling approximately 2700 LF.
7) All curbs that are currently painted at levels 2 and 3 are to be repainted.
8) (12) 20’ concrete speed bumps are to be repainted. No additional roadway striping is included.
9) Night work is expected at roadways and other areas as required.
10) Debris netting to be hung from roadway when painting roadway ceilings using 3/8” aircraft cable and carabiners.
11) Bike rack style barricades will be set up and removed nightly.
12) Pricing assumes a minimum of (4) 10-hour night shifts per week.
13) A 2-lane closure MOT plan will be implemented by MOT certified C&T staff. FDOT MOT plans included.
14) Sprinkler piping is not to be painted (protected).
15) All pressure washing and prep per manufacturer’s instructions is included.

Item	Unit	Quantity	Unit Price	Item Total
Painting	LS	1	$ 1,901,927.00	$ 1,901,927.00
MOT Rental	120 days	1	$ 19,062.60	$ 19,062.60
Steel Cable Installation for Netting	LS	1	$ 25,553.38	$ 25,553.38
Debris Netting	LS	1	$ 4,861.69	$ 4,861.69
Misc. Consumables	LS	1	$ 2,500.00	$ 2,500.00
Bike Rack Barricades	LS	1	$ 8,914.16	$ 8,914.16

Senior Project Manager	Hours	360	$ 98.36	$ 35,409.60
Safety Director	Hours	40	$ 95.11	$ 3,804.40
Superintendant 1	Hours	720	$ 79.08	$ 56,937.60
Assistant Superintendant	Hours	720	$ 53.53	$ 38,541.60
Working Foreman	Hours	720	$ 48.47	$ 34,898.40
Trucks	Hours	2560	$ 9.80	$ 25,088.00
Field Office	Months	2	$ 2,000.00	$ 4,000.00
Dumpsters	Pulls	2	$ 410.00	$ 820.00

Subtotal		**$ 2,162,318.43**
Insurance	0.8113%	$ 17,542.89
Bond	1% of $3.2mm	$ 32,000.00
Subcontractor Default Insurance	1.20%	$ 25,947.82
Fee	15%	$ 324,347.76
Total		**$ 2,562,156.91**

421 Gold Metal Ct.
Longwood, FL 32750
Phone: 407-331-3805
Fax: 407-331-4019

Percopo Coatings Company

- *Painting & Coatings*
- *Seamless flooring*
- *Special Finishes*
- *Waterproofing*
- *Wall coverings*
- *Restoration & Repair*
- *Project Management*

Updated April 15, 2026

Kevin Harvey
Clancy & Theys Construction Co.
7308 Greenbriar Parkway
Orlando, FL 32819

Re: GOAA – Terminal A Traffic Lanes Concrete Ceilings Arrival & Commercial Lanes Levels 1, 2 & 3.

Dear Kevin,

Please find below our pricing for the above-mentioned project according to the Site Visits, and in accordance with the scope of work listed:

SCOPE OF WORK:

- Pressure Washing All substrates.
- Traffic Lane Ceilings and all concrete, masonry and stucco surfaces to receive High Reflective High Performance Acrylic Pastel Based Coating (Flat Finish with Low Angular Sheen) for Hiding and Reflection.
- Sprinkler Pipes Painting Not Included (Protection)
- Misc. Conduit and Devices in the Field of work intended to be painted.
- Prep and Priming of Steel in Ceiling
- Installation of Scrim/ Fabric Barrier for protection of traffic and overspray by 37 Bays done in phases of 3 at a time on 3rd shift and only Bays in front of doors at this time. (Supplied by Others)
- All Large and Small Columns
- Concrete Benches, Prep, Epoxy with a HP Finish.
- Opposing Knee Walls and Face of Wall Between Levels 1 and 2
- 150 each 2" Joints @ Columns approx. 2700LF
- Repaint Curb
- Paint 12 Speed Bumps
- Work to be performed in a combination of all shifts.
- Includes all access & hoisting
- Includes all paint related prep and protection

Total Cost Painting – Terminal A&B Levels 1, 2 and 3: $ 1,901,927.00

If you have any questions, please call me @ 407-331-3805. Thank you for this opportunity.

Sincerely,

Mike Percopo
CEO
Percopo Coatings Company
Cc: B0098-2026 Bid File

MOT PLANS
4928 OLD WINTER GARDEN RD
ORLANDO, FL 32811

Date: 3/23/26	***Contractor: Clancy & Theys***
Contact: Kevin Harvey	***Phone: 407-676-2529***
Email : kevinharvey@clanceytheys.com	***Job Name: GOAA A & B Terminal Arrivals Ceiling Paint Rev.1***
Index # FDOT 613	*120 Days Rental for Lane Closures*

Please submit a PO# or Job Name if your Company Requires One, at the time the order is placed.

	DESCRIPTION	PRICE	UOM	TOTAL
20	***Work Zone Signs – As Required***	***$0.65***	***120***	***$1,560.00***
100	***Traffic Cones***	***$0.30***	***120***	***$3,600.00***
2	***Arrow Boards***	***$15.00***	***120***	***$3,600.00***
2	***Variable Message Boards***	***$25.00***	***120***	***$6,000.00***
2	***MOT Set-up by Certified Personnel (Nighttime)***	***$450.00***	***Each***	***$900.00***
2	***MOT Take-down by Certified Personnel (Nighttime)***	***$450.00***	***Each***	***$900.00***
4	***MOT Drawings by Certified Personnel (Two Sheet Drawings)***	***$350.00***	***Each***	***$1,400.00***
	Total without Tax			***$17,960.00***

GENERAL CONDITIONS: **** This quote is based on the information provided, however if anything else is needed we will provide you with a revised quote. Quote expires on 6/22/26.***

Tax: $1,102.60
Total: $19,062.60

Night Time Flagging Operation requires Light Towers as Per FL. DOT Index 603
Fuel for Light Tower added upon return $6.00 Gal. Charge for KEY if Not Returned $15.00**
MOT Plans Drawing (ATSSA-Certified) if required will be charged a minimum of $250.00
This quote is based on Plans provided.
This quote becomes part of any ensuing contract.
Pick up charges will be assessed at the end of the rental. Additional fees will apply for Add-Ons and Partial Pick-Ups.
Any deviation from plans may result in additional charges.
Signs are standard post mounted. Contractor is responsible for the entire Lump Sum.
Contractor is responsible for placement of MOT devices, unless otherwise specified.
Contractor is responsible for losses or damages.
All Damage to Attenuators, Barrier Wall & MOT Equipment is the responsibility of the Contractor andRepairs or replacement are billed at cost plus 20% made payable to MOT Plans LLC.
Signs are standard MUTCD only.
Contractor responsible for covering signs.
Contractor responsible to adhere to the clear zone requirements when equipment is not in use.
MOT Plans will not take on the responsibility of project Work Zone Traffic Control Supervisor unless
A specific agreement is executed in writing.

Quoted By-Jose Gonzalez ***jose@motplans.com*** ***407-813-6979***

Kevin Doxtater
Structural Steel
Shear Studs

Mobile: (407) 687-1528
Email: kevindfase@aol.com

FIRST AMERICAN STEEL ERECTORS CORP.
P.O. Box 953455
Lake Mary, Florida 32795-3455

Proposal: CT-13

Proposal Submitted:	Job #	Date:
CLANCY & THEYS CONSTRUCTION		03/18/2026
Street:	**Job Name:**	
1401 BEULAH RD, SUITE 124	ORLANDO INTERNATIONAL AIRPORT	
City, State and Zip Code:	**Job Location:**	
WINTER GARDEN, FL 34787	1 JEFF FUQUA BLVD, ORLANDO, FL 32827	
Name:	**Contact Number:**	**email:**
KEVIN HARVEY	407 676 2529	kevinharvey@clancytheys.com

PROPOSAL For Installing Aircraft Cable at Terminals A and B Arrivals Lane, Removal Included

LABOR WILL BE PERFORMED AT NIGHT AS COORDINATED WITH C&T

LABOR TO INSTALL 3/8" AIRCRAFT CABLE BETWEEN STRUCTURAL BEAMS TO HANG NETTING

3 MEN x 10 HOURS x 9 NIGHTS @ $85 PER HOUR	$22,950.00
AIRCRAFT CABLE	$ 2,103.38
MISC. FITTINGS	$ 500.00

TOTAL AMOUNT: $25,553.38

WE PROPOSE hereby to furnish tools and labor-complete in accordance with above specifications, for the sum of: $25,553.38

Remit Payment to: FIRST AMERICAN STEEL ERECTORS CORPORATION
P. O. BOX 953455
LAKE MARY, FL 32795-3455

All work is to be completed in a substantial workman like manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreement contingent upon strikes, accidents or delay beyond our control. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature: _____

Print_____ Title_____

ACCEPTANCE OF PORPOSTAL the above prices, specifications and conditions are Satisfactory and hereby accepted. You are authorized to do the work as specified. **Proposal is valid for 30 days**. Payment will be made as outline above.

Signature: _____ Title: _____

Print: _____ Date: _____

US CARGO CONTROL

inharvey407@gmail.com

d, 306

reet, #3100

d

3/8" 7x19 Galvanized Aircraft Cable - IPS | 2,500 ft. $1,975.00

Discount code

Apply

Subtotal	$1,975.00
Shipping	FREE
Estimated taxes	$128.38
Total	USD **$2,103.38**

Former and current Military members: Click Verify with ID.me below for a 10% discount. Thank you for your service!

Verify with ID.me

CHECKOUT

✔ SHIPPING

✔ REVIEW & PAYMENTS

Estimated Total
$4,861.69

SHIPPING ADDRESS

Email Address *

kevinharvey@clancytheys.com

You can create an account after checkout.

First Name *

Clancy

Last Name *

Company

Company

Clancy and Theys Construction

Street Address *

11406 Terminal C Service Rd

#33

Country *

United States

State/Province *

Florida

City *

Orlando

Zip/Postal Code *

32824

Phone Number *

4076762529

Please enter a valid phone number. For example (123)456-7890.

Does your order need to ship blind / without any pricing paperwork included ? *

No

Do you requre a delivery appointment for delivery of your order ? *

No

SHIPPING METHODS

New Orleans Warehouse

Eagle Industries DN50-20200-BLK-FR - Black 20' x 200' Flame Retardant Standard Debris Netting

SKU DN-20200-BLK-FR

$998.40

QTY: 4

Change

$571.36 LTL Freight Carrier - LTL

NEXT

ORDER SUMMARY

Cart Subtotal	$3,993.60
Shipping LTL Freight Carrier - LTL	$571.36
Tax	$296.73
Order Total	**$4,861.69**

Eagle Industries DN50-20200-BLK-FR - Black 20' x 200' Flame Retardant Standard Debris Netting

Qty: 4

$3,993.60

Estimated Shipping Date : 03/26/26 - 03/30/26

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NATIONAL CONSTRUCTION RENTALS®

ORLANDO OFFICE
(407) 381-2727

800-352-5675 • rentnational.com

QUOTE FOR SERVICES

COMPANY INFO: CUSTOMER # 42631		JOB SITE INFO: SITE # 0134	
Company:	CLANCY AND THEYS	**Job Name:**	OIA
Requested By:	KEVIN HARVEY **Phone:** 407-676-2529	**Address:**	1 JEFF FUQUA BLVD ORLANDO, FL 32827-4392
E-mail:	KEVINHARVEY@CLANCYTHEYS.COM	**Cross Street:**	
Other Phone:		**Site Contact:**	KEVIN HARVEY **Phone:** 407-676-2529
Billing Address:	2250 SHIPYARD BLVD SUITE 1 WILMINGTON, NC 28403	**Site E-mail:**	KEVINHARVEY@CLANCYTHEYS.COM
		Customer Ref #:	

Expected Install Date	Payment Terms	Prevailing Wage	Job Type
Mon. May 18, 2026	N30	No	Construction

Quantity	UOM	Description	Rental Term (up to)	Unit Price	Amount
1400	FT	FT OF BARRICADES	6 Months	5.99	8,386.00
Fence Notes:		200-PIECES 4X7 BARRICADES			

Fence Subtotal: **8,386.00**

Fence Minimum applies: If the total unit price times quantity for the above items does not exceed $750, this minimum will be charged rather than the per unit price.
Note: Damaged, missing, and lease buyout charges are not included in minimum charge.

Subtotal:	$8,386.00	Sales Tax:	$528.16	Grand Total:	$8,914.16

All prices include a one-time Delivery/Installation and a one-time Pick-Up/Removal.

Bids are based on quantity; if quantity changes, bid changes. Additional fees for hillside installations, hand carry, core drilling and inaccessibility. Deliveries and installs are scheduled Mon. - Fri. 7:00 a.m. - 3:00 p.m. Additional charges apply for weekends and after hours work. COD orders are to be paid in advance or upon delivery prior to installation. Orders with driven post(s) require 3-5 business days to complete underground markings. Remove and relocate charges are billed at the same rate as installation price. If services are subject to prevailing wage laws, any penalties or wages not included in this estimate will be paid by the lessee. Certified payroll is available upon request.

Customer's Signature: _____ **Date:** _____

Print Customer Name: _____ **PO #** _____

NOTE: Installation CANNOT be confirmed until quote is signed and returned. This bid expires in 14 days.

Date of Quote	Quote Number	Quote Prepared By	Email Address	Fax Signed Quote to
Thu. Mar 12, 2026	420553	EJIMENEZ	EJIMENEZ@RENTNATIONAL.COM	

NATIONAL CONSTRUCTION RENTALS®

ORLANDO OFFICE
(407) 381-2727

800-352-5675 • rentnational.com

QUOTE FOR SERVICES

COMPANY INFO: CUSTOMER # 42631		JOB SITE INFO: SITE # 0134	
Company:	CLANCY AND THEYS	**Job Name:**	OIA
Requested By:	KEVIN HARVEY **Phone:** 407-676-2529	**Address:**	1 JEFF FUQUA BLVD ORLANDO, FL 32827-4392
E-mail:	KEVINHARVEY@CLANCYTHEYS.COM	**Cross Street:**	
Other Phone:		**Site Contact:**	KEVIN HARVEY **Phone:** 407-676-2529
Billing Address:	2250 SHIPYARD BLVD SUITE 1 WILMINGTON, NC 28403	**Site E-mail:**	KEVINHARVEY@CLANCYTHEYS.COM
		Customer Ref #:	

Expected Install Date	Payment Terms	Prevailing Wage	Job Type
Mon. May 18, 2026	N30	No	Construction

Quantity	UOM	Description	Rental Term (up to)	Unit Price	Amount
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Total: $8,914.16

Subtotal:	$8,386.00	Sales Tax:	$528.16	Grand Total:	$8,914.16

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Customer's Signature: _____ **Date:** _____

Print Customer Name: _____ **PO #** _____

NOTE: Installation CANNOT be confirmed until quote is signed and returned. This bid expires in 14 days.

Date of Quote	Quote Number	Quote Prepared By	Email Address	Fax Signed Quote to
Thu. Mar 12, 2026	420553	EJIMENEZ	EJIMENEZ@RENTNATIONAL.COM	

SHERWIN-WILLIAMS

Orlando International Airport

Product Submittal

V-01109 Terminals A&B Vertical Surfaces & Ceiling Painting

PERCOPO COATINGS COMPANY

Presented By:
Anthony Monteleone
Commercial Sales Representative

+1 (407) 468-9674
Anthony.J.Monteleone@sherwin.com

SHERWIN-WILLIAMS
9603 SATELLITE BLVD
ORLANDO, FL 32837 8475
(407) 816-7021

April 09, 2026

SHERWIN-WILLIAMS.

Product Submittal

Project: V-01109 Terminals A&B Vertical Surfaces & Ceiling Painting
1 Jeff Fuqua Boulevard, Orlando, FL, 32827

Customer: PERCOPO COATINGS COMPANY
421 GOLD MEDAL CT, LONGWOOD, FL, 327503455

Dear Mike,

Thank you for considering Sherwin-Williams products for the V-01109 Terminals A&B Vertical Surfaces & Ceiling Painting project. Included in this package is the Sherwin-Williams submittal for the above referenced project.

Should you require assistance or have any questions or concerns, please contact me at +1 (407) 468-9674 or e-mail me at Anthony.J.Monteleone@sherwin.com.

Anthony Monteleone
Commercial Sales Representative

+1 (407) 468-9674
Anthony.J.Monteleone@sherwin.com

SHERWIN-WILLIAMS
9603 SATELLITE BLVD, ORLANDO, FL 32837 8475

Exterior Finishes

Precast Ceilings & Previously Painted Stucco Walls

2 Coats: K32W00251 - Duration® Coating Exterior Latex Flat

Conduit & Rusted Steel Embeds

Preparation: Standard Machine Prep for Rust/Corrosion

Primer: B66W01310 - Pro Industrial Pro-Cryl® Universal Primer

2 Coats: K32W00251 - Duration® Coating Exterior Latex Flat

Concrete Benches

Preparation: Pressure wash/degrease to remove dirt and contaminants

Primer: B58W00610 - Macropoxy® 646 Fast Cure Epoxy

Finish: B65W01121 - Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss

SHERWIN-WILLIAMS®

Reference Pages

Data Pages

102.06B

Duration®

Exterior Acrylic Flat

K32-Series

CHARACTERISTICS

Duration® Exterior Latex Coating is the result of advances in acrylic technology. **Duration** uses PermaLast® technology to provide you with the most durable and longest lasting coating available for protecting the outside of your home.

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

- Self-priming One Coat Protection
- Low temperature application down to 35° F.
- Easy application
- Excellent durability and hiding
- Resists Blistering and Peeling

Color: Most Colors

Coverage: 250-300 sq. ft. per gallon @ 5.3-6.4 mils wet, 2.2-2.7 mils dry, up to 7.0 mils wet: 3.0 mils dry

Drying Time, @ 50% RH:

	@35-45°F	@45°F+
Touch:	2 Hours	1 Hour
Recoat:	24-48 Hours	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 0-5 units @ 85°

Tinting with CCE only:

Base:	oz. per gallon	Strength
Ultrawhite	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-14	SherColor
Ultradeep Base	10-14	SherColor
Light Yellow	4-14	SherColor

Extra White K32W00251
(may vary by color)

V.O.C.(less exempt solvents):
Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	42 ±2%
Weight Solids:	58 ±2%
Weight per Gallon:	11.45 lbs
Flash Point:	N.A.
Vehicle Type:	Acrylic
Shelf Life:	36 months, unopened
WVP Perms (US)	20.86 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 03/02/2026, Complies with :

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARBSCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N/A
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	#10

APPLICATION

When the air temperature is at 35°F (1.7°C), substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F (1.7°C) and at least 5° above the dew point. Avoid using if rain or snow is expected within 2-3 hours.
Do not apply at air or surface temperatures below 35°F (1.7°C) or when air or surface temperatures may drop below 35°F (1.7°C) within 48 hours.

No reduction needed.

Brush:
Use a nylon-polyester brush such as Purdy® Pro-Extra.

Roller:
Use a high quality 3/8-3/4 inch nap synthetic roller cover such as Purdy® Marathon®

For additional specific brushes and roller cover recommendations, please refer to our Brush and Roller Guide on the Sherwin-Williams website.

Spray - Airless:

Pressure	2000 p.s.i.
Tip	.015-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Thoroughly follow the recommended surface preparations. Most coating failures are due to inadequate surface preparation or application. Thorough surface preparation will help provide long term protection with **Duration** coating. On repaint work, apply one coat of **Duration** coating: on bare surfaces, apply two coats of **Duration**, allowing 4 hours drying between coats.

Do not paint in direct sun. Apply at temperatures above 35°F. During application at temperatures above 80°F, **Duration** sets up quickly. Some adjustment in your painting approach may be required. Paint from a dry area into the adjoining wet coating area. Dries to touch in 1 hour and is ready for service overnight.

On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

SPECIFICATIONS

Duration Exterior Acrylic Latex is self-priming on most surfaces. Apply 2 coats on new, bare substrates or 1 coat for repaint.

Use on these properly prepared surfaces:
Aluminum & Aluminum Siding[1]

Galvanized Steel[1]

Concrete Block

Split face Block

Cement Composition Siding/Panels

Stucco

Concrete

Plywood

Wood

***Vinyl Siding**

Surfaces with a pH greater than 9 must be primed with a high pH-resistant coating such as Loxon Concrete & Masonry Primer.

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application limitations.

Concrete masonry units (CMU) - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, the first coat of **DURATION** may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using **DURATION.**

[1] On large expanses of metal siding, the air, surface, and material temperatures must be 50°F (10°C) or higher.

continued on back

Duration®
Exterior Acrylic Flat

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:
Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding/Panels:
Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer. After power washing, previously painted masonry may still have a powdery surface that should be sealed with Loxon Conditioner and then apply 1 coat of **Duration**.

Caulking:
Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface. Allow proper drying tine before application of the finish.

Concrete, Masonry, Cement, Block:
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.

Concrete masonry units (CMU):
Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Composition Board/Hardboard:
Because of the potential for wax bleeding out of the substrate, apply 1 coat of Exterior Oil-Based Wood Primer and then topcoat.

Stucco:
Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:
Clean mildew from the Surface: Mildew is a fungus that looks like dirt but won't wash off. Mildew must be removed before painting, or it will grow through any new coat of paint. To remove mildew or suspected mildew, scrub surface before painting with a commercial mildew remover following manufacturer's safety instructions.

Previously Painted Surfaces:
Spot prime bare areas with **Duration**, wait 4 hours, and paint the entire surface. Some specific surfaces require specialized treatment.

Steel:
Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed with a corrosion resistant primer such as All Surface Enamel Primer the same day as cleaned.

Unpainted Surfaces:
Duration can be used as a self-priming coating on many bare surfaces. When used this way, the first coat of **Duration** acts like a coat of primer and the second coat provides the final appearance and performance.

***Vinyl or other PVC Building Products:**
Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly. If needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed.
Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, the first coat of **Duration** may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using **Duration.**

CAUTIONS

For exterior use only.
Protect from freezing.
Non-Photochemically reactive.
Not for use on floors

Before using, carefully read **CAUTIONS on label**.

CRYSTALLINE SILICA, ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE**. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 03/02/2026 K32W00251 39 46
SP, FR

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS

Pro Industrial™ Pro-Cryl®

Universal Primer

B66-1300 Series

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self-cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high-performance topcoats.

Features:

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 35°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, Wood

Finish: Low Sheen

Color: Off White, Medium Grey, and Red Oxide

Recommended Spreading Rate per coat:

Wet mils:	5.0-10.0
Dry mils:	1.9-3.8
Coverage:	160-320 sq. ft. per gallon
Theoretical Coverage:	609 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:
Drying and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

Tinting: **DO NOT TINT**

Extra White B66W01310
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	38 ±2%
Weight Solids:	50 ±2%
Weight per Gallon:	10.09 lbs
Flash Point:	N/A
Shelf Life:	36 months, unopened

COMPLIANCE

As of 2/05/2026, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	#107, 107 X-Green™, 134

APPLICATION

Temperature:

minimum	35°F / 1.6°C
maximum	120°F / 48.8°C
	air, surface and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water
Airless Spray:	
Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015-.019 inch
Filter	60 mesh
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	60 p.s.i.
Fluid Pressure	25 p.s.i.
Reduction:	As needed up to 5% by volume
Brush:	Nylon-polyester, such as Purdy® XL®
Roller Cover:	3/8 inch woven, such as Contractor Series® Soft Woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

No painting should be done immediately after a rain or during foggy weather.

For optimal performance, this primer should be topcoated.

For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

SPECIFICATIONS

Acceptable Water Based topcoats:
1-2 coats Pro Industrial Acrylic Coating or
Pro Industrial Acrylic Dryfall
Pro Industrial DTM Acrylic
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy
Pro Industrial Pre-Catalyzed Urethane
Pro Industrial Water Based Acrolon 100
Pro Industrial Water Based Alkyd Urethane
Pro Industrial Water Based Catalyzed Epoxy
Sherwin-Williams Architectural Coatings

Acceptable Solvent Based topcoats:
Pro Industrial High Performance Epoxy
Pro Industrial Industrial Enamels
Tile Clad HS Epoxy

The finishes listed above are representative of the product's use. Other finishes may be appropriate.

continued on back

Pro Industrial™ Pro-Cryl®
Universal Primer

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned. Self priming.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Mildew-
Clean mildew from the Surface: Mildew is a fungus that looks like dirt but won't wash off. Mildew must be removed before painting, or it will grow through any new coat of paint. To remove mildew or suspected mildew, scrub surface before painting with a commercial mildew remover following manufacturer's safety instructions.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 1 coat Pro Industrial Pro-Cryl Off White
1 coat Pro Industrial Acrylic Coating

Adhesion:
Method: ASTM D4541
Result: 500 p.s.i.

Corrosion Weathering:
Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 140 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 180° bend, ½ inch mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: B

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Provides performance comparable to products formulated In Lieu of federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS

Protective & Marine Coatings
PRODUCT DATA SHEET

MACROPOXY® 646
FAST CURE EPOXY MASTIC

Revised: June 11, 2025

PRODUCT DESCRIPTION

MACROPOXY 646 Fast Cure Epoxy Mastic is a high solids, high build, fast drying, polyamide epoxy designed to protect steel and concrete in industrial exposures. Ideal for maintenance painting and fabrication shop applications. The high solids content ensures adequate protection of sharp edges, corners, and welds. This product can be applied directly to marginally prepared steel surfaces.

INTENDED USES

- Recommended for marine applications, refineries, offshore platforms, fabrication shops, chemical plants, tank exteriors, power plants, water treatment plants, and mining and minerals industry
- Factory ground formulas are available for subsea/immersion service. For a full list of shades please consult Sherwin-Williams

PRODUCT DATA

Finish: Semi-Gloss

Colors: Mill White, Black and a wide range of colors available through tinting

Volume Solids: 72% ± 2%, mixed, Mill White

VOC (mixed): <250 g/L; 2.08 lb/gal

Mix Ratio: 1:1 by volume

Typical Thickness:

Recommended Spreading Rate per coat:

	Minimum		Maximum	
Wet mils (microns)	**7.0**	(175)	**13.5**	(338)
Dry mils (microns)	**5.0***	(125)	**10.0**	(250)
~Coverage sq ft/gal (m^2/L)	**115**	(2.9)	**230**	(5.8)
Theoretical coverage **sq ft/gal** (m^2/L) @ 1 mil / 25 microns dft	**1152**	(28.2)		

*May be applied at 3.0-10.0 mils (75-250 microns) dft as an intermediate in a multicoat system.

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Shelf Life: 36 months, unopened
Store indoors at 40°F (4.5°C) to 110°F (43°C).

Flash Point: 91°F (33°C), TCC, mixed

Reducer/Clean Up[1]: VOC Restricted Areas (<250 g/L): use Reducer #111 or Oxsol 100

Weight: 12.9 ± 0.2 lb/gal ; 1.55 Kg/L, mixed, may vary by color

[1]Other areas (<340 g/L): use Reducer #111, Oxsol 100, Reducer #15, Reducer #58, or MEK up to 10%. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

Average Drying Times @ 7.0 mils (175 microns) wet:

	35°F (1.7°C) *50% RH*	77°F (25°C) *50% RH*	100°F (38°C) *50% RH*
Touch:	4-5 hours	2 hours	1.5 hours
Handle:	48 hours	8 hours	4.5 hours
Recoat:			
minimum:	48 hours	8 hours	4.5 hours
maximum:	1 year	1 year	1 year
Cure to service:			
atmospheric:	10 days	7 days	4 days
immersion:	14 days	7 days	4 days

Average Drying Times as intermediate @ 5.0 mils (125 microns) wet:

Touch:	3 hours	1 hour	1 hour
Handle:	48 hours	4 hours	2 hours
Recoat:			
minimum:	16 hours	4 hours	2 hours
maximum:	1 year	1 year	1 year

If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.
Paint temperature must be 40°F (4.5°C) minimum.

Pot Life:	10 hours	4 hours	2 hours
Sweat-in-time:	30 minutes	30 minutes	15 minutes

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Iron & Steel:	Atmospheric: SSPC-SP2/3/ ISO8501-1:2007 St 2 or SSPC-SP WJ-3 / NACE WJ-3L Immersion: SSPC-SP10 / NACE 2/ ISO8501-1:2007 Sa 2.5, 2-3 mil (50-75 micron) profile or SSPC-SP WJ-2/NACE WJ-2L
Stainless Steel:	Atmospheric: SSPC-SP16, 1 mil (25 micron) profile
Aluminum & Galvanizing:	SSPC-SP1. If surface has not be weathered for more than 6 months, follow SSPC-SP1 then SSPC-SP16. For fire proofing projects, consult a Sherwin-Williams representative for surface preparation requirements.
Concrete & Masonry:	Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R CSP 1-3 Immersion: SSPC-SP13/NACE 6-4.3.1
Ductile Iron Pipe:	Atmospheric: NAPF 500-03-03 Power Tool Cleaning Buried & Immersion: NAPF 500-03-04 Abrasive Blast Cleaning Cast Ductile Iron Fittings: NAPF 500-03-05 Abrasive Blast Cleaning

Protective & Marine Coatings
PRODUCT DATA SHEET

MACROPOXY® 646
FAST CURE EPOXY MASTIC

APPLICATION

Airless Spray*
Pump 30:1
Pressure ..... 2800-3000 psi (193-206 bar)
Hose ..... 1/4" ID (6.3 mm)
Tip ..... .017"-.023" (0.43-0.58 mm)
Filter ..... 60 mesh
Reduction ..... As needed up to 10% by volume

Conventional Spray*
Gun ..... DeVilbiss MBC-510
Fluid Tip ..... E
Air Nozzle 704
Atomization Pressure ..... 60-65 psi (4.1-4.5 bar)
Fluid Pressure ..... 10-20 psi (0.7-1.4 bar)

Brush*
Brush ..... Nylon/Polyester or Natural Bristle

Roller*
Cover ..... 3/8" woven with solvent resistant core

Plural Component Spray .... Acceptable

*Reduction[1] ..... VOC Restricted Areas (<250 g/L): use Reducer #111 or Oxsol 100

[1]Other areas (<340 g/L): use Reducer #111, Oxsol 100, or Reducer #15 up to 10%. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

If specific application equipment is not listed above, equivalent equipment may be substituted.

RECOMMENDED SYSTEMS

Dry Film Thickness / ct.		Mils	(Microns)
Steel & Ductile Iron, Immersion & Atmospheric			
2 Cts.	Macropoxy 646	5.0-10.0	(125-250)
Steel, Organic Zinc Primer, Atmospheric			
1 Ct.	Zinc Clad IV (85)	3.0-5.0	(75-125)
1 Ct.	Macropoxy 646	5.0-10.0	(125-250)
Steel, Inorganic Zinc Primer, Atmospheric			
1 Ct.	Zinc Clad II (85)	2.0-4.0	(50-100)
1 Ct.	Macropoxy 646	5.0-10.0	(125-250)
Steel, Organic Zinc/Epoxy/Urethane Topcoat			
1 Ct.	Zinc Clad IV (85)	3.0-5.0	(75-125)
1 Ct.	Macropoxy 646	3.0-10.0	(75-250)
1 Ct.	Acrolon 7300	2.0-4.0	(50-100)
Steel, Inorganic Zinc/Epoxy/Urethane Topcoat			
1 Ct.	Zinc Clad II (85)	2.0-4.0	(50-100)
1 Ct.	Macropoxy 646	3.0-10.0	(75-250)
1 Ct.	Acrolon 7300	2.0-4.0	(50-100)
Steel, Organic Zinc/Epoxy/Polysiloxane Topcoat, Atmospheric			
1 Ct.	Zinc Clad IV (85)	3.0-5.0	(75-125)
1 Ct.	Macropoxy 646	3.0-10.0	(75-250)
1-2 Cts.	Sher-Loxane 800	4.0-6.0	(100-150)
Steel: Norsok M501 System 7B/Subsea			
2 Cts.	Macropoxy 646	7.0	(175)
Concrete/Masonry, Smooth, Immersion & Atmospheric			
2 Cts.	Macropoxy 646	5.0-10.0	(125-250)

The systems listed above are representative of the product's use, other systems may be appropriate.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

APPLICATION CONDITIONS

Temperature:
Air: 35°F (1.7°C) minimum, 120°F (49°C) maximum
Surface*: 35°F (1.7°C) minimum, 250°F (120°C) maximum
Material: 40°F (4.5°C) minimum
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

*Application to surfaces above 120°F (49°C) is not recommended in VOC Restricted Areas (≤250 g/L). When spraying a surface above 120°F (49°C) in other areas (>250 g/L), please consult with your Sherwin-Williams representative.

APPROVALS

- Suitable for use in USDA inspected facilities
- Acceptable for use in Canadian Food Processing facilities, categories: D1, D2, D3 (Confirm acceptance of specific part numbers/rexes with your SW Sales Representative)
- Conforms to AWWA D102 OCS #5
- Conforms to MPI # 108
- This product meets specific design requirements for non-safety related nuclear plant applications in Level II, III and Balance of Plant, and DOE nuclear facilities
- Meets Class A requirements for Slip Coefficient, 0.36 @ 6 mils / 150 microns dft (Mill White only)
- Approved intermediate for NEPCOAT System B
- Approved to Norsok M501 system 7B (limited colors)
- ISO 12944:2018 approved for C2 to CX
- NSF Certified Environmental Product Declaration (EPD) available on Ecomedes

ADDITIONAL NOTES

Tint Part A with GIC colorants at 150% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Tinting is not recommended for immersion service.

Can be used as a metalizing sealer. Consult your Sherwin-Williams Representative regarding Product Bullentin: "Sealers for Thermal Spray Metalizing".

Quick-Kick Epoxy Accelerator is acceptable for use. See data page for details.

Acceptable for concrete floors.

Application to surfaces above 120°F (49°C) is not recommended in VOC Restricted Areas (≤250 g/L). When spraying a surface above 120°F (49°C) in other areas (>250 g/L), please consult with your Sherwin-Williams representative. Spray apply only. Product will produce an orange peel appearance when applied at elevated temperatures.

Topcoating: It is recommended to apply a thinned-down, low wet film thickness mist coat over zinc rich primers to help avoid outgassing. Allow it to tack up and seal the surface. Then apply a full wet film thickness coat as directed.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine one part by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated prior to application. Re-stir before using.

HEALTH AND SAFETY

Refer to the SDS sheet before use.
Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.

Pro Industrial™

Pre-Catalyzed Waterbased Urethane

B65–1100 Series

CHARACTERISTICS

Pro Industrial Pre-Cat Waterbased Urethane is a single component, high performance, interior or exterior water based acrylic polyurethane. It provides toughness, flexibility, abrasion resistance, and excellent UV resistance. Exterior performance comparable to two component water based urethanes.

Features:

- Excellent UV resistance
- Excellent gloss and color retention
- Easy application and cleanup
- Abrasion resistant
- Suitable for use in USDA inspected facilities

For use on properly prepared: Steel, Galvanized & Aluminum Concrete and Masonry, Drywall

Finish: 70° + units @ 60° Gloss

Colors: Most Colors

Recommended Spreading Rate per coat:

Wet mils:	6.0-12.0
Dry mils:	2.2-4.4
Coverage:	134-267 sq. ft. per gallon
Theoretical Coverage:	593 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Apply paint at the recommended film thickness and spreading rate. Application of coating below minimum recommended spreading rate will adversely affect coating performance.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH: Drying and recoat times are temperature, humidity, and film thickness dependent.

		@77°F
To Touch:		1 Hour
To Recoat:	min	8 Hours
To Recoat:	max	30 Days
To Cure:		3 Days

Tinting with CCE Only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Deep Base	8-12	SherColor
Ultradeep Base	8-12	SherColor

Extra White B65W01121
(may vary by color)

V.O.C. (less exempt solvents): As Mixed
77 grams per litre; 0.65 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	37 ±2%
Weight Solids:	47 ±2%
Weight per Gallon:	9.76 lbs
Flash Point:	N/A
Vehicle Type:	Acrylic Polyurethane
Shelf Life:	36 months, bases

COMPLIANCE

As of 12/23/2024, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions (CDPH V1.2 B65W01121)	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	Yes
MPI®	Yes, #154

APPLICATION

Temperature:

minimum	50°F / 10°C
maximum	120°F / 44.4°C
	air, surface and material
	At least 5°F / -15°C above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure	1500-1800 p.s.i.
Hose	1/4 inch I.D.
Tip	.015-.019 inch
Filter	60 mesh
Reduction:	As needed up to 5% by volume

Brush: Nylon-polyester such as Purdy® Clearcut® Elite™
Roller Cover: 3/8 inch woven such as Purdy Marathon®

If specific application equipment is listed above, equivalent equipment may be substituted. Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

When using spray equipment, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Apply coating evenly while maintaining a wet edge to prevent lapping.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

No painting should be done immediately after a rain or during foggy weather.

Check adhesion by applying a test strip to determine the readiness for painting.

SPECIFICATIONS

Steel:
1 coat Pro Industrial Pro-Cryl Primer
Or Pro Industrial Kem Bond HS Primer
2 coats Pro Industrial Pre-Cat Urethane

Aluminum & Galvanizing:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Pre-Cat Urethane

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Block Filler
Or Loxon Acrylic Block Surfacer
2 coats Pro Industrial Pre-Cat Urethane

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Pre-Cat Urethane

Wood – Exterior:
1 coat Exterior Wood Primer
2 coats Pro Industrial Pre-Cat Urethane

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

continued on back

Pro Industrial™

Pre-Catalyzed Waterbased Urethane

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel – Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, Commercial Blast Cleaning per SSPC-SP6. Primer recommended best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide, and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Extra White B65W01121

System Tested: (unless otherwise indicated)

Substrate:	**Steel**
Surface Preparation:	**SSPC-SP10**

Finish: 1 coat Pro Industrial Pro-Cryl Primer @ 2.3 mils D.F.T.
2 coats Pro Industrial Pre-Cat Urethane @ 2.2 mils D.F.T. per coat

Abrasion Resistance:	
Method:	ASTM D4060, CS17 wheel, 1000 cycles, 500 g load
Result:	15.3 mg loss
Adhesion:	
Method:	ASTM D4541
Result:	1457 p.s.i.
Scrub Resistance:	
Method: based on:	ASTM D2486
Result:	4000 cycles, no shim
Dry Heat Resistance:	
Method:	ASTM D2485
Result:	250°F
Flexibility:	
Method:	ASTM D522, 1/8 inch mandrel
Result:	Pass
Accelerated Weathering QUV:	
Method:	ASTM D4587, QUV-A, 3,000 hours
Result:	Pass
Pencil Hardness:	
Method:	ASTM D3363
Result:	HB

Chemical Resistance Rating:
(1 hour direct exposure to dry film)

10% Acetic Acid	Excellent
10% Sulfuric Acid	Excellent
Ethanol	Excellent
10% Sodium Hydroxide & MEK	Slight color change
Motor Oil 10W30	Excellent
Water	Excellent

Direct Impact Resistance:	
Method:	ASTM D2794
Result:	greater than 176 inch lb.
WVP Perms (US):	
Method:	ASTM D1653, grains/(hr ft2 in Hg)
Result:	26.00 perms

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

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CLEANUP INFORMATION

Clean spills, spatters, hands, and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 12/23/2024 B65W01121 13 77
FRC, SP

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Environmental Data Sheets

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jan 8, 2026

39 00 [3205]

PRODUCT NUMBER

K32W251

PRODUCT NAME

DURATION® Exterior Acrylic Latex Flat, Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED and rely on information provided to us by our raw material suppliers. Our suppliers often provide an estimated value or range less than a certain upper limit. We calculate MAXIMUM THEORETICAL VALUES using defined values, if provided, or the upper limit reported by our supplier. Additionally, the suppliers' information may include amounts present in the product as unintentional byproducts or impurities. Variations may occur in individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

K32W251 = | Acute | Chronic |

Product Weight	Specific Gravity	FLASH POINT
11.45 lb/gal	1.38	N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Water **7732-18-5**	N	N	N	40	56

Regulated Compounds

	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Zinc (as Zn)	N	Y	N	3	

Volatile Organic Compounds - U.S. EPA / Canada

	K32W251	
	LB/Gal	**g/L**
Coating Density	11.45	1371
	By wt	**By vol**
Total Volatiles	42.0%	58.5%
Federally exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.03**

Volatile Organic Compounds - California

	K32W251	
	LB/Gal	**g/L**
Coating Density	11.45	1371
	By wt	**By vol**
Total Volatiles	42.0%	58.5%
Exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.03**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	K32W251	
	LB/Gal	g/L
Coating Density	11.45	1371
	By wt	By vol
Total Volatiles	42.0%	58.5%
Exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	LB/Gal	g/L
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	K32W251	
	By wt	By vol
Total Volatiles	41.4%	57.6%
VOC Content	LB/Gal	g/L
Total	0.10	12

Volatile Organic Compounds - EU Directive 2010/75/EU

	K32W251	
	By wt	By vol
Total Volatiles	41.4%	57.6%
VOC Content	LB/Gal	g/L
Total	0.10	11

Volatile Organic Compounds - Mexico

	K32W251	
	LB/Gal	g/L
Coating Density	11.45	1371
	By wt	By vol
Total Volatiles	42.0%	58.5%
Exempt solvents		
Water	40.4%	55.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	58.0%	41.5%
VOC Content	LB/Gal	g/L
Total	0.17	20
Less exempt solvents	0.38	46
Of solids	0.40	49
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	K32W251	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

8.31 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

The addition of any material to this product can change the composition, hazards and risks of the product and may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Feb 7, 2026

13 00 [0386]

PRODUCT NUMBER

B66W1310

PRODUCT NAME

PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer, Off White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B66W1310 = | Acute | Chronic |

Product Weight	Specific Gravity	FLASH POINT
10.09 lb/gal	1.21	N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Water **7732-18-5**	N	N	N	49	59

Volatile Organic Compounds - U.S. EPA / Canada

	B66W1310	
	LB/Gal	**g/L**
Coating Density	10.09	1209
	By wt	**By vol**
Total Volatiles	50.4%	61.5%
Federally exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.3%	1.8%
Percent Non-Volatile	49.6%	38.5%
VOC Content	**LB/Gal**	**g/L**
Total	0.13	15
Less exempt solvents	0.32	39
Of solids	0.34	41
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.4%	61.5%
Exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.6%	38.5%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.34	41
Of solids	0.36	44
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.4%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.4%	61.5%
Exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.6%	38.5%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.34	41
Of solids	0.36	44
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B66W1310	
	By wt	By vol
Total Volatiles	50.4%	61.4%
VOC Content	LB/Gal	g/L
Total	0.13	16

Volatile Organic Compounds - EU Directive 2010/75/EU

	B66W1310	
	By wt	By vol
Total Volatiles	49.4%	60.2%
VOC Content	LB/Gal	g/L
Total	0.03	4

Volatile Organic Compounds - Mexico

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.4%	61.5%
Exempt solvents		
Water	48.9%	59.3%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.6%	38.5%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.34	41
Of solids	0.36	44
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B66W1310	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.22 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Apr 19, 2024

31 00 [2843]

PRODUCT NUMBER

B58W610

PRODUCT NAME

MACROPOXY® 646 Fast Cure Epoxy (Part A), Mill White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B58W610 = | Acute | Chronic | Fire |

Product Weight	Specific Gravity	FLASH POINT
12.19 lb/gal	1.47	85 °F PMCC

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Ethylbenzene **100-41-4**	N	Y	Y	Y	3	4
Xylene **1330-20-7**	N	Y	Y	Y	15	25

Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Mercury (as Hg)	N	N	Y	N	0.000005	
Lead (as Pb)	N	N	Y	N	0.0001	

Volatile Organic Compounds - U.S. EPA / Canada

	B58W610	
	LB/Gal	**g/L**
Coating Density	12.19	1460
	By wt	**By vol**
Total Volatiles	17.4%	29.7%
Federally exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	**LB/Gal**	**g/L**
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg
	By wt	
By wt LVP-VOC	17.4%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **1.19**

Volatile Organic Compounds - California

	B58W610	
	LB/Gal	**g/L**
Coating Density	12.19	1460
	By wt	**By vol**
Total Volatiles	17.4%	29.7%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	**LB/Gal**	**g/L**
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg
	By wt	
By wt LVP-VOC	17.4%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **1.20**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B58W610	
	LB/Gal	g/L
Coating Density	12.19	1460
	By wt	By vol
Total Volatiles	17.4%	29.7%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	LB/Gal	g/L
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B58W610	
	By wt	By vol
Total Volatiles	17.4%	29.7%
VOC Content	LB/Gal	g/L
Total	2.11	253

Volatile Organic Compounds - EU Directive 2010/75/EU

	B58W610	
	By wt	By vol
Total Volatiles	17.4%	29.7%
VOC Content	LB/Gal	g/L
Total	2.11	253

Volatile Organic Compounds - Mexico

	B58W610	
	LB/Gal	g/L
Coating Density	12.19	1460
	By wt	By vol
Total Volatiles	17.4%	29.7%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	17.4%	29.7%
Percent Non-Volatile	82.6%	70.3%
VOC Content	LB/Gal	g/L
Total	2.11	253
Less exempt solvents	2.11	253
Of solids	3.01	361
Of solids	0.21 lb/lb	0.21 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B58W610	
	LB/Gal	kg/L
Volatile HAPS	2.11	0.253
Of solids	3.00	0.360
Of solids	0.20 lb/lb	0.20 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.12 lb/gal

Photochemically Reactive

Yes

Waste Disposal

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

The addition of any material to this product can change the composition, hazards and risks of the product and may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Nov 16, 2025

18 00 [3205]

PRODUCT NUMBER

B65W1121

PRODUCT NAME

PRO INDUSTRIAL™ Pre-Catalyzed Waterbased Urethane, Gloss Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B65W1121 = | Acute | Chronic |

Product Weight	Specific Gravity	FLASH POINT
9.76 lb/gal	1.17	N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Trimethylpentanediol Isobutyrate **25265-77-4**	N	N	N	2	3
Water **7732-18-5**	N	N	N	50	59

Volatile Organic Compounds - U.S. EPA / Canada

	B65W1121	
	LB/Gal	**g/L**
Coating Density	9.76	1169
	By wt	**By vol**
Total Volatiles	53.1%	62.9%
Federally exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	**LB/Gal**	**g/L**
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg
	By wt	
By wt LVP-VOC	0.2%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.05**

Volatile Organic Compounds - California

	B65W1121	
	LB/Gal	g/L
Coating Density	9.76	1169
	By wt	By vol
Total Volatiles	53.1%	62.9%
Exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	LB/Gal	g/L
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg
	By wt	
By wt LVP-VOC	0.2%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.03**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B65W1121	
	LB/Gal	g/L
Coating Density	9.76	1169
	By wt	By vol
Total Volatiles	53.1%	62.9%
Exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	LB/Gal	g/L
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B65W1121	
	By wt	By vol
Total Volatiles	50.9%	60.1%
VOC Content	LB/Gal	g/L
Total	0.04	5

Volatile Organic Compounds - EU Directive 2010/75/EU

	B65W1121	
	By wt	By vol
Total Volatiles	50.9%	60.1%
VOC Content	LB/Gal	g/L
Total	0.04	5

Volatile Organic Compounds - Mexico

	B65W1121	
	LB/Gal	g/L
Coating Density	9.76	1169
	By wt	By vol
Total Volatiles	53.1%	62.9%
Exempt solvents		
Water	50.4%	59.4%
Organic Volatiles	2.7%	3.4%
Percent Non-Volatile	46.9%	37.1%
VOC Content	LB/Gal	g/L
Total	0.26	31
Less exempt solvents	0.65	77
Of solids	0.71	85
Of solids	0.05 lb/lb	0.05 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B65W1121	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.83 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

The addition of any material to this product can change the composition, hazards and risks of the product and may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Safety Data Sheets

SAFETY DATA SHEET

According to 29 CFR 1910.1200

K32W251

Section 1. Identification

Product name : DURATION® Exterior Acrylic Latex Flat
Extra White

Product code : K32W251

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
TOXIC TO REPRODUCTION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 1.2% (oral), 1.2% (dermal), 1.2% (inhalation)

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : May cause an allergic skin reaction.
May cause cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure. (respiratory tract)

Precautionary statements

General : Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Section 2. Hazards identification

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥10 - ≤25	13463-67-7
Zinc Oxide	≤5	1314-13-2
Cristobalite, respirable powder	≤3	14464-46-1
Heavy Paraffinic Oil	≤0.3	64742-65-0
Attapulgite Clay	≤0.3	12174-11-7
Bis(pentamethyl-4-piperidyl)sebacate	≤0.3	41556-26-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Section 4. First aid measures

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	**ACGIH TLV (United States, 1/2024)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Zinc Oxide	1314-13-2	**ACGIH TLV (United States, 1/2024)** TWA 8 hours: 2 mg/m³. Form: Respirable fraction. STEL 15 minutes: 10 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 5 mg/m³. Form: Dust and fumes. STEL 15 minutes: 10 mg/m³. Form: Fume. CEIL: 15 mg/m³. Form: Dust. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust. TWA 8 hours: 5 mg/m³. Form: Respirable fraction. TWA 8 hours: 5 mg/m³. Form: Fume.
Cristobalite, respirable powder	14464-46-1	**ACGIH TLV (United States, 1/2024) [Silica, crystalline]** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction.

Section 8. Exposure controls/personal protection

		NIOSH REL (United States, 10/2020) [SILICA, CRYSTALLINE] NIA. TWA 10 hours: 0.05 mg/m³. Form: respirable dust. **OSHA PEL (United States, 5/2018) [Silica, crystalline]** TWA 8 hours: 50 µg/m³. Form: Respirable dust. **OSHA PEL Z3 (United States, 6/2016)** TWA 8 hours: 250 / 2 x (%SiO_2+5) mppcf. Form: Respirable. TWA 8 hours: 10 / 2 x (%SiO_2+2) mg/m³. Form: Respirable. TWA 8 hours: 30 / 2 x (%SiO_2+2) mg/m³. Form: Total dust.
Heavy Paraffinic Oil	64742-65-0	**ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. **NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]** TWA 10 hours: 5 mg/m³. Form: Mist. STEL 15 minutes: 10 mg/m³. Form: Mist. **OSHA PEL (United States, 5/2018) [Oil mist, mineral]** TWA 8 hours: 5 mg/m³.
Attapulgite Clay	12174-11-7	None.
Bis(pentamethyl-4-piperidyl)sebacate	41556-26-7	None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Zinc Oxide	1314-13-2	**CA Saskatchewan Provincial (Canada, 4/2021)** STEL 15 minutes: 10 mg/m³. Form: respirable dust and fume. TWA 8 hours: 2 mg/m³. Form: respirable dust and fume. **CA British Columbia Provincial (Canada, 9/2024)** TWA 8 hours: 2 mg/m³. Form: Respirable. STEL 15 minutes: 10 mg/m³. Form: Respirable. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 2 mg/m³. Form: Respirable particulate matter.. STEL 15 minutes: 10 mg/m³. Form: Respirable particulate matter.. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 2 mg/m³. Form: respirable aerosol fraction. STEV 15 minutes: 10 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 2 mg/m³. Form: Respirable. OEL 15 minutes: 10 mg/m³. Form: Respirable.

Section 8. Exposure controls/personal protection

Cristobalite	14464-46-1	**CA Saskatchewan Provincial (Canada, 4/2021)** TWA 8 hours: 0.05 mg/m³. Form: respirable fraction. **CA British Columbia Provincial (Canada, 9/2024) [silica, crystalline - alpha quartz and cristobalite]** Carc 2A, Carc 1. TWA 8 hours: 0.025 mg/m³. Form: Respirable. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 0.05 mg/m³. Form: Respirable particulate matter.. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 0.05 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** A2. OEL 8 hours: 0.025 mg/m³. Form: Respirable particulate.
Fibres-Natural Mineral Fibres, Attapulgite	12174-11-7	**CA Quebec Provincial (Canada, 2/2024) [Attapulgite]** C1. TWAEV 8 hours: 1 fibers/cm³. Form: RESPIRABLE FIBRES (other than respirable asbestos fibres) : Objects, other than respirable asbestos fibres, longer than 5 µm, having a diameter of less than 3 µm and a ratio of length to diameter of more than 3 : 1..

Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
Zinc Oxide	1314-13-2	**NOM-010-STPS-2014 (Mexico, 4/2016)** TWA 8 hours: 2 mg/m³. Form: Respirable fraction. STEL 15 minutes: 10 mg/m³. Form: Respirable fraction.
Cristobalite, respirable powder	14464-46-1	**NOM-010-STPS-2014 (Mexico, 4/2016)** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction.

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 8. Exposure controls/personal protection

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : 9.5

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.37

Section 9. Physical and chemical properties

Density : 1.37 g/cm³

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 1.184 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Heavy Paraffinic Oil	**Rabbit - Dermal - LD50** >5000 mg/kg **Rat - Oral - LD50** >5000 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result

Section 11. Toxicological information

Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I
Zinc Oxide	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
Zinc Oxide	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Cristobalite, respirable powder	+	1	Known to be a human carcinogen.
Attapulgite Clay	-	2B	-

Section 11. Toxicological information

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Cristobalite, respirable powder	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

Aspiration hazard

Product/ingredient name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Zinc Oxide	**Acute - LC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: <24 hours 98 µg/l [48 hours] Effect: Mortality **Acute - LC50 - Fresh water** US EPA Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* Weight: 0.78 g 1.1 ppm [96 hours] Effect: Mortality **Acute - IC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* - Exponential growth phase 46 µg/l [72 hours] Effect: Population

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Zinc Oxide	-	28960	High

Mobility in soil

Soil/Water partition coefficient : Not available.

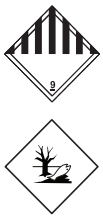
Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	UN3082	UN3082
UN proper shipping name	-	-	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide, Diuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide, Diuron). Marine pollutant (Zinc Oxide)
Transport hazard class(es)	-	-	-	9 	9
Packing group	-	-	-	III	III
Environmental hazards	No.	No.	No.	Yes.	Yes.

Section 14. Transport information

Additional information	-	-	-	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Emergency schedules** F-A, S-F

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

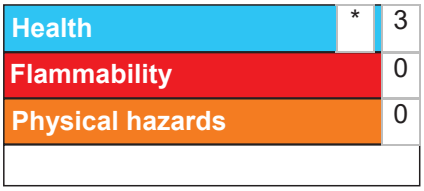
International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.

Section 15. Regulatory information

Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

History

Date of printing : 1/8/2026

Date of issue/Date of revision : 1/8/2026

Date of previous issue : 11/16/2025

Version : 34.01

Key to abbreviations :
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is

Section 16. Other information

responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

According to 29 CFR 1910.1200

B66W1310

Section 1. Identification

Product name : PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer
Off White

Product code : B66W1310

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause cancer.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Section 2. Hazards identification

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.

This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	Identifiers
Calcium Carbonate	≥10 - <20	1317-65-3
Titanium Dioxide	≤10	13463-67-7
Polypropylene glycol alkyl phenyl ether	≤1	9064-13-5
Light Aliphatic Hydrocarbon	≤0.3	64742-47-8
Cristobalite, respirable powder	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Section 4. First aid measures

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS Z	Exposure limits
Calcium Carbonate	1317-65-3	**NIOSH REL (United States, 10/2020) \calcium carbonate[** TWA 10 hours: 10 mg/m³. Form: Total. TWA 10 hours: 5 mg/m³. Form: Respirable fraction. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust. TWA 8 hours: 5 mg/m³. Form: Respirable fraction.
Titanium Dioxide	13463-67-7	**ACGIH TL] (United States, 1/2025)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Polypropylene glycol alkyl phenyl ether	9064-13-5	None.
Light Aliphatic Hydrocarbon	64742-47-8	**ACGIH TL] (United States, 1/2025) \# erosene[** A3. Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapor).
Cristobalite, respirable powder	14464-46-1	**ACGIH TL] (United States, 1/2025) \Silica, crystalline[** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020) \SILICA, CRYSTALLINE[** NIA. TWA 10 hours: 0.05 mg/m³. Form:

Section 8. Exposure controls/personal protection

		respirable dust. **OSHA PEL (United States, 5/2018) \Silica, crystalline[** TWA 8 hours: 50 µg/m³. Form: Respirable dust. **OSHA PEL B3 (United States, 6/2016)** TWA 8 hours: 250 / 2 x (%SiO_2+5) mppcf. Form: Respirable. TWA 8 hours: 10 / 2 x (%SiO_2+2) mg/m³. Form: Respirable. TWA 8 hours: 30 / 2 x (%SiO_2+2) mg/m³. Form: Total dust.

Occupational exposure limits (Canada)

Ingredient name	CAS Z	Exposure limits
Petroleum refining, hydrotreated light distillate	64742-47-8	**CA Qritish Columbia Provincial (Canada, 6/2025) \kerosene/Jet fuels[** Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapour). Notes: Application restricted to conditions in which there are negligible aerosol exposures. **CA Ontario Provincial (Canada, 6/2019)** Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapour). **CA Kuebec Provincial (Canada, 2/2024) \kerosene[** C3. Absorbed through skin. TWAEV 8 hours: 200 mg/m³. **CA Alberta Provincial (Canada, 3/2023) \#erosene/j et fuels[** Absorbed through skin. OEL 8 hours: 200 mg/m³ (as total hydrocarbon vapour).
Cristobalite	14464-46-1	**CA Saskatchewan Provincial (Canada, 4/2021)** TWA 8 hours: 0.05 mg/m³. Form: respirable fraction. **CA Qritish Columbia Provincial (Canada, 6/2025) \silica, crystalline - alpha quartz and cristobalite[** Carc 2A, Carc 1. TWA 8 hours: 0.025 mg/m³. Form: respirable. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 0.05 mg/m³. Form: respirable particulate matter. **CA Kuebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 0.05 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** A2. OEL 8 hours: 0.025 mg/m³. Form: respirable particulate.

Occupational exposure limits (Mexico)

None.

Section 8. Exposure controls/personal protection

Qiological exposure indices (United States)

No exposure indices known.

Qiological exposure indices (Canada)

No exposure indices known.

Qiological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : **This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Qody protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : 9.1

Melting point/freezing point : Not available.

Qoiling point or initial boiling point and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

] apor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.21

Density : 1.2 g/cm³

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

] iscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 1.216 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Section 10. Stability and reactivity

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Conclusion/Summary \Product[: Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I

Conclusion/Summary \Product[: Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary \Product[: Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary \Product[: Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary \Product[: Not available.

Respiratory

Conclusion/Summary \Product[: Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary \Product[: Not available.

Carcinogenicity

Not available.

Section 11. Toxicological information

Conclusion/Summary \Product[: Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide Cristobalite, respirable powder	- +	2B 1	- Known to be a human carcinogen.

Reproductive toxicity

Not available.

Conclusion/Summary \Product[: Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
Calcium Carbonate	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Cristobalite, respirable powder	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

Aspiration hazard

Product/ingredient name	Result
Light Aliphatic Hydrocarbon	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary \Product[: Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Light Aliphatic Hydrocarbon	**Acute - LC50 - Fresh water** Fish - Bluegill - *Lepomis macrochirus* Size: 35 to 75 mm 2200 µg/l [4 days] Effect: Mortality

Conclusion/Summary \Product[: Not available.

Persistence and degradability

Not available.

Conclusion/Summary \Product[: Not available.

Qioaccumulative potential

Not available.

Section 12. Ecological information

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : **This product contains a TSCA regulated chemical. See Section 15 of the US SDS for details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 final significant new use rules**: Sodium Nitrite

List name	Name on list	Notes
TSCA 5(a)2 - Final significant new use rules	Sodium Nitrite (Nitrites of Alkali Metals (Group IA elements))	40 CFR 721.4740

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

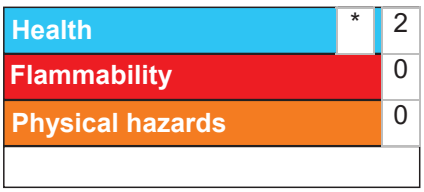
Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
j apan inventory (CSCL): Not determined.
j apan inventory (ISHL): Not determined.
 # orea inventory (# ECI): Not determined.
New Bealand Inventory of Chemicals (NBIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
] ietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	j ustification
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method

History

Date of printing : 2/7/2026

Date of issue/Date of revision : 2/7/2026

Date of previous issue : 8/16/2025

] ersion : 30

#ey to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subJect to change and may differ between various locations and Jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

According to 29 CFR 1910.1200

B58W610

Section 1. Identification

Product name : MACROPOXY® 646 Fast Cure Epoxy (Part A)
Mill White

Product code : B58W610

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1B
TOXIC TO REPRODUCTION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 31% (oral), 9% (dermal), 32% (inhalation)

GHS label elements

Hazard pictograms :

Section 2. Hazards identification

Signal word : Danger

Hazard statements : Flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure. (lungs, skin)

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage : Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Section 3. Composition/information on ingredients

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥25 - ≤50	13463-67-7
Phenol, isobutylenated methylstyrenated	≥10 - ≤25	68457-74-9
Xylene, mixed isomers	≥10 - ≤25	1330-20-7
Polyamine	≤10	157707-73-8
Talc	≤10	14807-96-6
Ethylbenzene	≤3	100-41-4
Amines, polyethylenepoly-, triethylenetetramine fraction	≤2.3	90640-67-8
Amines, polyethylenepoly-, tetraethylenepentamine fraction	<1	90640-66-7
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	≤0.3	77-99-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Section 4. First aid measures

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
stomach pains
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

Section 5. Fire-fighting measures

Specific hazards arising from the chemical : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Remark : Flammable liquid.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	**ACGIH TLV (United States, 1/2025)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Phenol, isobutylenated methylstyrenated	68457-74-9	None.
Xylene, mixed isomers	1330-20-7	**ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene]** A4. Ototoxicant. TWA 8 hours: 20 ppm. **OSHA PEL (United States, 5/2018) [Xylenes]** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.
Polyamine	157707-73-8	None.
Talc	14807-96-6	**ACGIH TLV (United States, 1/2025)** A4. TWA 8 hours: 2 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 2 mg/m³. Form: Respirable fraction.

Section 8. Exposure controls/personal protection

Ethylbenzene	100-41-4	**ACGIH TLV (United States, 1/2025)** A3. Ototoxicant. TWA 8 hours: 20 ppm. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 100 ppm. TWA 10 hours: 435 mg/m³. STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m³. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.
Amines, polyethylenepoly-, triethylenetetramine fraction	90640-67-8	None.
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	None.
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	**ACGIH TLV (United States, 1/2025)** TWA 8 hours: 0.5 ppm. Form: Inhalable fraction and vapor.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Xylene	1330-20-7	**CA Saskatchewan Provincial (Canada, 4/2021) [Xylene]** STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. **CA British Columbia Provincial (Canada, 6/2025) [xylene, all isomers]** TWA 8 hours: 20 ppm. **CA Ontario Provincial (Canada, 6/2019) [Xylene (o-, m-, p-isomers)]** STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. **CA Quebec Provincial (Canada, 2/2024) [Xylene]** TWAEV 8 hours: 100 ppm. TWAEV 8 hours: 434 mg/m³. STEV 15 minutes: 150 ppm. STEV 15 minutes: 651 mg/m³. **CA Alberta Provincial (Canada, 3/2023) [Dimethylbenzene]** OEL 8 hours: 100 ppm. OEL 15 minutes: 651 mg/m³. OEL 15 minutes: 150 ppm. OEL 8 hours: 434 mg/m³.
talc (none asbestiform)	14807-96-6	**CA Saskatchewan Provincial (Canada, 4/2021)** TWA 8 hours: 2 mg/m³. Form: respirable fraction. **CA British Columbia Provincial (Canada, 6/2025)** TWA 8 hours: 2 mg/m³. Form: respirable. Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 2 mg/m³. Form: respirable particulate matter.

Section 8. Exposure controls/personal protection

		TWA 8 hours: 2 fibers/cm³. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 2 mg/m³. Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 2 mg/m³. Form: respirable particulate.
Ethylbenzene	100-41-4	**CA Saskatchewan Provincial (Canada, 4/2021)** STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. **CA British Columbia Provincial (Canada, 6/2025)** Carc 2B. TWA 8 hours: 20 ppm. **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 20 ppm. **CA Quebec Provincial (Canada, 2/2024)** C3. TWAEV 8 hours: 20 ppm. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 100 ppm. OEL 8 hours: 434 mg/m³. OEL 15 minutes: 543 mg/m³. OEL 15 minutes: 125 ppm.
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	**CA British Columbia Provincial (Canada, 6/2025)** Repr. Notes: No British Columbia exposure limit at this time

Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
Xylene, mixed isomers	1330-20-7	**NOM-010-STPS-2014 (Mexico, 4/2016) [Xileno, mezcla]** A4. STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm.
Ethylbenzene	100-41-4	**NOM-010-STPS-2014 (Mexico, 4/2016)** A3. TWA 8 hours: 20 ppm.
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	**ACGIH TLV (United States, 1/2025)** TWA 8 hours: 0.5 ppm. Form: Inhalable fraction and vapor.

Biological exposure indices (United States)

Ingredient name	Exposure indices
Xylene, mixed isomers	**ACGIH BEI (United States, 1/2025) [xylenes (technical or commercial grades)]** BEI: 0.3 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Ethylbenzene	**ACGIH BEI (United States, 1/2025)** BEI: 150 mg/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

Section 8. Exposure controls/personal protection

Ingredient name	Exposure indices
Xylene, mixed isomers	**Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) [xilenos (grado técnico o comercial)]** BEI: 1.5 g/g creatinine, methyl hippuric acids [in urine]. Sampling time: at the end of the work shift.
Ethylbenzene	**Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012)** BEI: 0.7 g/g creatinine [non-specific.The determinant is nonspecific, since it can be found after exposure to other chemicals.; semi-quantitative.The biological determinant is an indicator of chemical exposure, but the quantitative interpretation of the measure is ambiguous. These biological determinants should be used as a screening test if a quantitative test is not possible.], Sum of mandelic acid and acid phenylglyoxylic [in urine]. Sampling time: at the end of the shift at the end of the work week. BEI: semi-quantitative.The biological determinant is an indicator of chemical exposure, but the quantitative interpretation of the measure is ambiguous. These biological determinants should be used as a screening test if a quantitative test is not possible., ethylbenzene [in exhaled air]. Sampling time: uncritical.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 8. Exposure controls/personal protection

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : Not applicable.

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : 136°C (276.8°F)

Flash point : Closed cup: 29°C (84.2°F) [Pensky-Martens Closed Cup]

Evaporation rate : 0.8 (butyl acetate = 1)

Flammability : Flammable liquid.

Lower and upper explosion limit/flammability limit : Lower: 1%
Upper: 7%

Vapor pressure : 0.95 kPa (7.1 mm Hg)

Relative vapor density : 3.66 [Air = 1]

Relative density : 1.46

Density : 1.46 g/cm³

Solubility(ies) :

Section 9. Physical and chemical properties

Media	Result
cold water	Not soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): <20.5 mm^2/s (<20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 5.24 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials : Reactive or incompatible with the following materials:
oxidizing materials

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Phenol, isobutylenated methylstyrenated	**Rabbit - Dermal - LD50** >20000 mg/kg
Xylene, mixed isomers	**Rat - Oral - LD50** 4300 mg/kg Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes **Rat - Inhalation - LC50 Gas.** 6700 ppm [4 hours] Toxic effects: Behavioral - Somnolence (general depressed activity)
Ethylbenzene	**Rat - Oral - LD50** 3500 mg/kg Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder -

Section 11. Toxicological information

	Other changes **Rabbit - Dermal - LD50** >5000 mg/kg
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	**Rat - Oral - LD50** 14000 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I
Xylene, mixed isomers	**Rat - Skin - Mild irritant** Duration of treatment/exposure: 8 hours Amount/concentration applied: 60 uL **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Moderate irritant** Amount/concentration applied: 100 %
Talc	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I
Ethylbenzene	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
Xylene, mixed isomers	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 87 mg **Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg
Ethylbenzene	**Rabbit - Eyes - Severe irritant** Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Section 11. Toxicological information

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Xylene, mixed isomers	-	3	-
Talc	-	2A	-
Ethylbenzene	-	2B	-

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
Phenol, isobutylenated methylstyrenated	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Xylene, mixed isomers	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result

Section 11. Toxicological information

Phenol, isobutylenated methylstyrenated	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (skin) - Category 2
Xylene, mixed isomers	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Talc	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) (inhalation) - Category 1
Ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Aspiration hazard

Product/ingredient name	Result
Phenol, isobutylenated methylstyrenated	ASPIRATION HAZARD - Category 1
Xylene, mixed isomers	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations

Section 11. Toxicological information

Ingestion : Adverse symptoms may include the following:
stomach pains
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
MACROPOXY® 646 Fast Cure Epoxy (Part A)	10963.1	14585.8	N/A	287.0	N/A
Xylene, mixed isomers	4300	2500	N/A	N/A	N/A
Ethylbenzene	3500	N/A	N/A	11	N/A
Amines, polyethylenepoly-, triethylenetetramine fraction	500	1100	N/A	N/A	N/A
Amines, polyethylenepoly-, tetraethylenepentamine fraction	500	1100	N/A	N/A	N/A
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	14000	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Xylene, mixed isomers	**Acute - LC50 - Marine water** Crustaceans - Daggerblade grass shrimp - *Palaemon pugio* 8500 µg/l [48 hours] Effect: Mortality **Acute - LC50 - Fresh water** Fish - Fathead minnow - *Pimephales promelas* Age: 31 days; Size: 18.4 mm; Weight: 0.077 g 13.4 mg/l [96 hours] Effect: Mortality
Ethylbenzene	**Acute - LC50 - Fresh water** Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* 4200 µg/l [96 hours] Effect: Mortality **Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: ≤24 hours 2.93 mg/l [48 hours] Effect: Intoxication **Acute - EC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* 3600 µg/l [96 hours] Effect: Population
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	**Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* Age: 1 to 3 days 13 g/l [48 hours] Effect: Intoxication **Acute - LC50 - Marine water** Fish - Sheepshead minnow - *Cyprinodon variegatus* 14.4 g/l [96 hours] Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Xylene, mixed isomers	-	-	Readily
Ethylbenzene	-	-	Readily

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Xylene, mixed isomers	-	8.1 to 25.9	Low
2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	-	<1 [OECD 305 C]	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3	3
Packing group	III	III	III	III	III
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class	-	-	**Emergency schedules** F-E, S-E

Section 14. Transport information

	ERG No. 128	3). **ERG No.** 128	**ERG No.** 128		

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

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All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED and rely on information provided to us by our raw material suppliers. Our suppliers often provide an estimated value or range less than a certain upper limit. We calculate MAXIMUM THEORETICAL VALUES using defined values, if provided, or the upper limit reported by our supplier. Additionally, the suppliers' information may include amounts present in the product as unintentional byproducts or impurities. Variations may occur in individual batches due to adjustments made during production. Reporting of chemicals in this section does not necessarily indicate their presence in the final formulated product.

Ingredient name	% by weight	CAS number
Mercury (as Hg)	0.000005	
Xylene, mixed isomers	15	1330-20-7
Ethylbenzene	3	100-41-4
Lead (as Pb)	0.0001	

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

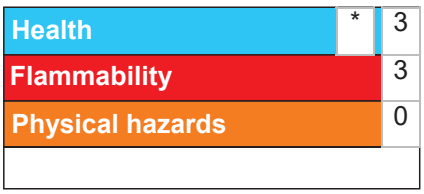
Not listed.

Section 15. Regulatory information

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1B	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

History

Date of printing : 3/2/2026

Date of issue/Date of revision : 3/2/2026

Date of previous issue : 12/13/2025

Version : 36

Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

According to 29 CFR 1910.1200

B65W1121

Section 1. Identification

Product name : PRO INDUSTRIAL™ Pre-Catalyzed Waterbased Urethane Gloss Extra White

Product code : B65W1121

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION - Category 2

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Contaminated work clothing must not be allowed out of the workplace.

Section 2. Hazards identification

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥10 - ≤25	13463-67-7
Attapulgite Clay	≤0.3	12174-11-7
Bis(pentamethyl-4-piperidyl)sebacate	≤0.3	41556-26-7
Benzophenone	≤0.3	119-61-9

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS B	Exposure limits
Titanium Dioxide	13463-67-7	**ACGIH TLV (United States, 1/2024)** A3. TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles. **NIOSH REL (United States, 10/2020)** NIA. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 15 mg/m³. Form: Total dust.
Attapulgite Clay	12174-11-7	None.
Bis(pentamethyl-4-piperidyl)sebacate	41556-26-7	None.
Benzophenone	119-61-9	**OARS WEEL (United States, 9/2024)** TWA 8 hours: 0.5 mg/m³.

Occupational exposure limits (Canada)

Ingredient name	CAS B	Exposure limits
Fibres-Natural Mineral Fibres, Attapulgite	12174-11-7	**CA [uebec Provincial (Canada, 2/2024)]Attapulgite#**C1. TWAEV 8 hours: 1 fibers/cm³. Form: RESPIRABLE FIBRES (other than respirable asbestos fibres) : Objects, other than respirable asbestos fibres, longer than 5 µm, having a diameter of less than 3 µm and a ratio of length to diameter of more than 3 : 1..
Benzophenone	119-61-9	**CA Zritish Columbia Provincial (Canada, 9/2024)** Carc 2B.

Occupational exposure limits (Mexico)

None.

Ziological exposure indices (United States)

No exposure indices known.

Ziological exposure indices (Canada)

No exposure indices known.

Ziological exposure indices (Mexico)

No exposure indices known.

Section 8. Exposure controls/personal protection

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Zody protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : 8.9

Melting point/freezing point : Not available.

Zoiling point or initial boiling point and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Section 9. Physical and chemical properties

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Lower: 0.6%
Upper: 4.2%

Vapor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.17

Density : 1.16 g/cm³

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Particle characteristics

Median particle size : Not applicable.

Heat of combustion : 1.409 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Benzophenone	**Rat - Oral - LD50** >10 g/kg **Rabbit - Dermal - LD50** 3535 mg/kg

Conclusion/Summary]Product# : Not available.

Section 11. Toxicological information

Skin corrosion/irritation

Product/ingredient name	Result
Titanium Dioxide	**Human - Skin - Mild irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I

Conclusion/Summary]Product# : Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary]Product# : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary]Product# : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary]Product# : Not available.

Respiratory

Conclusion/Summary]Product# : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary]Product# : Not available.

Carcinogenicity

Not available.

Conclusion/Summary]Product# : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Attapulgite Clay	-	2B	-
Benzophenone	-	2B	-

Reproductive toxicity

Not available.

Section 11. Toxicological information

Conclusion/Summary]Product# : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Benzophenone	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

Not available.

Conclusion/Summary]Product# : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Benzophenone	500	3535	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Titanium Dioxide	**Acute - LC50 - Marine water** Fish - Mummichog - *Fundulus heteroclitus* >1000 mg/l [96 hours] Effect: Mortality
Benzophenone	**Acute - LC50 - Fresh water** Fish - Fathead minnow - *Pimephales promelas* - Larvae Age: <24 hours 10.89 mg/l [96 hours] Effect: Mortality **Chronic - NOEC - Fresh water** Fish - Fathead minnow - *Pimephales promelas* - Embryo Age: <24 hours 1.03 mg/l [32 days] Effect: Growth

Conclusion/Summary]Product# : Not available.

Persistence and degradability

Not available.

Conclusion/Summary]Product# : Not available.

Zioaccumulative potential

Section 12. Ecological information

Product/ingredient name	$LogP_{ow}$	ZCF	Potential
Benzophenone	-	12.02	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(e) substance consent order**: Fluoropolymer

List name	Name on list	Notes
TSCA 5(e) - Substances consent order	Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts (PROVISIONAL)	

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

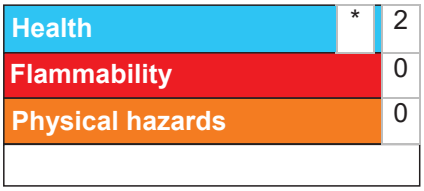
Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Section 16. Other information

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Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method

History

Date of printing : 11/16/2025

Date of issue/Date of revision : 11/16/2025

Date of previous issue : 7/29/2025

Version : 14

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
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LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
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Indicates information that has changed from previously issued version.

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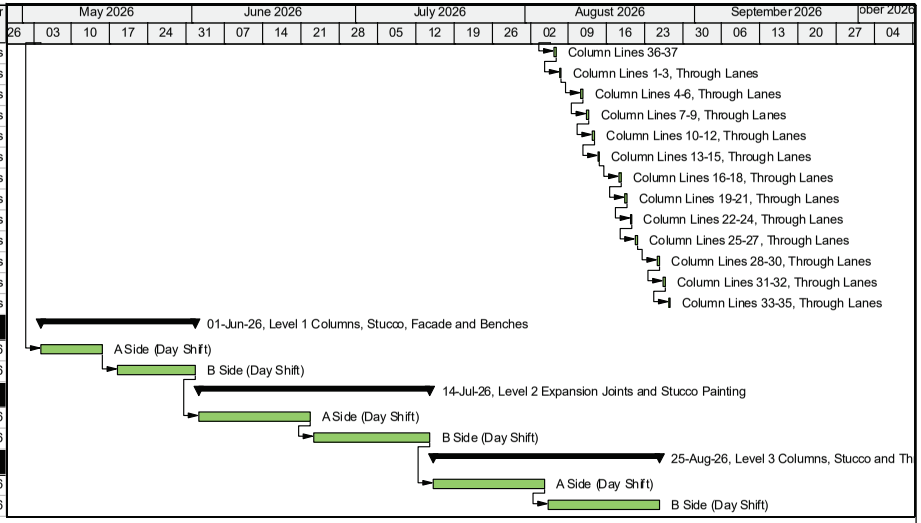
Activity ID	Activity Name	Original Duration	Actual Duration	Start	Finish	Calendar
V-1109 Terminals A and B Vertical Surfaces Painting		106	0	28-Apr-26	25-Sep-26	
Administrative		156	0	28-Apr-26	25-Sep-26	7 Day Calendar
A1000	Kick Off Meeting	0	0	28-Apr-26	28-Apr-26	7 Day Calendar
A1010	CCM Approval	0	0	28-Apr-26	28-Apr-26	7 Day Calendar
A1020	NTP	0	0	04-May-26*	04-May-26	7 Day Calendar
A1040	Deadline to Request Substantial Completion	0	0	14-Aug-26	14-Aug-26	7 Day Calendar
A1030	Required Substantial Completion	0	0	27-Aug-26	27-Aug-26	7 Day Calendar
A1050	Final Completion	30	0	27-Aug-26	25-Sep-26	7 Day Calendar
Level 2 Ceilings, Curbs and Knee Wall , A Side		33	0	05-May-26	30-Jun-26	4 Night Shifts
A1060	Mobilization	0	0	05-May-26	05-May-26	4 Night Shifts
A1070	Pressure Washing	8	0	05-May-26	15-May-26	4 Night Shifts
A1080	Column Lines 1-3, Curbside	1	0	19-May-26	19-May-26	4 Night Shifts
A1090	Column Lines 4-6, Curbside	1	0	20-May-26	20-May-26	4 Night Shifts
A1100	Column Lines 7-9, Curbside	1	0	21-May-26	21-May-26	4 Night Shifts
A1110	Column Lines 10-12, Curbside	1	0	22-May-26	22-May-26	4 Night Shifts
A1120	Column Lines 13-15, Curbside	1	0	26-May-26	26-May-26	4 Night Shifts
A1130	Column Lines 16-18, Curbside	1	0	27-May-26	27-May-26	4 Night Shifts
A1140	Column Lines 19-21, Curbside	1	0	28-May-26	28-May-26	4 Night Shifts
A1150	Column Lines 22-24, Curbside	1	0	29-May-26	29-May-26	4 Night Shifts
A1160	Column Lines 25-27, Curbside	1	0	02-Jun-26	02-Jun-26	4 Night Shifts
A1170	Column Lines 28-30, Curbside	1	0	03-Jun-26	03-Jun-26	4 Night Shifts
A1180	Column Lines 31-32, Curbside	1	0	04-Jun-26	04-Jun-26	4 Night Shifts
A1190	Column Lines 33-35, Curbside	1	0	05-Jun-26	05-Jun-26	4 Night Shifts
A1200	Column Lines 36-37	1	0	09-Jun-26	09-Jun-26	4 Night Shifts
A1210	Column Lines 1-3, Through Lanes	1	0	10-Jun-26	10-Jun-26	4 Night Shifts
A1220	Column Lines 4-6, Through Lanes	1	0	11-Jun-26	11-Jun-26	4 Night Shifts
A1230	Column Lines 7-9, Through Lanes	1	0	12-Jun-26	12-Jun-26	4 Night Shifts
A1240	Column Lines 10-12, Through Lanes	1	0	16-Jun-26	16-Jun-26	4 Night Shifts
A1250	Column Lines 13-15, Through Lanes	1	0	17-Jun-26	17-Jun-26	4 Night Shifts
A1260	Column Lines 16-18, Through Lanes	1	0	18-Jun-26	18-Jun-26	4 Night Shifts
A1270	Column Lines 19-21, Through Lanes	1	0	19-Jun-26	19-Jun-26	4 Night Shifts
A1280	Column Lines 22-24, Through Lanes	1	0	23-Jun-26	23-Jun-26	4 Night Shifts
A1290	Column Lines 25-27, Through Lanes	1	0	24-Jun-26	24-Jun-26	4 Night Shifts
A1300	Column Lines 28-30, Through Lanes	1	0	25-Jun-26	25-Jun-26	4 Night Shifts
A1310	Column Lines 31-32, Through Lanes	1	0	26-Jun-26	26-Jun-26	4 Night Shifts
A1320	Column Lines 33-35, Through Lanes	1	0	30-Jun-26	30-Jun-26	4 Night Shifts
Level 2 Ceilings, Curbs, and Knee Walls B Side		33	0	01-Jul-26	27-Aug-26	4 Night Shifts
A1330	Mobilization	0	0	01-Jul-26	01-Jul-26	4 Night Shifts
A1340	Cables and Pressure Washing	8	0	01-Jul-26	15-Jul-26	4 Night Shifts
A1350	Column Lines 1-3, Curbside	1	0	16-Jul-26	16-Jul-26	4 Night Shifts
A1360	Column Lines 4-6, Curbside	1	0	17-Jul-26	17-Jul-26	4 Night Shifts
A1370	Column Lines 7-9, Curbside	1	0	21-Jul-26	21-Jul-26	4 Night Shifts
A1380	Column Lines 10-12, Curbside	1	0	22-Jul-26	22-Jul-26	4 Night Shifts
A1390	Column Lines 13-15, Curbside	1	0	23-Jul-26	23-Jul-26	4 Night Shifts
A1400	Column Lines 16-18, Curbside	1	0	24-Jul-26	24-Jul-26	4 Night Shifts
A1410	Column Lines 19-21, Curbside	1	0	28-Jul-26	28-Jul-26	4 Night Shifts
A1420	Column Lines 22-24, Curbside	1	0	29-Jul-26	29-Jul-26	4 Night Shifts
A1430	Column Lines 25-27, Curbside	1	0	30-Jul-26	30-Jul-26	4 Night Shifts
A1440	Column Lines 28-30, Curbside	1	0	31-Jul-26	31-Jul-26	4 Night Shifts
A1450	Column Lines 31-32, Curbside	1	0	04-Aug-26	04-Aug-26	4 Night Shifts
A1460	Column Lines 33-35, Curbside	1	0	05-Aug-26	05-Aug-26	4 Night Shifts

Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

All Activities

CLANCY & THEYS CONSTRUCTION COMPANY

Activity ID	Activity Name	Original Duration	Actual Duration	Start	Finish	Calendar
A1470	Column Lines 36-37	1	0	06-Aug-26	06-Aug-26	4 Night Shifts
A1480	Column Lines 1-3, Through Lanes	1	0	07-Aug-26	07-Aug-26	4 Night Shifts
A1490	Column Lines 4-6, Through Lanes	1	0	11-Aug-26	11-Aug-26	4 Night Shifts
A1500	Column Lines 7-9, Through Lanes	1	0	12-Aug-26	12-Aug-26	4 Night Shifts
A1510	Column Lines 10-12, Through Lanes	1	0	13-Aug-26	13-Aug-26	4 Night Shifts
A1520	Column Lines 13-15, Through Lanes	1	0	14-Aug-26	14-Aug-26	4 Night Shifts
A1530	Column Lines 16-18, Through Lanes	1	0	18-Aug-26	18-Aug-26	4 Night Shifts
A1540	Column Lines 19-21, Through Lanes	1	0	19-Aug-26	19-Aug-26	4 Night Shifts
A1550	Column Lines 22-24, Through Lanes	1	0	20-Aug-26	20-Aug-26	4 Night Shifts
A1560	Column Lines 25-27, Through Lanes	1	0	21-Aug-26	21-Aug-26	4 Night Shifts
A1570	Column Lines 28-30, Through Lanes	1	0	25-Aug-26	25-Aug-26	4 Night Shifts
A1580	Column Lines 31-32, Through Lanes	1	0	26-Aug-26	26-Aug-26	4 Night Shifts
A1590	Column Lines 33-35, Through Lanes	1	0	27-Aug-26	27-Aug-26	4 Night Shifts
Level 1 Columns, Stucco, Facade and Benches		20	0	04-May-26	01-Jun-26	
A1600	A Side (Day Shift)	10	0	04-May-26	15-May-26	CT Work Days_2026
A1610	B Side (Day Shift)	10	0	18-May-26	01-Jun-26	CT Work Days_2026
Level 2 Expansion Joints and Stucco Painting		30	0	02-Jun-26	14-Jul-26	
A1620	A Side (Day Shift)	15	0	02-Jun-26	22-Jun-26	CT Work Days_2026
A1630	B Side (Day Shift)	15	0	23-Jun-26	14-Jul-26	CT Work Days_2026
Level 3 Columns, Stucco and Through Lane Knee Wall		30	0	15-Jul-26	25-Aug-26	
A1640	A Side (Day Shift)	15	0	15-Jul-26	04-Aug-26	CT Work Days_2026
A1650	B Side (Day Shift)	15	0	05-Aug-26	25-Aug-26	CT Work Days_2026



Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

All Activities

CLANCY & THEYS CONSTRUCTION COMPANY

V-01109 Terminals A&B Departure & Arrivals Painting

Estimate Cost

Item	*Quantity*	*Unit*	*unit price*	*item total*
Senior Project Manager	360	h	$98.36	$35,409.60
Safety Director	40	h	$95.00	$3,800.00
Superintendant	1,000	h	$80.00	$80,000.00
Assistant Superintendent	1,000	h	$55.00	$55,000.00
Foreman	1,000	h	$65.00	$65,000.00
			Subtotal	**$239,209.60**
Painting Terminal A - departure	13,273	ft2	$3.28	$43,503.83
Painting Terminal A - arrival	171,081	ft2	$3.28	$560,716.50
Painting Terminal A - ground	24,926	ft2	$3.28	$81,693.59
Painting Terminal B - departure	13,273	ft2	$3.28	$43,503.83
Painting Terminal B - arrival	171,081	ft2	$3.28	$560,716.50
Painting Terminal B - ground	24,926	ft2	$3.28	$81,693.59
Painting Terminal A&B - Stucco	40,000	ft2	$3.28	$131,100.00
Painting Terminal A&B - Benches	32	ea	$400.00	$12,800.00
Foreman	1,000	h	$65.00	$65,000.00
Foreman	1,000	h	$65.00	$65,000.00
area total (ft2)	**458,559**		**Subtotal**	**$1,645,727.84**
Vertical Joint sealant with backer rod	2,113	ft	$10.00	$21,128.00
façade panel -Joint fill (Backer rod)	2,520	ft	$4.00	$10,080.00
			Subtotal	**$31,208.00**
Field Office	4	Month	$1,000.00	$4,000.00
Dumpster	2	Pull	$500.00	$1,000.00
MOT Rental	120	days	$150.00	$18,000.00
steel cable for netting	10,080	ft	$3.00	$30,240.00
Debris Netting	60,480	ft2	$0.80	$48,384.00
			Subtotal	**$101,624.00**
Insurance	0.8113%			$16,370.16
Tech Fees	0.2975%			$6,002.86
Bond	1.0000%			$20,177.69
default insurance	1.2000%			$24,213.23
fee	15.0000%			$302,665.42

Total **$2,387,198.82**

BULLETIN

PROJECT NO. & NAME:	V-01109 Terminals A & B Vertical Surfaces and Ceiling Painting (D/B)	
BULLETIN NO.:	01	
ISSUANCE DATE:		
CONTRACTOR:	Clancy & Theys Construction Co	
DESIGNER / DCC*:	N/A	(*DCC – Design Criteria Consultant)
OAR:	The Roderick Group, Inc., dba Ardmore Roderick	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

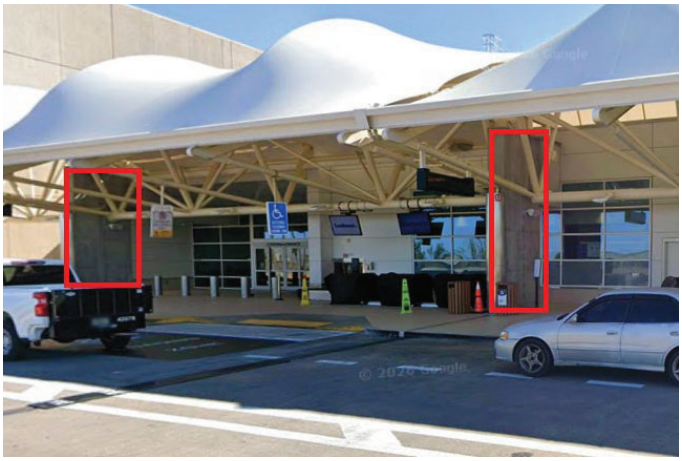
DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative** The Scope of work is to power wash all vertical surfaces and ceiling of the Departure, Arrival, and Commercial Lanes that are to be painted. Painting of said surfaces in the attached scope. In addition prepping and repainting curb and speed bumps. The pebble textured walls and tiled walls are to be excluded. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC)	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.
	☐ Other	Click or tap here to enter text.

☒ ATTACHMENTS INCLUDED:

Discipline	Drawing No.	Revision Date	Revision Narrative
	Photo		Photo highlighting area of work.

Terminal A & B—Deparutre Lanes

All concrete columns along depature lane. This photo is just an example of the columns



Knee Wall is included in scope. All sides

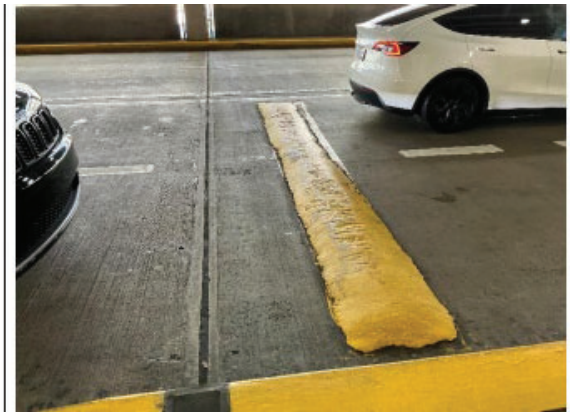
Repaint curbs. Only repainting the existing areas that are painted.

This photo is sample area.

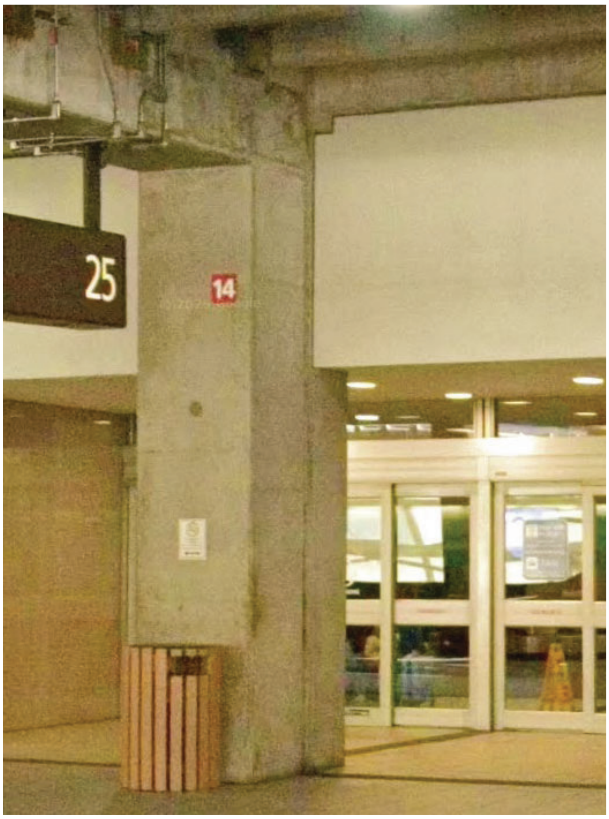
Terminal A & B—Arrival Lanes

All Ceiling, Vertical, and knee wall are included in scope. The outer side of colum, header, and knee wall are part of scope as well. This photo is a sample only. Entire lane will be in scope.

Repaint all curbs, both sides of the lane and the speed humps that are currently painted yellow.



The Vertical joint between two columns. Remove existing material and replace and caulk. Do not paint this caulked seam.

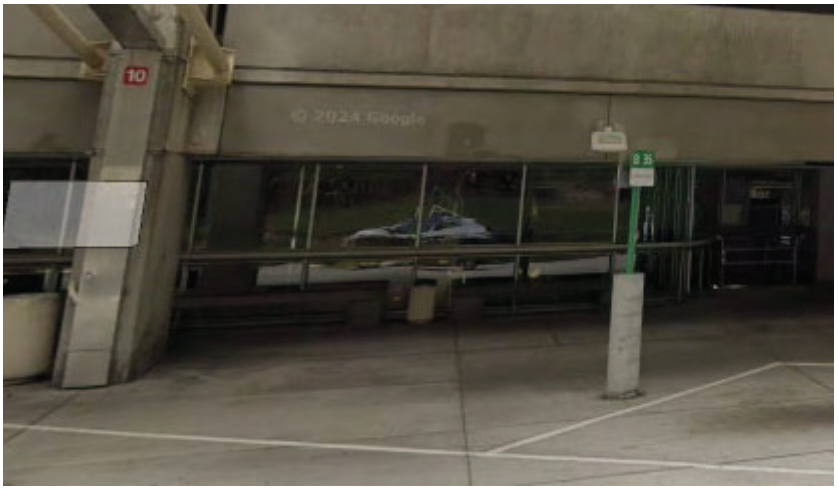


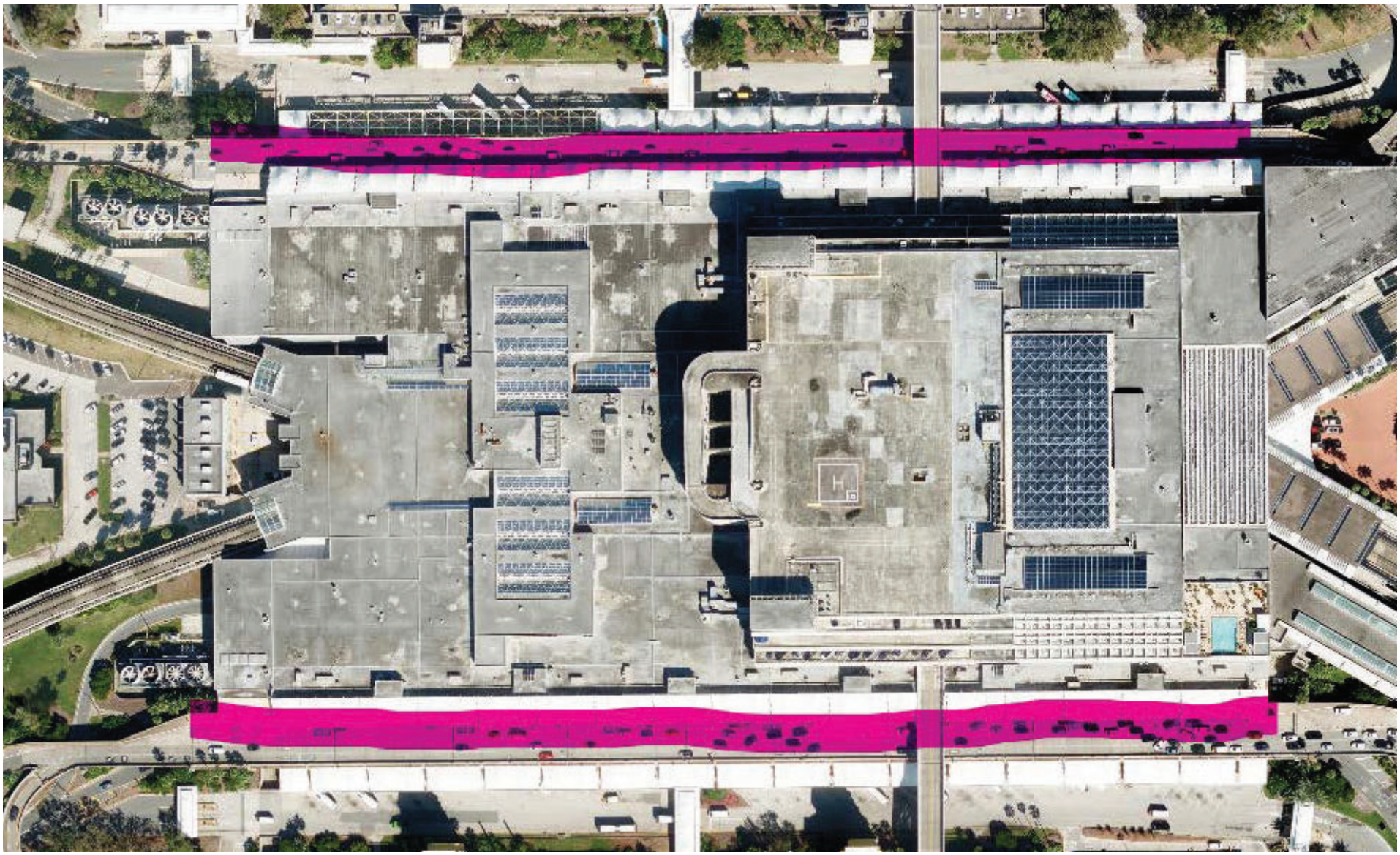
Terminal A & B—Commercial Lanes

All Vertical surfaces are in scope. Ceiling is excluded.

Including the outside wall of the structure, up to and including the Departure Level Knee wall.

Concrete benches will also be in scope.





Greater Orlando Aviation Authority

Published By: Jennifer V
Reviewed By: Jeff Reine

CCM HANDOUT 4/28/2026 Item III-K Full Item Replacement

CHANGE ORDER AGENDA FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	V-01110 Garage A Perimeter Railings Clean, Paint, and Repair (D/B)	DATE: 4/28/26
CONTRACTOR:	H.W. Davis Construction, Inc.	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1- Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) Initiative (RCO1). Provide all labor, equipment, and equipment to clean, paint and repair perimeter railings for Garage A. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $1,096,500.00

Item #2 – Allowance Reduction- Reduce the Garage A Perimeter Railings Clean, Paint, and Repair by ($1,096,500.00) from $3,000,000.00 to $1,903,500.00 to cover the costs of Item #1 above.

Deduct: ($1,096,500.00)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 01	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,096,500.00		
GOAA/OAR Estimate	$ 1,010,752.34		
(a) Change Contract Amount By			**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 103,875.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00

CC ITEM III-K 04/28/2026

Published By: Jennifer Woods
Reviewed By: Jeff Reine

PREPARED BY: Jennifer Woods				PHONE: X4056
*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed: 4/27/2026	Initials of Reviewer: DM	Verification of Funding by Finance: Melvin Martinez

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street | Orlando, FL 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

BID FORM

RCO 001

Date: March 18, 2026

Project V-01110 Garage A Perimeter Paint
GOAA

I/We, the undersigned, hereby affirm that I/We have examined the site of the Project, have become fully informed relative to local conditions which may affect work, that I/We have examined all of this Project's Contract Documents and have a thorough and satisfactory concept of the work to be performed.

We propose to furnish all equipment, materials, labor and services required for construction of this Project in accordance with the Project's Contract Documents, and will complete the work within a 17 week schedule duration.

We acknowledge Addenda #: none

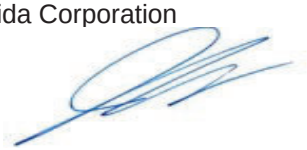
Dated:

BID: $1,096,500
(Write in Figures)

(One Million Ninety Six Thousand Five Hundred Dollars and No Cents)
(Write in Words)

Alternates: None

H.W. Davis Construction, Inc.
A Florida Corporation



John Glor
Project Manager

In submitting this Bid, the Bidder understands that the right is reserved by the Owner to reject any and all Bids. If written notice of the acceptance of this Bid is emailed, telegraphed or delivered to the Undersigned within twenty (20) days after the opening of thereof, the Undersigned agrees to execute and deliver an Agreement in the prescribed form within ten (l0) days after the Agreement is presented to him for signature.

Please see the attached bid breakdown which will become an attachment to the final contract.

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street * Orlando, Fl 32805
(407) 849-1212 * Fax (407) 839-4068
website - hwdavis.com

Bid Breakdown

Project:
V-01110 Garage A Perimeter Paint
GOAA

Bid Date: March 18, 2026

Division Number and Description		Cost
1	General Conditions	$144,582
2	Demolition/Cleanup	$0
3	Concrete	$0
4	Masonry	$0
5	Metals	$11,500
6	Wood and Plastics	$0
7	Sealants	$0
8	Doors and Windows	$0
9	Finishes	$915,578
10	Specialties	$0
11	Equipment	$0
12	Furnishings	$0
13	Special Construction	$0
14	Conveying Systems	$0
15	Plumbing	$0
16	Electrical	$0
	Sub Total	$1,071,660
	Bond	24,840
	Total	1,096,500

Scope:

Bid is based on drawing package provided by owner.
No permit costs are included.
Total duration figured at 17 weeks. Weekdays 1st shift.
3rd shift hours in high traffic pedestrian areas.

H W DAVIS CONSTRUCTION, INC.
CGC 056985

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(407) 849-1212 * Fax (407) 839-4068
E-mail info@hwdavis.com

Scope of Work

Project:

March 18, 2026

V-01110 Garage A Perimeter Paint
GOAA

Prepare surfaces in accordance with SSPC-SP-1, Solvent Cleaning. Prepare surfaces in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-SP-3, Power Tool Cleaning. Apply one (1) coat Macropoxy 646. Apply two(2) coats Sherloxane 800. Scope includes all yellow exterior building rails,hand rails,and bollards 1st shift and rental pedestrian bridge rails during 3rd shift. Excludes rails under roof canopies

No railings were identified as needing replacement during walk through.
$10,000.00 for replacement of up to 50 linear feet of railings is included in this proposal.

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GENERAL ESTIMATE

Project:

V-01110 Garage A Perimeter Paint
GOAA

Add On: Material Tax	6.50%		Bid Date:	**03/18/26**
Labor Burden	42.00%		Today's Date:	03/18/26
Overhead and Profit	15.00%		Time:	7:48 AM
Bond (GOAA Method)	DB %		Linear Footage	**46,093**

Div.	Description	Material	Labor	Sub-Contractor	Sub Total	Total with T & B	Total with T-B-OH&P	Div Total No Bond	Cost Per LF
1	General Conditions	15,729	76,459	400	92,588	125,723	144,582		3.14
	Permit			0	0	0	0		0.00
	----------							144,582	
2	Demolition			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
3	Concrete			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
4	Masonry: CMU			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
5	Miscellaneous Metals			10,000	10,000	10,000	11,500		0.25
	Other			0	0	0	0		0.00
	----------							11,500	
6	Millwork			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
7	Sealants			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
8	Doors/Frames/Hrdwr			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
9	Metal Framing & Drywall			0	0	0	0		0.00
	Acoustical			0	0	0	0		0.00
	Flooring			0	0	0	0		0.00
	Painting			754,951	754,951	754,951	868,194		18.84
	Paint			41,203	41,203	41,203	47,384		1.03
	----------							915,578	
10	Toilet Partition			0	0	0	0		0.00
	Toilet / Bath Accessories			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
11	O.F.C.I.			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	

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GENERAL ESTIMATE

Project:

V-01110 Garage A Perimeter Paint
GOAA

Add On: Material Tax	6.50%		Bid Date:	**03/18/26**
Labor Burden	42.00%		Today's Date:	03/18/26
Overhead and Profit	15.00%		Time:	7:48 AM
Bond (GOAA Method)	DB %		Linear Footage	**46,093**

Div.	Description	Material	Labor	Sub-Contractor	Sub Total	Total with T & B	Total with T-B-OH&P	Div Total No Bond	Cost Per LF
12	Window Treatment			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
13	Metal Building			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
14	Elevator			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
15	H.V.A.C.			0	0	0	0		0.00
	Plumbing				0	0	0		0.00
	Fire Sprinkler			0	0	0	0		0.00
	----------							0	
16	Electrical			0	0	0	0		0.00
	Fire Alarm				0	0	0		0.00
								0	0.00
	Subtotal	15,729	76,459	806,555	898,743	931,878	1,071,660	1,071,660	23.25
	Tax - Labor Burden	1,022	32,113	0	33,135			No Bond	0.72
	Costs	16,751	108,572	806,555	931,878				20.22
	Overhead & Profit				139,782				3.03
	Subtotal				1,071,660				23.25
	Bond				24,840	(Bond x Cost Only)			0.54
	BID WITHOUT BUILDERS RISK				1,096,500				23.79
	Buiders Risk (this is added to Div 1 on the bid breakdown)				0				0.00
	Total Bid				1,096,500				23.79

H W DAVIS CONSTRUCTION, INC
CGC 056985

GENERAL CONDITIONS

Project: V-01110 Garage A Perimeter Paint
GOAA

Date: 03/18/26

Duration	Days		Weeks	Months
	120	Calendar	17.14	4.0
	103	Working		

	Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
1	1001	As Builts/Arch/Engineers	LS		LS			0.00	0.00	0.00
2	1050	Mobilize	M		LS	0.00			0.00	0.00
3	1100	Layout / Survey	S		LS			0.00	0.00	0.00
4	1150	Temporary Facilities								
5		Temporary Office	M		MO	0.00			0.00	
6		Storage Trailers	M		MO	0.00			0.00	
7		Office Supplies	M		MO	0.00			0.00	
8		Office Furniture	M		MO	0.00			0.00	
9		Toilet	M		MO	0.00			0.00	
10		Signs	M		LS	0.00			0.00	
11		Fire Protection	M		LS	0.00			0.00	
12		Drinking water	M		DY	0.00			0.00	
13		Labor	L		DY		0.00		0.00	
14		Photographs	M		MO	0.00			0.00	
15		Safety / First Aid	M	25	MO	100.00			100.00	
16		Testing	S	0	LS			0.00	0.00	
17	----------		1150 Subtotal							100.00
18	1200	Electric	M		MO	0.00			0.00	
19		Phones / Data								
20		Cell Phones	M	100	MO	400.00			400.00	
21		Land Line: Install	S		LS			0.00	0.00	
22		Monthly	M		MO	0.00			0.00	
23		Data Services	M		MO	0.00			0.00	
24		Water	M		MO	0.00			0.00	
25	----------		1200 Subtotal							400.00
26	1250	Temporary Equipment								
27		Scaffold	M		MO	0.00			0.00	
28		Hoist / Crane	M		MO	0.00			0.00	
29		ICRA: Partitions	M		MO	0.00			0.00	
30		ICRA: Matts/Filters	M		MO	0.00			0.00	
31		ICRA: Air Scrubers	M		MO	0.00			0.00	
32		Dust Control	M		MO	0.00			0.00	
33		Phasing	M		MO	0.00			0.00	
34		Trucks	M		MO	0.00			0.00	
35		Barricades	M	200	MO	800.00			800.00	
36		Tractor - Forklift	M		MO	0.00			0.00	

H W DAVIS CONSTRUCTION, INC
CGC 056985

GENERAL CONDITIONS

Project: V-01110 Garage A Perimeter Paint
GOAA

Date: 03/18/26

Duration	Days		Weeks	Months
	120	Calendar	17.14	4.0
	103	Working		

	Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
37		Generator	M		MO	0.00			0.00	=WeeksxUnitPrice
38		Vibrator	M		MO	0.00			0.00	80 x 17.14 =
39		Small Tools	M	80	WK	1371.43			1371.43	1371.43 +800 =
40		Misc. Materials	M		MO	0.00			0.00	2171.43
41	----------	1250 Subtotal								2171.43
42	1300	Temporary Security								
43		Fence	M		LS	0.00			0.00	
44		GOAA badging/parking	S	100	MO			400.00	400.00	
45	----------	1300 Subtotal								400.00
46	1350	Truck Expense								
47		Pick-up	M	1,200	MO	4800.00			4800.00	
48	----------	1350 Subtotal								4800.00
49	1400	Fuel	M	250	WK	4285.71			4285.71	
50		Tolls	M		DY	0.00			0.00	
51		Parking Fees	M		DY	800.00			800.00	
52	----------	1400 Subtotal								5085.71
53	1500	Clean-up: Daily (8*27)	L	216	DY		22248.00		22248.00	
54		Daily Materials	M	10	DY	1028.57			1028.57	
55		Final	S		LS			0.00	0.00	
56	----------	1500 Subtotal								23276.57
57	1560	Dumpster (1 per Week)	W	125	WK	2142.86			2142.86	
58	----------	1560 Subtotal								2142.86
59		Site Administration								
60	1600	Superintendent-Prime	L	1,904	WK		32640.00		32640.00	
61		Super - Night Shift	L		WK		0.00		0.00	
62		Secondary Supt.	L		WK		0.00		0.00	
63		Secondary Supt.	L		WK		0.00		0.00	
64	1605	Project Manager	L	1,200	WK		20571.43		20571.43	
65		PM - Pre-Const Srvcs	LS		LS		1000.00		1000.00	
66		Travel Allowance	M		WK	0.00			0.00	
67		Per Deim Allowance	S		WK			0.00	0.00	
68		Misc.: Material	M		WK	0.00			0.00	
69		Labor	L		WK		0.00		0.00	
70		Subcontractor	S		WK			0.00	0.00	54211.43
						15728.57	76459.43	400.00	92588.00	92588.00
		Sales Tax / Labor Burden				1022.36	32112.96	0.00	33135.32	
		Subtotal				16750.93	108572.39	400.00	125723.32	
		Overhead and Profit							18858.50	

H W DAVIS CONSTRUCTION, INC
CGC 056985

GENERAL CONDITIONS

Project: V-01110 Garage A Perimeter Paint
GOAA

Date: 03/18/26

Duration	Days		Weeks	Months
	120	Calendar	17.14	4.0
	103	Working		

Cost Code	Description	Unit Price	Material	Labor	Sub	Total	Cost Code Subtotal
	Subtotal					144581.81	
	Bond					0.00	
	Total					144581.81	

	Week	Month
General Conditions Cost	8,434	36145.45

Bid Breakdown

Submitted By: Southern Painting & Blasting, LLC

Date: March 10, 2026
SPB Proposal #: **Z-032**
Project Name: V-01110 Perimeter Garage A
Duration: 80 Days

Scope: Prepare surfaces in accordance with SSPC-SP-1, Solvent Cleaning. Prepare surfaces in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-SP-3, Power Tool Cleaning. Apply one (1) coat Macropoxy 646. Apply two (2) coats Sherloxane 800. Scope includes all yellow exterior building rails, hand rails, and bollards 1st shift and rental pedestrian bridge rails during 3rd shift. Excludes rails under roof canopies. OWNER provides Parking access for vehicle

Labor Classification	Qty	Total Hours		Hourly Rate		Total
Painter Night	1	80	@	$ 28.75	/hr	$ 2,300.00
Lead Painter Night	1	80	@	$ 35.25	/hr	$ 2,820.00
Working Superintendent	1	256	@	$ 37.75	/hr	$ 9,664.00
Painter Day	18	640	@	$ 25.75	/hr	$ 296,640.00
Lead Painter Day	4	640	@	$ 32.25	/hr	$ 82,560.00
Project Manager			@	$ 40.00	/hr	$ -

Sub-Total Direct Labor:	$ 393,984.00	
Direct Labor Burden(42%): (taxes / insurance)	$ 165,473.28	
15% Mark-Up (OH&P):	$ 83,918.59	
Total Labor:		$ 643,375.87

Materials	Qty		Unit Price	
Macropoxy 646	560	@	$ 45.80	$ 25,648.00
Sherloxane 800	529	@	$ 88.70	$ 46,922.30
MEK	100	@	$ 32.47	$ 3,247.00
Denatured Alcohol	100	@	$ 21.96	$ 2,196.00
		@		$ -
Misc Sundries- Brushes,naps,tape, plastic	10	@	$ 279.59	$ 2,795.90
		@		$ -
generator	4	@	$ 297.00	$ 1,188.00
		@		$ -
fuel	250	@	$ 3.69	$ 922.50

Sub-Total Material:	$ 82,919.70	
Sales Tax on Materials:	$ 5,804.38	
15% Mark-Up (OH&P):	$ 13,308.61	
Total Materials:		$ 102,032.69

Equipment

	Qty		Unit Price	
19' scissor lift	2	@	$ 829.00	$ 1,658.00
45' articulated lift	1	@	$ 1,632.00	$ 1,632.00
66' boom lift	2	@	$ 2,024.00	$ 4,048.00
Delivery/Pickup	3	@	$ 320.00	$ 960.00

Sub-Total Equipment:	$ 8,298.00	
15% Mark-Up on Equip:	$ 1244.70	
Total Equipment:		$ 9,542.70

Subcontractors (attach proposals)

$ -

Sub-Total Subcontractors:	$ 0	
6% Mark-Up on Subs:	$ 0	
Total Subs:		$ 0

Accepted by:

Signature

Printed Name

Company

Sub-Total:		$ 754,951.26
Permits (if applicable)		$
Bonds (if applicable)		$
Total :		**$ 754,951.26**

KATCO Distributors, Inc.
Industrial & Electrical Supplies

QUOTE

2848 S. MELLONVILLE AVENUE
SANFORD, FL 32773
407-322-8998

3/10/2026

TO: H.W. DAVIS
1212 29TH STREET
ORLANDO, FL 32805

SHIP TO: JOBSITE OIA

REQ.BY	WHEN SHIP	SHIP VIA	FOB POINT	TERMS
JG	ASAP	BEST WAY	PREPAID	N30

QTY.ORD.	CAT NO.	DESCRIPTION	UNIT PRICE	TOTAL
451	GAL	SHER-LOXANE 800 PAINT SHERWIN WILLIAMS	$91.36	$41,203.36
			Tax	$2,497.20
			TOTAL	$43,700.56

V-01110- Garage A Perimeter Railings Clean,Paint and Repair (D/B)- OAR Estimate Completed Brian Gainous Cost Management, Inc., dba CMI														
		Takeoff Quantity		UOM	Material/Equipmemt Unit Cost			Material Cost		Labor Unit		Labor Cost		Total Cost
01 General Requirements														
	General Conditions													
	Contractor	1.00		LS						$	145,000.00	$	145,000.00	
	Subcontractor													
	Night Painter	80.00		HRS						$	40.80	$	3,264.00	
	Lead Night-Painter	80.00		HRS						$	50.00	$	4,000.00	
	Day Painter	11,520.00		HRS						$	36.50	$	420,480.00	
	Lead Day Painter	2,560.00		HRS						$	45.80	$	117,248.00	
	Superintendent	275.00		HRS						$	53.60	$	14,740.00	
											Sub -15%	$	83,959.20	
	Materials							$ -		$	-	$	-	
	Macropoxy 646	560.00		SF		$	48.50		$ 27,160.00					
	Sherloxane 800	550.00		SF		$	90.50		$ 49,775.00					
	MEK	100.00		SF		$	22.50		$ 2,250.00					
	Denatured Alcohol	100.00		SF		$	22.50		$ 2,250.00					
	Misc.(Brushes,tape,plastic,naps)	1.00		LS		$	2,500.00		$ 2,500.00					
	Equipment													
	19' Scissor Lift	2.00		months		$	850.00		$ 1,700.00					
	45' Articulated lift	1.50		months		$	1,500.00		$ 2,250.00					
	66' boom lift	2.00		months		$	2,175.00		$ 4,350.00					
	Generator/fuel	4.00		ea		$	350.00		$ 1,400.00					
						Sub-15%			$ 14,045.25					
	Subtotals								$ 107,680.25			$	788,691.20	
						6.5% Sales Tax			*$ 6,086.00*					
									$ 113,766.25			Material +Equipment		$ 113,766.25
												Labor Cost		$ 788,691.20
												Sub Mark-up		incl
												CM O/HP 12%		$ 108,294.89
												Total Cost Work		$ 1,010,752.34

BULLETIN

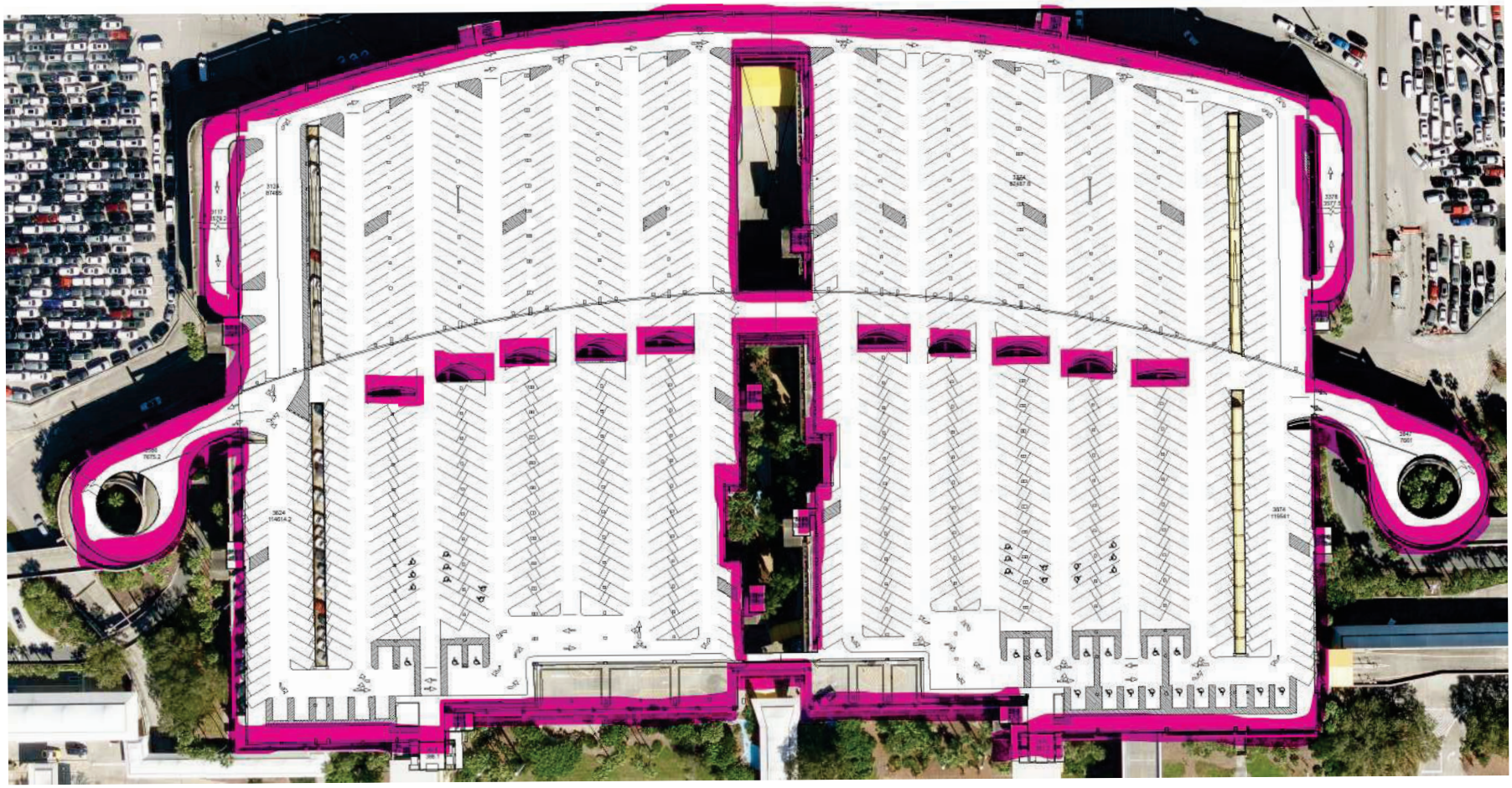
PROJECT NO. & NAME:	V-01110 Garage A Perimeter Railings Clean, Paint, and Repair (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	H W Davis Construction, Inc.	
DESIGNER / DCC*:	Click or tap here to enter text.	(*DCC – Design Criteria Consultant)
OAR:	Cost Management Inc., dba CMI	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The scope of work is to clean, repair, and paint approximately 46,093 LF of railings both on the perimeter and helix of Garage A as well as the stairwells and courtyard. The Contractor RCO is to establish unit price items for the associated work. The Contractor is responsible to ensure that the project, including any required submittals, complies with the following standards (current version at the time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC)	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.
	☐ Other	

☒ **ATTACHMENTS INCLUDED:**

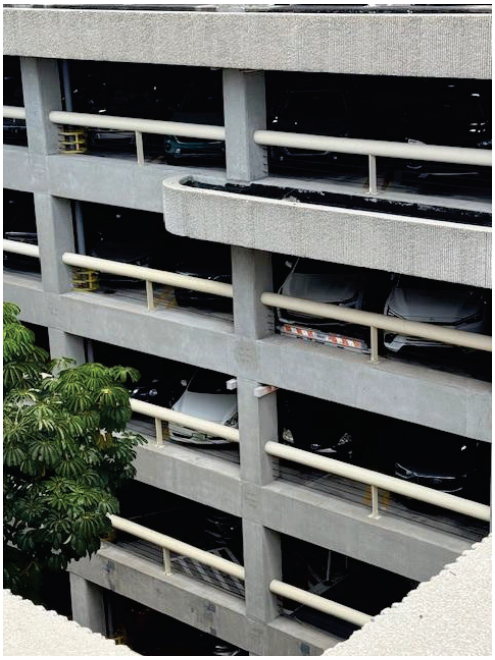
Discipline	Drawing No.	Revision Date	Revision Narrative
	Location Map	4/14/26	Location map
	Photos Doc	4/14/26	General Scope Picture



Terminal A-Clean, Repair and Paint Railings

Scope is highlighted area. This will include each of the 6 floors.

General Scope Photos of Railings at Parking Garage.



Greater Orlando Aviation Authority

Published By: Jennifer Woods
Reviewed By: Jeff Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01110 Garage A Perimeter Railings Clean, Paint, and Repair (D/B)	DATE: 4/28/26
CONTRACTOR:	H.W. Davis Construction, Inc	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT: RCO #1

Item #1 – Bulletin 1- Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) Initiative (RCO1). Provide all labor, equipment, and equipment to clean, paint and repair perimeter railings for Garage A. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $1,082,842.00

Item #2 – Allowance Reduction- Reduce the Garage A Perimeter Railings Clean, Paint, and Repair by ($1,082,842.00) from $3,000,000.00 to $1,927,158.00 to cover the costs of Item 1 above.

Deduct: ($1,082,842.00)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for item 1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 01	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,082,842.00	
GOAA/OAR Estimate	$ 1,010,752.34	
(a) Change Contract Amount By		**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 103,875.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$ 0.00**

Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$

PREPARED BY: Jennifer Woods PHONE: X4056

Published By: Jennifer Woods
Reviewed By: Jeff Reine

NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.				
GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street | Orlando, FL 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

BID FORM

Date: March 18, 2026

Project V-01110 Garage A Perimeter Paint
GOAA

I/We, the undersigned, hereby affirm that I/We have examined the site of the Project, have become fully informed relative to local conditions which may affect work, that I/We have examined all of this Project's Contract Documents and have a thorough and satisfactory concept of the work to be performed.

We propose to furnish all equipment, materials, labor and services required for construction of this Project in accordance with the Project's Contract Documents, and will complete the work within a 17 week schedule duration.

We acknowledge Addenda #: none

Dated:

BID: $1,082,842
(Write in Figures)

(One Million Eighty Two Thousand Eight Hundred Forty Two Dollars and No Cents)
(Write in Words)

Alternates: None

H.W. Davis Construction, Inc.
A Florida Corporation

John Glor
Project Manager

In submitting this Bid, the Bidder understands that the right is reserved by the Owner to reject any and all Bids. If written notice of the acceptance of this Bid is emailed, telegraphed or delivered to the Undersigned within twenty (20) days after the opening of thereof, the Undersigned agrees to execute and deliver an Agreement in the prescribed form within ten (l0) days after the Agreement is presented to him for signature.

Please see the attached bid breakdown which will become an attachment to the final contract.

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street * Orlando, Fl 32805
(407) 849-1212 * Fax (407) 839-4068
website - hwdavis.com

Bid Breakdown

Project:
V-01110 Garage A Perimeter Paint
GOAA

Bid Date: March 18, 2026

Division Number and Description		Cost
1	General Conditions	$144,582
2	Demolition/Cleanup	$0
3	Concrete	$0
4	Masonry	$0
5	Metals	$11,500
6	Wood and Plastics	$0
7	Sealants	$0
8	Doors and Windows	$0
9	Finishes	$915,578
10	Specialties	$0
11	Equipment	$0
12	Furnishings	$0
13	Special Construction	$0
14	Conveying Systems	$0
15	Plumbing	$0
16	Electrical	$0
	Sub Total	$1,071,660
	Bond	11,183
	Total	1,082,842

Scope:

Bid is based on drawing package provided by owner.
No permit costs are included.
Total duration figured at 17 weeks. Weekdays 1st shift.
3rd shift hours in high traffic pedestrian areas.

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street * Orlando, Fl 32805
(407) 849-1212 * Fax (407) 839-4068
E-mail info@hwdavis.com

Scope of Work

Project:
V-01110 Garage A Perimeter Paint
GOAA

March 18, 2026

Prepare surfaces in accordance with SSPC-SP-1, Solvent Cleaning. Prepare surfaces in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-SP-3, Power Tool Cleaning. Apply one (1) coat Macropoxy 646. Apply two(2) coats Sherloxane 800. Scope includes all yellow exterior building rails,hand rails,and bollards 1st shift and rental pedestrian bridge rails during 3rd shift. Excludes rails under roof canopies

No railings were identified as needing replacement during walk through.
$10,000.00 for replacement of up to 50 linear feet of railings is included in this proposal.

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street | Orlando, Fl 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

GENERAL ESTIMATE

Project:

V-01110 Garage A Perimeter Paint
GOAA

Add On: Material Tax	6.50%		Bid Date:	**03/18/26**
Labor Burden	42.00%		Today's Date:	03/18/26
Overhead and Profit	15.00%		Time:	12:38 PM
Bond (GOAA Method)	1.20% DB %		Linear Footage	**46,093**

Div.	Description	Material	Labor	Sub-Contractor	Sub Total	Total with T & B	Total with T-B-OH&P	Div Total No Bond	Cost Per LF
1	General Conditions	15,729	76,459	400	92,588	125,723	144,582		3.14
	Permit			0	0	0	0		0.00
	----------							144,582	
2	Demolition			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
3	Concrete			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
4	Masonry: CMU			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
5	Miscellaneous Metals			10,000	10,000	10,000	11,500		0.25
	Other			0	0	0	0		0.00
	----------							11,500	
6	Millwork			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
7	Sealants			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
8	Doors/Frames/Hrdwr			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
9	Metal Framing & Drywall			0	0	0	0		0.00
	Acoustical			0	0	0	0		0.00
	Flooring			0	0	0	0		0.00
	Painting			754,951	754,951	754,951	868,194		18.84
	Paint			41,203	41,203	41,203	47,384		1.03
	----------							915,578	
10	Toilet Partition			0	0	0	0		0.00
	Toilet / Bath Accessories			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
11	O.F.C.I.			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street | Orlando, Fl 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

GENERAL ESTIMATE

Project:

V-01110 Garage A Perimeter Paint
GOAA

Add On: Material Tax	6.50%	Bid Date:	**03/18/26**
Labor Burden	42.00%	Today's Date:	03/18/26
Overhead and Profit	15.00%	Time:	12:38 PM
Bond (GOAA Method)	1.20% DB %	Linear Footage	**46,093**

Div.	Description	Material	Labor	Sub-Contractor	Sub Total	Total with T & B	Total with T-B-OH&P	Div Total No Bond	Cost Per LF
12	Window Treatment			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
13	Metal Building			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
14	Elevator			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
15	H.V.A.C.			0	0	0	0		0.00
	Plumbing				0	0	0		0.00
	Fire Sprinkler			0	0	0	0		0.00
	----------							0	
16	Electrical			0	0	0	0		0.00
	Fire Alarm				0	0	0		0.00
								0	0.00
	Subtotal	15,729	76,459	806,555	898,743	931,878	1,071,660	1,071,660	23.25
	Tax - Labor Burden	1,022	32,113	0	33,135			No Bond	0.72
	Costs	16,751	108,572	806,555	931,878				20.22
	Overhead & Profit				139,782				3.03
	Subtotal				1,071,660				23.25
	Bond				11,183	(Bond x Cost Only)			0.24
	BID WITHOUT BUILDERS RISK				1,082,842				23.49
	Buiders Risk (this is added to Div 1 on the bid breakdown)				0				0.00
	Total Bid				1,082,842				23.49

H W DAVIS CONSTRUCTION, INC
CGC 056985

GENERAL CONDITIONS

Project: V-01110 Garage A Perimeter Paint
GOAA

Date: 03/18/26

Duration	Days		Weeks	Months
	120	Calendar	17.1	4.0
	103	Working		

	Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
1	1001	As Builts/Arch/Engineers	LS		LS			0	0	0
2	1050	Mobilize	M		LS	0			0	0
3	1100	Layout / Survey	S		LS			0	0	0
4	1150	Temporary Facilities								
5		Temporary Office	M		MO	0			0	
6		Storage Trailers	M		MO	0			0	
7		Office Supplies	M		MO	0			0	
8		Office Furniture	M		MO	0			0	
9		Toilet	M		MO	0			0	
10		Signs	M		LS	0			0	
11		Fire Protection	M		LS	0			0	
12		Drinking water	M		DY	0			0	
13		Labor	L		DY		0		0	
14		Photographs	M		MO	0			0	
15		Safety / First Aid	M	25	MO	100			100	
16		Testing	S	0	LS			0	0	
17	----------		1150 Subtotal							100
18	1200	Electric	M		MO	0			0	
19		Phones / Data								
20		Cell Phones	M	100	MO	400			400	
21		Land Line: Install	S		LS			0	0	
22		Monthly	M		MO	0			0	
23		Data Services	M		MO	0			0	
24		Water	M		MO	0			0	
25	----------		1200 Subtotal							400
26	1250	Temporary Equipment								
27		Scaffold	M		MO	0			0	
28		Hoist / Crane	M		MO	0			0	
29		ICRA: Partitions	M		MO	0			0	
30		ICRA: Matts/Filters	M		MO	0			0	
31		ICRA: Air Scrubers	M		MO	0			0	
32		Dust Control	M		MO	0			0	
33		Phasing	M		MO	0			0	
34		Trucks	M		MO	0			0	
35		Barricades	M	200	MO	800			800	
36		Tractor - Forklift	M		MO	0			0	

H W DAVIS CONSTRUCTION, INC
CGC 056985

GENERAL CONDITIONS

Project: V-01110 Garage A Perimeter Paint
GOAA

Date: 03/18/26

Duration	Days		Weeks	Months
	120	Calendar	17.1	4.0
	103	Working		

	Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
37		Generator	M		MO	0			0	
38		Vibrator	M		MO	0			0	
39		Small Tools	M	80	WK	1,371			1,371	
40		Misc. Materials	M		MO	0			0	
41		1250 Subtotal								2,171
42	1300	Temporary Security								
43		Fence	M		LS	0			0	
44		GOAA badging/parking	S	100	MO			400	400	
45		1300 Subtotal								400
46	1350	Truck Expense								
47		Pick-up	M	1,200	MO	4,800			4,800	
48		1350 Subtotal								4,800
49	1400	Fuel	M	250	WK	4,286			4,286	
50		Tolls	M		DY	0			0	
51		Parking Fees	M		DY	800			800	
52		1400 Subtotal								5,086
53	1500	Clean-up: Daily (8*27)	L	216	DY		22,248		22,248	
54		Daily Materials	M	10	DY	1,029			1,029	
55		Final	S		LS			0	0	
56		1500 Subtotal								23,277
57	1560	Dumpster (1 per Week)	W	125	WK	2,143			2,143	
58		1560 Subtotal								2,143
59		Site Administration								
60	1600	Superintendent-Prime	L	1,904	WK		32,640		32,640	
61		Super - Night Shift	L		WK		0		0	
62		Secondary Supt.	L		WK		0		0	
63		Secondary Supt.	L		WK		0		0	
64	1605	Project Manager	L	1,200	WK		20,571		20,571	
65		PM - Pre-Const Srvcs	LS		LS		1,000		1,000	
66		Travel Allowance	M		WK	0			0	
67		Per Deim Allowance	S		WK			0	0	
68		Misc.: Material	M		WK	0			0	
69		Labor	L		WK		0		0	
70		Subcontractor	S		WK			0	0	54,211
						15,729	76,459	400	92,588	92,588
		Sales Tax / Labor Burden				1,022	32,113	0	33,135	
		Subtotal				16,751	108,572	400	125,723	
		Overhead and Profit							18,858	

H W DAVIS CONSTRUCTION, INC
CGC 056985

GENERAL CONDITIONS

Project: V-01110 Garage A Perimeter Paint
GOAA

Date: 03/18/26

Duration	Days		Weeks	Months
	120	Calendar	17.1	4.0
	103	Working		

Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
	Subtotal							144,582	
	Bond							0	
	Total							144,582	

	Week	Month
General Conditions Cost	8,434	36,145

Bid Breakdown

Submitted By: Southern Painting & Blasting, LLC

Date: March 10, 2026
Project Name: V-01110 Perimeter Garage A
SPB Proposal #: **Z-032**
Duration: 80 Days

Scope: Prepare surfaces in accordance with SSPC-SP-1, Solvent Cleaning. Prepare surfaces in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-SP-3, Power Tool Cleaning. Apply one (1) coat Macropoxy 646. Apply two (2) coats Sherloxane 800. Scope includes all yellow exterior building rails, hand rails, and bollards 1st shift and rental pedestrian bridge rails during 3rd shift. Excludes rails under roof canopies. OWNER provides Parking access for vehicle

Labor Classification	Qty	Total Hours		Hourly Rate		Total
Painter Night	1	80	@	$ 28.75	/hr	$ 2,300.00
Lead Painter Night	1	80	@	$ 35.25	/hr	$ 2,820.00
Working Superintendent	1	256	@	$ 37.75	/hr	$ 9,664.00
Painter Day	18	640	@	$ 25.75	/hr	$ 296,640.00
Lead Painter Day	4	640	@	$ 32.25	/hr	$ 82,560.00
Project Manager			@	$ 40.00	/hr	$ -

Sub-Total Direct Labor:	$ 393,984.00	
Direct Labor Burden(42%): (taxes / insurance)	$ 165,473.28	
15% Mark-Up (OH&P):	$ 83,918.59	
Total Labor:		$ 643,375.87

Materials	Qty		Unit Price	Total
Macropoxy 646	560	@	$ 45.80	$ 25,648.00
Sherloxane 800	529	@	$ 88.70	$ 46,922.30
MEK	100	@	$ 32.47	$ 3,247.00
Denatured Alcohol	100	@	$ 21.96	$ 2,196.00
		@		$ -
Misc Sundries- Brushes,naps,tape, plastic	10	@	$ 279.59	$ 2,795.90
		@		$ -
generator	4	@	$ 297.00	$ 1,188.00
		@		$ -
fuel	250	@	$ 3.69	$ 922.50

Sub-Total Material:	$ 82,919.70	
Sales Tax on Materials:	$ 5,804.38	
15% Mark-Up (OH&P):	$ 13,308.61	
Total Materials:		$ 102,032.69

Equipment

	Qty		Unit Price	Total
19' scissor lift	2	@	$ 829.00	$ 1,658.00
45' articulated lift	1	@	$ 1,632.00	$ 1,632.00
66' boom lift	2	@	$ 2,024.00	$ 4,048.00
Delivery/Pickup	3	@	$ 320.00	$ 960.00

Sub-Total Equipment:	$ 8,298.00	
15% Mark-Up on Equip:	$ 1244.70	
Total Equipment:		$ 9,542.70

Subcontractors (attach proposals)

$ -

Sub-Total Subcontractors:	$ 0	
6% Mark-Up on Subs:	$ 0	
Total Subs:		$ 0

Accepted by:

Signature

Printed Name

Company

Sub-Total:		$ 754,951.26
Permits (if applicable)		$
Bonds (if applicable)		$
Total :		**$ 754,951.26**

KATCO Distributors, Inc.
Industrial & Electrical Supplies

QUOTE

2848 S. MELLONVILLE AVENUE
SANFORD, FL 32773
407-322-8998

3/10/2026

TO: H.W. DAVIS
1212 29TH STREET
ORLANDO, FL 32805

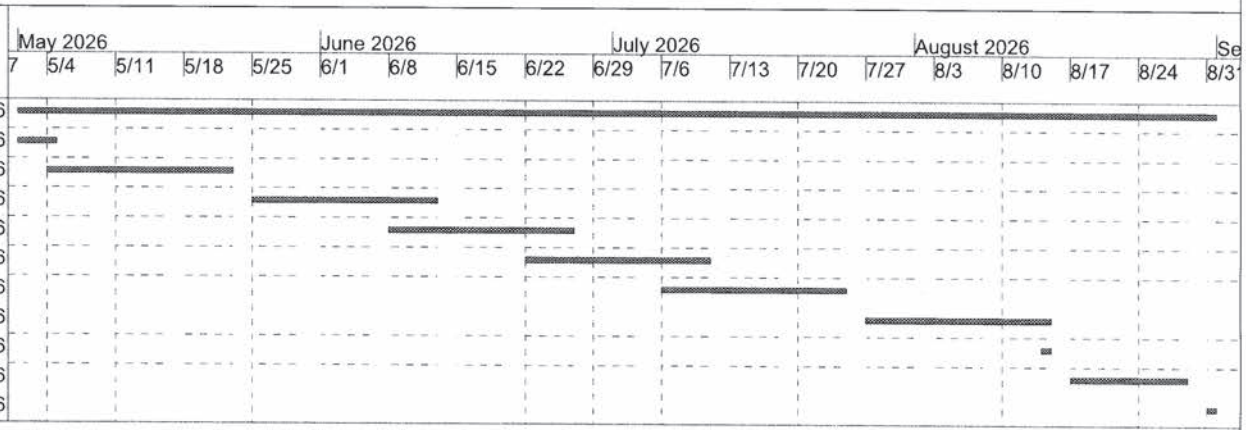
SHIP TO: JOBSITE OIA

REQ.BY	WHEN SHIP	SHIP VIA	FOB POINT	TERMS
JG	ASAP	BEST WAY	PREPAID	N30

QTY.ORD.	CAT NO.	DESCRIPTION	UNIT PRICE	TOTAL
451	GAL	SHER-LOXANE 800 PAINT SHERWIN WILLIAMS	$91.36	$41,203.36
			Tax	$2,497.20
			TOTAL	$43,700.56

Preliminary Schedule
V-01110 Garage A Perimeter Paint
GOAA

ID	Task Name	Duration	Start	Finish
1	Notice to Proceed	87 days	Fri 5/1/26	Mon 8/31/26
2	Mobilization	2 days	Fri 5/1/26	Mon 5/4/26
3	Level 6	15 days	Mon 5/4/26	Fri 5/22/26
4	Level 5	15 days	Mon 5/25/26	Fri 6/12/26
5	Level 4	15 days	Mon 6/8/26	Fri 6/26/26
6	Level 3	15 days	Mon 6/22/26	Fri 7/10/26
7	Level 2	15 days	Mon 7/6/26	Fri 7/24/26
8	Level 1	15 days	Mon 7/27/26	Fri 8/14/26
9	Schedule SC Walk	1 day	Fri 8/14/26	Fri 8/14/26
10	Punch	10 days	Mon 8/17/26	Fri 8/28/26
11	Substantial Completion Walk	1 day	Mon 8/31/26	Mon 8/31/26



Project Start Date: Fri 5/1/26
Project Finish Date: Mon 8/31/26
Run Date: Tue 3/17/26

H W Davis Construction, Inc.

V-01110- Garage A Perimeter Railings Clean,Paint and Repair (D/B)- OAR Estimate Completed Brian Gainous Cost Management, Inc., dba CMI														
		Takeoff Quantity		UOM	Material/Equipmemt Unit Cost			Material Cost		Labor Unit		Labor Cost		Total Cost
01 General Requirements														
	General Conditions													
	Contractor	1.00		LS						$	145,000.00	$	145,000.00	
	Subcontractor													
	Night Painter	80.00		HRS						$	40.80	$	3,264.00	
	Lead Night-Painter	80.00		HRS						$	50.00	$	4,000.00	
	Day Painter	11,520.00		HRS						$	36.50	$	420,480.00	
	Lead Day Painter	2,560.00		HRS						$	45.80	$	117,248.00	
	Superintendent	275.00		HRS						$	53.60	$	14,740.00	
											Sub -15%	$	83,959.20	
	Materials							$ -		$	-	$	-	
	Macropoxy 646	560.00		SF		$	48.50		$ 27,160.00					
	Sherloxane 800	550.00		SF		$	90.50		$ 49,775.00					
	MEK	100.00		SF		$	22.50		$ 2,250.00					
	Denatured Alcohol	100.00		SF		$	22.50		$ 2,250.00					
	Misc.(Brushes,tape,plastic,naps)	1.00		LS		$	2,500.00		$ 2,500.00					
	Equipment													
	19' Scissor Lift	2.00		months		$	850.00		$ 1,700.00					
	45' Articulated lift	1.50		months		$	1,500.00		$ 2,250.00					
	66' boom lift	2.00		months		$	2,175.00		$ 4,350.00					
	Generator/fuel	4.00		ea		$	350.00		$ 1,400.00					
						Sub-15%			$ 14,045.25					
	Subtotals								$ 107,680.25			$	788,691.20	
						6.5% Sales Tax			*$ 6,086.00*					
									$ 113,766.25			Material +Equipment		$ 113,766.25
												Labor Cost		$ 788,691.20
												Sub Mark-up		incl
												CM O/HP 12%		$ 108,294.89
												Total Cost Work		$ 1,010,752.34

BULLETIN

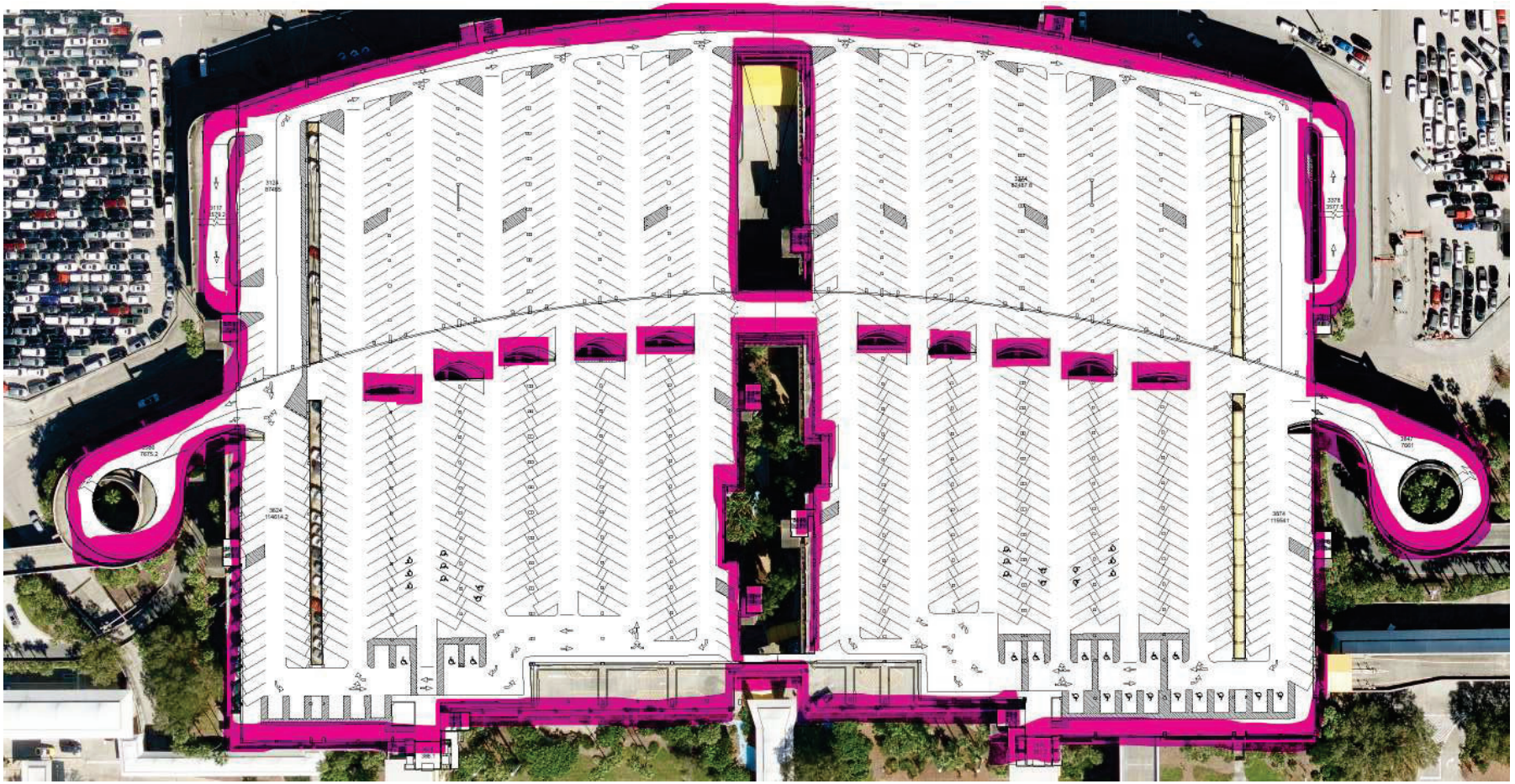
PROJECT NO. & NAME:	V-01110 Garage A Perimeter Railings Clean, Paint, and Repair (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	H W Davis Construction, Inc.	
DESIGNER / DCC*:	Click or tap here to enter text.	(*DCC – Design Criteria Consultant)
OAR:	Cost Management Inc., dba CMI	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The scope of work is to clean, repair, and paint approximately 46,093 LF of railings both on the perimeter and helix of Garage A as well as the stairwells and courtyard. The Contractor RCO is to establish unit price items for the associated work. The Contractor is responsible to ensure that the project, including any required submittals, complies with the following standards (current version at the time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC)	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.
	☐ Other	

☒ **ATTACHMENTS INCLUDED:**

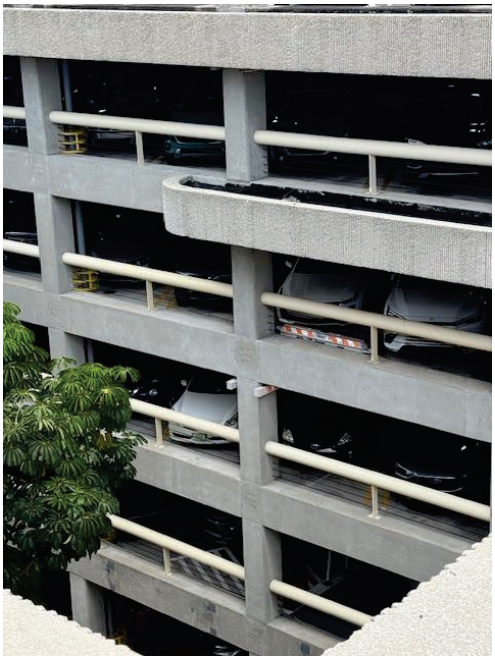
Discipline	Drawing No.	Revision Date	Revision Narrative
	Location Map	4/14/26	Location map
	Photos Doc	4/14/26	General Scope Picture



Terminal A-Clean, Repair and Paint Railings

Scope is highlighted area. This will include each of the 6 floors.

General Scope Photos of Railings at Parking Garage.



Greater Orlando Aviation Authority

Published By: Jennifer V
Reviewed By: Jeff Reine

CCM HANDOUT
4/28/2026
Item III-L
Full Item
Replacement

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	V-01111 Garage B Perimeter Railings Clean, Paint, and Repair (D/B)	DATE:	4/28/26
CONTRACTOR:	H.A. Contracting Corporation		
A/E:	N/A		

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 – Bulletin 1- Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) Initiative (Rev3). Provide all labor, equipment, and equipment to clean, paint and repair perimeter railings for Garage B.

The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $1,913,310.00

Item #2 – Allowance Reduction- Reduce the Garage B Perimeter Railings Clean, Paint, and Repair by ($1,913,310.00) from $3,000,000.00 to $1,086,690.00 to cover the costs of Item #1 above.

Deduct: ($1,913,310.00)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,913,310.00	
GOAA/OAR Estimate	$ 1,694,158.50	
(a) Change Contract Amount By		**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 9,8025.00

Published By: Jennifer Woods
Reviewed By: Jeff Reine

(d) Total Cost Impact of this Change (d = a + b + c)		**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$ 0.00
PREPARED BY: Jennifer Woods		PHONE: x4056

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed: 4/27/26	Initials of Reviewer: DM	Verification of Funding by Finance: Melvin Martinez

H.A.CONTRACTING

April 21, 2026

RCO 001

Ms. Jennifer Woods

Greater Orlando Airport Authority

11306 Terminal C Service Road

Orlando, FL 32835

Re: V-01111- Garage B Railing Recoating- Rev 3

Dear Ms. Woods,

Thank you for the opportunity to provide a proposal for the above-referenced project. The H.A. Contracting team has the experience and staff available to complete this project by 9/30/2026.

Our cost proposal is attached and is based on the following clarifications:

1) Scope includes the preparation and re-coating of the following surfaces:
    a. 10" diameter steel railings including vertical support steel and base plates.
    b. Stair railings
    c. Exterior of courtyard canopy. Supports under courtyard canopy are not included.
    d. Miscellaneous steel railings in the courtyard.
    e. SW B58W00610 Macropoxy 646 base coat with SW SHRLXN800 finish coat
2) Scope includes rust repairs to items listed above as necessary.
3) Scope include replacement of corroded/damages handrail support posts and bases.
    a. Cost assumes a revised attachment method will be utilized.
    b. Replacement of additional 10" dia tube steel support legs may be added at $2,100/each.
    c. Replacement of additional handrail sections (up to 12" in length) may be added at $1,100/each.
4) Parking lane closures will be provided by Parking Management. H.A. Contracting will provide barricades on ramps as required.
5) Existing lightning protection will be left in place.
6) Pricing is valid for 60 days.
7) 40 hours per week, standard shift work.
8) Payment and Performance Bonds are included
9) No permitting is required.
10) Subcontractors as follows:
    a. Praise Contracting LLC- LDB
    b. First American Steel Erectors- LDB
11) Final completion on 9/30/26.

H.A.CONTRACTING

Please contact me with any questions.

Sincerely,

Carl Leneis

Chief Estimator

H.A. Contracting Corp.

H.A.CONTRACTING
GENERATIONS OF EXCELLENCE

04/23/2026

Orlando Airport Projects

V-01111 Garage B Railing Recoating

Detailed Estimate

Name	Quantity	UOM	Unit Cost	Total
0010 - General Requirements				**59,156.20**
Portable Toilets	20	MO	125.00	2,500.00
Dumpster	6	EA	600.00	3,600.00
Storage Conex	10	MO	350.00	3,500.00
Scissor Lift	5	MO	715.24	3,576.20
Aerial Lift- 80'	5	MO	5,803.00	29,015.00
Traffic Controls- Barricades**- Praise**	2	MO	6,682.50	13,365.00
PPE and Safety Supplies	12	EA	300.00	3,600.00
0011 - General Conditions				**229,596.87**
Project Manager	5	MO	11,000.00	55,000.00
Superintendent	5	MO	14,000.00	70,000.00
Assistant Superintendent**- Praise**	5	MO	9,750.00	48,750.00
Project Administrator- AR/AP, Payroll	3	MO	9,782.29	29,346.87
Field Office Costs	5	MO	2,500.00	12,500.00
Steel Design Fees	80	HR	175.00	14,000.00
0510 - Structural Steel				**395,960.80**
10" Dia Railing Supports- Remove Existing**- First American Steel**	181	EA	545.60	98,753.60
10" Dia Railing Supports- Fabricate New Support**- First American Steel**	181	EA	955.90	173,017.90
10" Dia Railing Supports- Install New Support**- First American Steel**	181	EA	545.60	98,753.60
Railings- Remove Damage Section	23	EA	192.65	4,430.95
Railings- Fabricate New	23	EA	602.95	13,867.85
Railings-Install New Railing	23	EA	310.30	7,136.90
0990 - Painting & Wallcovering				**956,914.14**
Paint Exposed Steel- 10" Dia Railings- BP 115	83,640	SF	4.45	372,198.00
Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 115	19,177	LF	5.64	108,158.28
Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 115	6,392	EA	14.59	93,259.28
Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 239	2,688	EA	14.59	39,217.92
Paint Exposed Steel- 10" Dia Railings- BP 239	35,168	SF	4.45	156,497.60
Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 239	8,063	LF	5.64	45,475.32
Paint Exterior Handrails- Stairs- 3" Dia- BP 115	1,924	LF	18.44	35,478.56
Paint Exterior Handrails- Stairs- 3" Dia- BP 239	1,203	LF	18.44	22,183.32
Protect Existing- BP 115	31,962	LF	1.86	59,449.32
Protect Existing- BP 239	13,439	LF	1.86	24,996.54

Name	Quantity	UOM	Unit Cost	Total
Total Direct Cost of Work				**1,641,628.01**
GC Bonds				29,700.00
Subcontractor Bonds				-
General Liability and Workers Comp				39,940.35
Builders Risk				-
Permits				-
Overhead and Profit				256,606.62
Total Estimated Cost				**1,967,874.98**

19 ft. Scissor Lift, Electric, Narrow

Cat Class: 300-2000

View on Jobsite

Opens an interactive 3D model on your phone.

Zero Emissions

Rates for Orlando, FL

$131/day **$264**/week **$492**/month

Exclusive rates, only online.

Estimated Cost $3,527.04

Item cost	$2,952.00
Transportation to/from jobsite	$516.00
Environmental fee	$59.04

Estimated cost is based on variables such as location, dates/duration of rental and transportation selections. Modifying those variables could change your estimated cost. Rates shown are only available online. To get these exclusive rates, rent from our website or app.

3,527.04 +229.25 (Sales Tax)=
3,756.20 Total

Hide cost details

1

Product description

Easily complete your elevated indoor work with this compact electric scissor lift rental from United Rentals. We carry trusted manufacturers such as Genie, Skyjack, JLG and more to ensure you get the best equipment available for your project. With a maximum lift height of up to 19' and a narrow platform width, you can effortlessly maneuver through most standard doorways and narrow aisles.

- Maximum lift height up to 19' depending on the model
- Fume-free electric power
- Narrow platform width
- Maximum platform capacity of up to 500 lbs. depending on model
- Uses: Ideal for construction, industrial maintenance and warehouse applications on smooth slab surfaces

84-86 ft. Telescopic Boom Lift, Diesel or Gas/LP

Cat Class: 310-8526

View on Jobsite

Opens an interactive 3D model on your phone.

Rates for Orlando, FL

$875/day **$2,234**/week **$4,438**/month

Exclusive rates, only online.

Estimated Cost **$27,247.48**

Item cost	$26,174.00
Transportation to/from jobsite	$550.00
Environmental fee	$523.48

Estimated cost is based on variables such as location, dates/duration of rental and transportation selections. Modifying those variables could change your estimated cost. Rates shown are only available online. To get these exclusive rates, rent from our website or app.

Hide cost details

27,247.48 +1,771.08 (sales tax) = 29,018.56

1

Product description

This 84' to 86' straight boom lift can be raised, lowered and extended horizontally while the work platform remains stable and straight, making it ideal for elevated maintenance, construction and more. Hydrostatic drive, positive traction, oscillation axles and proportional controls make driving the boom lift smooth and easy. Brands include JLG, Skyjack and more.

- Maximum lift height 84-86 ft. depending on model
- Jib may be included depending on model; models vary by location
- Diesel or gas/LP may be available; models vary by location
- 4WD for increased traction
- Uses: Ideal for elevated outdoor and maintenance work

PRAISE CONTRACTING

RCO-001

P.O Box 781789
Orlando, FL 32878
Phone: (407) 864-5481
Email: info@praisecc.com

Date: April 21, 2026

H A Contracting Corp
Attn: Carl Leneis
407-777-6620

Project: Orlando Airport- Proposal- V-1111 Garage B Railings

Praise Contracting is pleased to present to you our proposal for the following scopes below on the above referenced project. This cost includes labor and materials.

Project supervision and safety management services for this project - ~~$40,000~~ and traffic control - Barricades

LUMP SUM $62,115 cu

Carl P Leneis

If you have any questions, please contact me at 407.864.5481

GOAA

Sincerely,
PRAISE CONTRACTING

Antonio Jackson

FIRST AMERICAN STEEL ERECTORS CORP.

H. A. Contracting Corporation
9500 NW 12th Street, Bay 1
Doral, FL 33172
(407) 777-6620

RCO-001

Mr. Carl Leneis,

April 22, 2026

After conducting a walk-through of Parking Garage B, several sections of the existing steel handrails and guardrails were observed to be significantly deteriorated, to the extent that structural stability may be compromised.

Based on current conditions, the estimated cost of labor alone—excluding materials and forklift if needed, for the removal and replacement of the affected steel sections is ~~approximately~~ ~~$240,000.00~~ a lump sum of $370,525.10. Carl P Leneis

It is anticipated that H A Contracting will assist First American Steel Erectors in securing the work areas to ensure public safety during the execution of this work.

Thank you,

GOAA

Kevin Doxtater – President/Estimator
407-687-1528
kevindfase@aol.com

V-01111- Garage B Perimeter Railings Clean,Paint and Repair (D/B)- OAR Estimate Completed Brian Gainous Cost Management, Inc., dba CMI						
		Takeoff Quantity	UOM	Material/Equipmemt Unit Cost	Material Cost	Labor Unit	Labor Cost	Total Cost
01 General Requirements								
	General Requirments							
	Portable Toilets	20	MO			$ 125.00	$ 2,500.00	
	Dumpster	6	EA			$ 600.00	$ 3,600.00	
	Storage Container	10	MO			$ 350.00	$ 3,500.00	
	Safety Materials	12	EA			$ 300.00	$ 3,600.00	
	General Conditions							
	Project Executive	200.00	HR			$ 85.00	$ 17,000.00	
	Project Manager	800.00	HR			$ 75.00	$ 60,000.00	
	Superintendent	800.00	HR			$ 65.50	$ 52,400.00	
	Project Admin	600.00	HR			$ 45.00	$ 27,000.00	
	MOT/Traffic Control	800.00	HR			$ 53.85	$ 43,080.00	
	Field Office	1.00	LS			$ 2,000.00	$ 2,000.00	
	Photos	5.00	MO			$ 500.00	$ 2,500.00	
	Painting							
	Paint Exposed Steel- 10" Dia Railings- BP 115	83,640.00	SF			$ 4.50	$ 376,380.00	
	Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 115	19,177.00	LF			$ 3.75	$ 71,913.75	
	Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 115	6,392.00	EA			$ 4.50	$ 28,764.00	
	Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 239	2,688.00	SF			$ 4.50	$ 12,096.00	
	Paint Exposed Steel- 10" Dia Railings- BP 239	35,168.00	SF			$ 3.75	$ 131,880.00	
	Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 239	8,063.00	SF			$ 15.00	$ 120,945.00	
	Paint Exterior Handrails- Stairs- 3" Dia- BP 115	1,924.00	LF			$ 2.00	$ 3,848.00	
	Paint Exterior Handrails-Stairs 3"-239	1,202.50	LF			$ 18.50	$ 22,246.25	
	Paint Exterior Handrails-Stairs 3"-115	1,924.00	LF			$ 18.50	$ 35,594.00	
	Paint Exterior Handrails- Stairs- 3" Dia- BP 239	1,203.00	LF			$ 2.00	$ 2,406.00	
	Protect Existing- BP 115	31,962.00	LF			$ 2.00	$ 63,924.00	
	Protect Existing- BP 239	13,439.00	LF			$ 2.00	$ 26,878.00	
	Structural Steel							
	10" Dia Railing Supports- Remove Existing	175.00	EA			$ 545.00	$ 95,375.00	
	10" Dia Railing Supports- Fabricate New Support	175.00	EA			$ 632.00	$ 110,600.00	
	10" Dia Railing Supports- Install New Support	175.00	EA			$ 545.00	$ 95,375.00	
	Railings- Remove Damage Section	25.00	EA			$ 194.50	$ 4,862.50	
	Railings- Fabricate New	25.00	EA			$ 342.00	$ 8,550.00	
	Railings-Install New Railing	25.00	EA			$ 342.00	$ 8,550.00	
	Structural Design	80.00	HR			$ 95.50	$ 7,640.00	
	Materials				$ -	$ -	$ -	
	Macropoxy 646	0.00	SF	$ 48.50	$ -			
	Sherloxane 800	0.00	SF	$ 90.50	$ -			
	MEK	0.00	SF	$ 22.50	$ -			
	Denatured Alcohol	0.00	SF	$ 22.50	$ -			
	Misc.(Brushes,tape,plastic,naps)	0.00	LS	$ 2,500.00	$ -			

	Equipment											
	19' Scissor Lift	24.00		WK		$ 600.00		$ 14,400.00				
	80' Articulated lift	4.00		WK		$ 4,500.00		$ 18,000.00				
	Subtotals							$ 32,400.00			$ 1,445,007.50	
						6.5% Sales Tax						
								$ 32,400.00			Material +Equipment	$ 32,400.00
											Labor Cost	$ 1,445,007.50
											Sub Mark-up	incl
											CM O/HP 15%	$ 216,751.00
											Total Cost Work	$ 1,694,158.50

BULLETIN

PROJECT NO. & NAME:	V-01111 Garage B Perimeter Railings Clean, Paint, and Repair (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:	4/28/26	
CONTRACTOR:	H A Contracting Corp	
DESIGNER / DCC*:		(*DCC – Design Criteria Consultant)
OAR:	Cost Management Inc., dba CMI	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The scope of work is to clean, paint and repair approximately 46,093 linear feet the railings both on the perimeter and helix of Garage B as well as the stairwells and courtyard. The Contractor RCO is to establish unit price items for the associated work. The Contractor is responsible to ensure that the project, including any required submittals, complies with the following standards (current version at the time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC).	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.
	☐ Other	

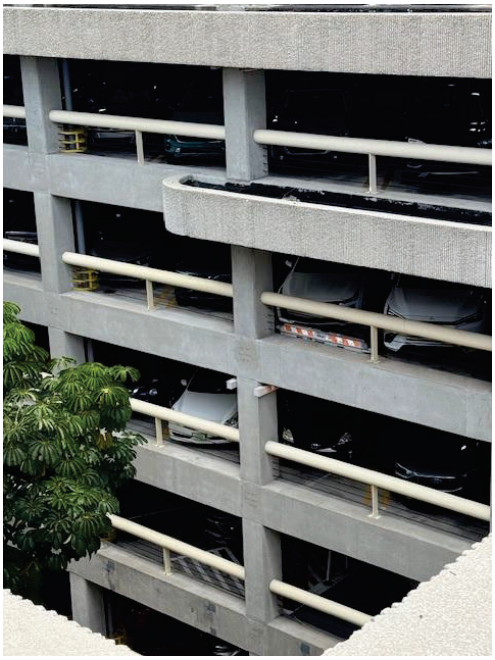
☒ **ATTACHMENTS INCLUDED:**

Discipline	Drawing No.	Revision Date	Revision Narrative
	Location Map	4/14/26	Location map
	Photos Doc	4/14/26	General Scope Picture

Terminal B-Clean, Repair and Paint Railings

Scope is highlighted area. This will include each of the 6 floors.

General Scope Photos of Railings at Parking Garage.



Greater Orlando Aviation Authority

Published By: Jennifer Woods
Reviewed By: Jeff Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01111 Garage B Perimeter Railings Clean, Paint, and Repair (D/B)	DATE:	04/28/26
CONTRACTOR:	H.A. Contracting Corporation		
A/E:	N/A		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Bulletin 1- Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) Initiative (Rev3). Provide all labor, equipment, and equipment to clean, paint and repair perimeter railings for Garage B.

The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $1,913,310.00

Item #2 – Allowance Reduction- Reduce the Garage B Perimeter Railings Clean, Paint, and Repair by ($1,913,310.00) from $3,000,000.00 to $1,086,690.00 to cover the costs of Item #1 above.

Deduct: ($1,913,310.00)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,913,310.00	
GOAA/OAR Estimate	$ 1,694,158.50	
(a) Change Contract Amount By		**$ 0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 98,025.00

Published By: Jennifer Woods
Reviewed By: Jeff Reine

(d) Total Cost Impact of this Change (d = a + b + c)		**$ 0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$ 0.00
PREPARED BY: Jennifer Woods		PHONE: x4056

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

H.A.CONTRACTING

April 21, 2026

Ms. Jennifer Woods

Greater Orlando Airport Authority

11306 Terminal C Service Road

Orlando, FL 32835

Re: V-01111- Garage B Railing Recoating- Rev 3

Dear Ms. Woods,

Thank you for the opportunity to provide a proposal for the above-referenced project. The H.A. Contracting team has the experience and staff available to complete this project by 9/30/2026.

Our cost proposal is attached and is based on the following clarifications:

1) Scope includes the preparation and re-coating of the following surfaces:
    a. 10" diameter steel railings including vertical support steel and base plates.
    b. Stair railings
    c. Exterior of courtyard canopy. Supports under courtyard canopy are not included.
    d. Miscellaneous steel railings in the courtyard.
    e. SW B58W00610 Macropoxy 646 base coat with SW SHRLXN800 finish coat
2) Scope includes rust repairs to items listed above as necessary.
3) Scope include replacement of corroded/damages handrail support posts and bases.
    a. Cost assumes a revised attachment method will be utilized.
    b. Replacement of additional 10" dia tube steel support legs may be added at $2,100/each.
    c. Replacement of additional handrail sections (up to 12" in length) may be added at $1,100/each.
4) Parking lane closures will be provided by Parking Management. H.A. Contracting will provide barricades on ramps as required.
5) Existing lightning protection will be left in place.
6) Pricing is valid for 60 days.
7) 40 hours per week, standard shift work.
8) Payment and Performance Bonds are included
9) No permitting is required.
10) Subcontractors as follows:
    a. Praise Contracting LLC- LDB
    b. First American Steel Erectors- LDB
11) Final completion on 9/30/26.

H.A.CONTRACTING

Please contact me with any questions.

Sincerely,

Carl Leneis

Chief Estimator

H.A. Contracting Corp.

H.A.CONTRACTING
GENERATIONS OF EXCELLENCE

04/22/2026

Orlando Airport Projects

V-01111 Garage B Railing Recoating

Detailed Estimate

Name	Quantity	UOM	Unit Cost	Total
0010 - General Requirements				**59,159.76**
Portable Toilets	20	MO	125.00	2,500.00
Dumpster	6	EA	600.00	3,600.00
Storage Conex	10	MO	350.00	3,500.00
Scissor Lift	5	MO	715.24	3,576.20
Aerial Lift- 80'	5	MO	5,803.71	29,018.56
Parking Meter Fees	-	MO	445.50	-
Traffic Controls- Barricades	2	MO	6,682.50	13,365.00
PPE and Safety Supplies	12	EA	300.00	3,600.00
0011 - General Conditions				**224,705.72**
Project Manager	5	MO	11,000.00	55,000.00
Superintendent	5	MO	14,000.00	70,000.00
Assistant Superintendent	5	MO	9,750.00	48,750.00
Project Administrator- AR/AP, Payroll	3	MO	9,782.29	24,455.72
Field Office Costs	5	MO	2,500.00	12,500.00
Steel Design Fees	80	HR	175.00	14,000.00
0510 - Structural Steel				**395,960.80**
10" Dia Railing Supports- Remove Existing	181	EA	545.60	98,753.60
10" Dia Railing Supports- Fabricate New Support	181	EA	955.90	173,017.90
10" Dia Railing Supports- Install New Support	181	EA	545.60	98,753.60
Railings- Remove Damage Section	23	EA	192.65	4,430.95
Railings- Fabricate New	23	EA	602.95	13,867.85
Railings-Install New Railing	23	EA	310.30	7,136.90
0990 - Painting & Wallcovering				**956,355.82**
Paint Exposed Steel- 10" Dia Railings- BP 115	83,640	SF	4.45	371,844.23
Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 115	19,177	LF	5.64	108,188.17
Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 115	6,392	EA	14.59	93,249.14
Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 239	2,688	EA	14.59	39,208.28
Paint Exposed Steel- 10" Dia Railings- BP 239	35,168	SF	4.45	156,348.62
Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 239	8,063	LF	5.64	45,489.67
Paint Exterior Handrails- Stairs- 3" Dia- BP 115	1,924	LF	18.44	35,469.90
Paint Exterior Handrails- Stairs- 3" Dia- BP 239	1,203	LF	18.44	22,168.69

Name	Quantity	UOM	Unit Cost	Total
Protect Existing- BP 115	31,962	LF	1.86	59,409.37
Protect Existing- BP 239	13,439	LF	1.86	24,979.74
Total Direct Cost of Work				**1,636,182**
GC Bonds				29,700.00
Subcontractor Bonds				-
General Liability and Workers Comp				39,825.27
Builders Risk				-
Permits				-
Overhead and Profit				255,856.10
Total Estimated Cost				**1,961,563.47**

19 ft. Scissor Lift, Electric, Narrow

Cat Class: 300-2000

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3,527.04 +229.25 (Sales Tax)=
3,756.20 Total

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1

Product description

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Estimated Cost **$27,247.48**

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Estimated cost is based on variables such as location, dates/duration of rental and transportation selections. Modifying those variables could change your estimated cost. Rates shown are only available online. To get these exclusive rates, rent from our website or app.

Hide cost details

27,247.48 +1,771.08 (sales tax) = 29,018.56

1

Product description

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- Maximum lift height 84-86 ft. depending on model
- Jib may be included depending on model; models vary by location
- Diesel or gas/LP may be available; models vary by location
- 4WD for increased traction
- Uses: Ideal for elevated outdoor and maintenance work

P.O Box 781789
Orlando, FL 32878
Phone: (407) 864-5481
Email: info@praisecc.com

Date: April 21, 2026

H A Contracting Corp
Attn: Carl Leneis
407-777-6620

Project: **Orlando Airport- Proposal- V-1111 Garage B Railings**

Praise Contracting is pleased to present to you our proposal for the following scopes below on the above referenced project. This cost includes labor and materials.

Project supervision and safety management services for this project - **$40,000**

If you have any questions, please contact me at 407.864.5481

Sincerely,
PRAISE CONTRACTING

Antonio Jackson

Gmail

Carl Leneis <carl@hacontracting.com>

Orlando Airport- Garage B Railing Repairs

Kevin Doxtater <kevindfase@aol.com> Mon, Apr 20, 2026 at 9:47 AM
Reply-To: Kevin Doxtater <kevindfase@aol.com>
To: carl@hacontracting.com

The price I sent was to fix all rust spots if just fixing what steel needing replacement not including a forklift if we need on at the end I was thinking around $240,000 for labor

Sent from AOL on Android
[Quoted text hidden]

V-01111- Garage B Perimeter Railings Clean,Paint and Repair (D/B)- OAR Estimate Completed Brian Gainous Cost Management, Inc., dba CMI														
		Takeoff Quantity		UOM		Material/Equipmemt Unit Cost		Material Cost			Labor Unit		Labor Cost	Total Cost
01 General Requirements														
	General Requirments													
	Portable Toilets	20		MO							$ 125.00		$ 2,500.00	
	Dumpster	6		EA							$ 600.00		$ 3,600.00	
	Storage Container	10		MO							$ 350.00		$ 3,500.00	
	Safety Materials	12		EA							$ 300.00		$ 3,600.00	
	General Conditions													
	Project Executive	200.00		HR							$ 85.00		$ 17,000.00	
	Project Manager	800.00		HR							$ 75.00		$ 60,000.00	
	Superintendent	800.00		HR							$ 65.50		$ 52,400.00	
	Project Admin	600.00		HR							$ 45.00		$ 27,000.00	
	MOT/Traffic Control	800.00		HR							$ 53.85		$ 43,080.00	
	Field Office	1.00		LS							$ 2,000.00		$ 2,000.00	
	Photos	5.00		MO							$ 500.00		$ 2,500.00	
	Painting													
	Paint Exposed Steel- 10" Dia Railings- BP 115	83,640.00		SF							$ 4.50		$ 376,380.00	
	Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 115	19,177.00		LF							$ 3.75		$ 71,913.75	
	Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 115	6,392.00		EA							$ 4.50		$ 28,764.00	
	Paint Exposed Steel- 10" Dia Railings Support Base (3" x 6) - BP 239	2,688.00		SF							$ 4.50		$ 12,096.00	
	Paint Exposed Steel- 10" Dia Railings- BP 239	35,168.00		SF							$ 3.75		$ 131,880.00	
	Paint Exposed Steel- 10" Dia Railing Support Tube (2" x 4")- BP 239	8,063.00		SF							$ 15.00		$ 120,945.00	
	Paint Exterior Handrails- Stairs- 3" Dia- BP 115	1,924.00		LF							$ 2.00		$ 3,848.00	
	Paint Exterior Handrails-Stairs 3"-239	1,202.50		LF							$ 18.50		$ 22,246.25	
	Paint Exterior Handrails-Stairs 3"-115	1,924.00		LF							$ 18.50		$ 35,594.00	
	Paint Exterior Handrails- Stairs- 3" Dia- BP 239	1,203.00		LF							$ 2.00		$ 2,406.00	
	Protect Existing- BP 115	31,962.00		LF							$ 2.00		$ 63,924.00	
	Protect Existing- BP 239	13,439.00		LF							$ 2.00		$ 26,878.00	
	Structural Steel													
	10" Dia Railing Supports- Remove Existing	175.00		EA							$ 545.00		$ 95,375.00	
	10" Dia Railing Supports- Fabricate New Support	175.00		EA							$ 632.00		$ 110,600.00	
	10" Dia Railing Supports- Install New Support	175.00		EA							$ 545.00		$ 95,375.00	
	Railings- Remove Damage Section	25.00		EA							$ 194.50		$ 4,862.50	
	Railings- Fabricate New	25.00		EA							$ 342.00		$ 8,550.00	
	Railings-Install New Railing	25.00		EA							$ 342.00		$ 8,550.00	
	Structural Design	80.00		HR							$ 95.50		$ 7,640.00	
	Materials							$ -			$ -		$ -	
	Macropoxy 646	0.00		SF		$ 48.50		$ -						
	Sherloxane 800	0.00		SF		$ 90.50		$ -						
	MEK	0.00		SF		$ 22.50		$ -						
	Denatured Alcohol	0.00		SF		$ 22.50		$ -						
	Misc.(Brushes,tape,plastic,naps)	0.00		LS		$ 2,500.00		$ -						

	Equipment											
	19' Scissor Lift	24.00		WK		$ 600.00		$ 14,400.00				
	80' Articulated lift	4.00		WK		$ 4,500.00		$ 18,000.00				
	Subtotals							$ 32,400.00			$ 1,445,007.50	
						6.5% Sales Tax						
								$ 32,400.00			Material +Equipment	$ 32,400.00
											Labor Cost	$ 1,445,007.50
											Sub Mark-up	incl
											CM O/HP 15%	$ 216,751.00
											Total Cost Work	$ 1,694,158.50

BULLETIN

PROJECT NO. & NAME:	V-01111 Garage B Perimeter Railings Clean, Paint, and Repair (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:	4/28/26	
CONTRACTOR:	H A Contracting Corp	
DESIGNER / DCC*:		(*DCC – Design Criteria Consultant)
OAR:	Cost Management Inc., dba CMI	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods, GOAA PM	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport (BAT) Initiative** The scope of work is to clean, paint and repair approximately 46,093 linear feet the railings both on the perimeter and helix of Garage B as well as the stairwells and courtyard. The Contractor RCO is to establish unit price items for the associated work. The Contractor is responsible to ensure that the project, including any required submittals, complies with the following standards (current version at the time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC).	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Contract modification for defined scope within the contract allowance.
	☐ Design E&O	Click or tap here to enter text.
	☐ Other	

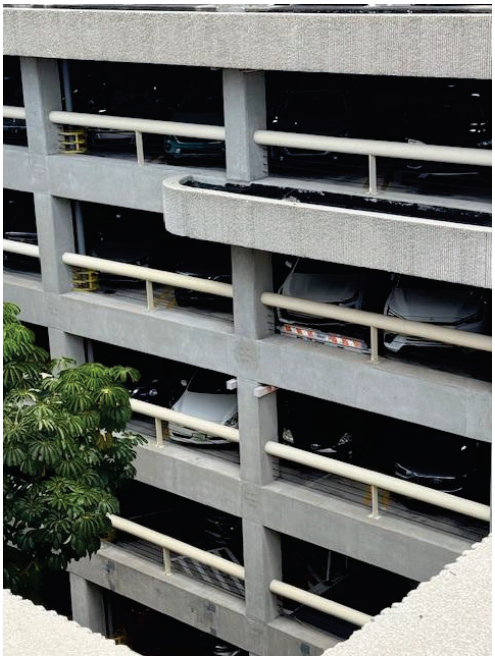
☒ **ATTACHMENTS INCLUDED:**

Discipline	Drawing No.	Revision Date	Revision Narrative
	Location Map	4/14/26	Location map
	Photos Doc	4/14/26	General Scope Picture

Terminal B-Clean, Repair and Paint Railings

Scope is highlighted area. This will include each of the 6 floors.

General Scope Photos of Railings at Parking Garage.



Greater Orlando Aviation Authority

Published By: Jennifer V
Reviewed By: Jeff Reine

CCM HANDOUT 4/28/2026 Item III-M Full Item Replacement

CHANGE ORDER AGENDA FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $0.00	Extension Of Time (Subst.):	0 Days
		Extension Of Time (Final):	0 Days

CONTRACT NO. & DESCRIPTION:	V-01112 Terminals A & B Level 1 Stair Enclosure (D/B)	DATE:	4/28/26
CONTRACTOR:	Collage Design & Construction Group, Inc. dba The Collage Companies		
A/E:	N/A		

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 –Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative. Provide all labor, material, and equipment to enclose four emergency egress stairs located at Terminals A & B Level 1. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $618,301.22

Item #2 – Allowance Reduction-Reduce the allowance of the allowance by ($618,301.22) from $1,200,000.00 to $584,698.78 to cover the costs of Item #1 above.

Deduct: ($618,301.22)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐

EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	N/A	

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 618,301.22		
GOAA/OAR Estimate	$ 631,224.13		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	119,170.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	**0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00

CC ITEM III-M 04/28/2026

Published By: Jennifer Woods
Reviewed By: Jeff Reine

PREPARED BY: Jennifer Woods				PHONE: X4056
*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's Financial Auditor:	Date Received:	Date Review Completed: 4/27/26	Initials of Reviewer: DM	Verification of Funding by Finance: Melvin Martinez

COLLAGE
CONSTRUCTION ▪ INTEGRATED SERVICES

March 13th, 2026

GREATER ORLANDO AVIATION AUTHORITY
5850 Cargo Road
Orlando, FL 32827

RCO 001

DESIGN BUILDERS
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Committed to Quality

TRANSMITTED VIA EMAIL
(jennifer.woods@goaa.org)

ATTN: Jennifer Woods, Project Manager, Construction
Project: **GREATER ORLANDO AVIATION AUTHORITY**
V-01112 Terminals A & B Level 1 Stair Enclosures (D/B)
Subject: Proposal

Dear Jennifer,

We are pleased to submit this proposal as requested for the Terminals A & B Level 1 Stair Enclosures (D/B) project. We have reviewed the narrative of work and visited the project locations to evaluate what it will take to accomplish the stated request to enclose the stairwells.

In the following pages you will find our detailed interpretation of the work including Clarifications and Qualifications, as well as a complete breakdown of estimated costs.

Thank you for the opportunity to work with you on this project. Please let us know if there are any questions, comments, or if any additional information is required.

Sincerely,
THE COLLAGE COMPANIES

Keith Kolakowski
Senior Preconstruction Manager

CC: Jim Beusse, Rob Maphis, Ben Rives

THE COLLAGE COMPANIES
Corporate Office
585 Technology Park
Lake Mary, Florida 32746
P 407.829.2257
F 407.829.2258

www.collage-usa.com

CG C020818

DESIGN BUILDERS
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

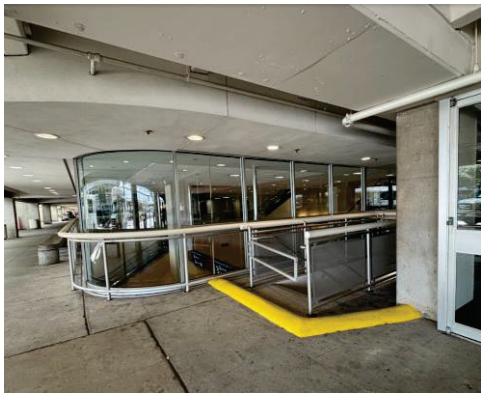
Committed to Quality

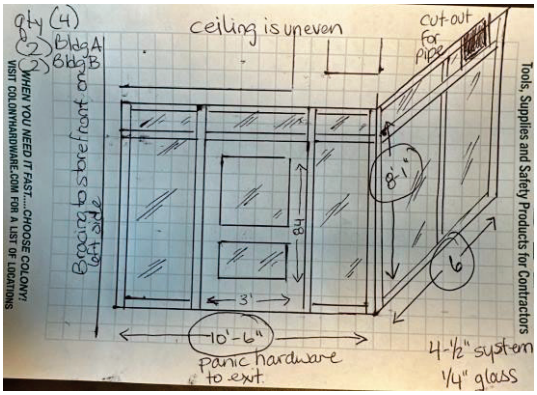
V-01112 Terminals A & B Level 1 Stair Enclosures (D/B)

Clarifications and Qualifications

Collage will perform all required work to provide new storefront glazing enclosures at four (4) GOAA-identified exterior stair locations on the commercial level. Two (2) stairwells are located on the A side, and (2) are located on the B side.

The locations are nearly identicaly in dimensionality and should be able to receive essentially the same treatment. Pictured below is a stairwell on the A side, and a very rough conceptual sketch based upon initial site visit and measurements taken. This will, of course, be more fully developed:





Rhodes & Brito Architects will serve as our lead designer for this project, along with any necessary engineering subconsultants required. Collage will solicit subcontractor proposals for the work as designed and once final pricing is approved, will install the work under full supervision by our staff.

Below is a summary of work in greater detail, as outlined in our design-build estimate:

1. Design & Preconstruction Services
    a) Development of signed & sealed permit documents for the work.
    b) Design management, solicitation of subcontractor bids, and development of a GMP for the work.

2. Construction of Enclosures Including:
    a) Establishment of temporary protections and demising walls in accordance with GOAA visual standards.
    b) Slab X-Ray at the affected locations receiving anchors.
    c) Demolition of Existing Yellow Curbs
    d) Modifications to Existing Rails
    e) Storefront Glass Enclosures
        - Approx. 550 SF total, Match Existing Glass
        - Storefront Doors with Panic Hardware
        - Threshold & Sweep
        - Minor adjustments to existing mullions
    f) Caulking & Sealants

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g) Stucco Patch & Replace
h) Repaint Soffit Edge-to-Edge
i) Fire Sprinkler Head Relocations
j) Light Fixture Relocations
k) Window Cleaning & Final Cleaning
l) General Conditions & General Requirements as described in the estimate summary.
    - Permits are included.
    - Badging, protection of occupied areas and general safety measures are included.

3. Phasing & Schedule:
    a) Duration of the project is 120 calendar days for Substantial Completion and 33 calendar days for Final Completion, with an anticipated Notice-to-Proceed date of May 1, 2026.
    b) The work will be completed during night shifts as required.

4. Performance & Payment Bond – Included.

DESIGN BUILDERS
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Committed to Quality

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DESIGN-BUILD ESTIMATE

SUMMARY OF COSTS

Project:	V-01112 - Level 1 Stair Enclosures	**Total Area:**	n/a - (4) Stairwell Locations
Location:	Orlando, FL	**Dated:**	4/27/2026
Architect:	-	**Version:**	v1
Estimator:	K. Kolakowski	**Plan / Basis:**	GOAA Narrative & Photos

SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL	NOTES / AREA TOTAL
COST OF WORK					$ 406,930
Preconstruction Services					
Design Management & Permitting	1	LS	$ 8,500	$ 8,500	***Collage***
Design Services	1	LS	$ 33,500	$ 33,500	***Rhodes & Brito Architects***
Architectural Design	1	LS		$ -	*Included Above*
MEP Engineering (Sprinkler Relocations)	1	LS		$ -	*Included Above*
Structural Engineering (For Attachments)	1	LS		$ -	*Included Above*
Enclosure Construction (4 Locations)					
General Requirements	1	LS	$ 35,430	$ 35,430	
Temporary Demising Walls	140	LF	$ 295	$ 41,300	**Stark Systems*
Slab X-Ray @ Anchorpoints	4	EA	$ 1,850	$ 7,400	
Demolition of Existing Yellow Curbs	4	EA	$ 3,100	$ 12,400	
Modifications to Existing Rails	4	EA	$ 9,250	$ 37,000	
Storefront Glass Enclosures	4	EA	$ 39,500	$ 158,000	*~550SF ea., match existing glass*
Storefront Doors with Panic Hardware	4	EA	$ -	$ -	*Included Above*
Threshold & Sweep	4	EA	$ -	$ -	*Included Above*
Minor adjustments to existing mullions	4	EA	$ -	$ -	*Included Above*
Caulking & Sealants	4	EA	$ 1,500	$ 6,000	
Stucco Patch & Replace	4	EA	$ 4,250	$ 17,000	**For Sprinkler Relocations*
Repaint Soffit Edge-to-Edge	4	EA	$ 2,900	$ 11,600	**For Sprinkler Relocations*
Fire Sprinkler Head Relocations	4	EA	$ 7,250	$ 29,000	
Light Fixture Relocations	-	EA		$ -	*Excluded - Not Anticipated*
Window Cleaning & Final Cleaning	4	EA	$ 2,450	$ 9,800	
GENERAL ITEMS					$ 211,371.22
Liability Insurance	0.25	%		$ 1,017.32	
Builder's Risk Insurance	-	%		$ -	*By Owner*
Permit Fees	1	LS		$ 4,654.50	
General Conditions	5	MO		$ 144,476.50	**120 to Substantial + 33 to final*
Overhead & Profit	10.0	%		$ 55,707.83	
Payment & Performance Bond	0.9	%		$ 5,515.07	
TOTAL DESIGN-BUILD ESTIMATE					**$618,301.22**

DESIGN-BUILD ESTIMATE

GENERAL CONDITIONS

Project:	V-01112 - Level 1 Stair Enclosure	**Project Area:**	n/a - (4) Stairwell Locations	**Total Project Duration (Months)**
Location:	Orlando, FL	**Dated:**	3/23/2026	**5**
Architect:	-	**Version:**	v1	*4 MO to Substantial Completion*
Estimator:	K. Kolakowski	**Plan / Basis:**	GOAA Narrative & Photos	*1 MO to Final Completion*

TIME	SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL	NOTES
	PROJECT STAFF					
	Project Manager	22	WK	$ 538.46	$ 11,846.15	
	Project Superintendent	22	WK	$ 2,403.85	$ 52,884.62	
	Assistant Project Superintendent #1	22	WK	$ 961.54	$ 21,153.85	
	Project Coordinator	22	WK	$ 269.23	$ 5,923.08	
	Contract Administrator	22	WK	$ 125.00	$ 2,750.00	
	Labor Burden	42.00	%		$ 39,714.23	**Only applied to Staff amounts above*
	Technology Allotment	4.05	%		$ 3,829.59	
	Vehicle Allotment	1.70	EA	$ 3,750.00	$ 6,375.00	**750/MO per FTE*
	SUBTOTAL GENERAL CONDITIONS				**$ 144,476.50**	

COLLAGE

DESIGN-BUILD ESTIMATE

GENERAL REQUIREMENTS

Project:	V-01112 - Level 1 Stair Enclosures	**Project Area:**	n/a - (4) Stairwell (SF)	**Total Project Duration (Months)**	
Location:	Orlando, FL	**Dated:**	3/23/2026	**5**	
Architect:	-	**Version:**	v1	*4 MO to Substantial Completion*	
Estimator:	K. Kolakowski	**Plan / Basis:**	GOAA Narrative & Photos	*1 MO to Final Completion*	

CODE		SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL	NOTES / DIV TOTAL
		Temp. Trailers / Jobsite Office					**$ 2,750**
015030		**Office Supplies**	5	MO	$ 300.00	$ 1,500	
015035		**Postage & Expressage**	5	MO	$ 150.00	$ 750	
015045		**Printing & Repro**	5	MO	$ 100.00	$ 500	
		Temp. Utilities					**$ 1,000**
015150		**Mobile Internet Hot Spots**	5	MO	$ 200.00	$ 1,000	
		Temp. Measures					**$ 9,500**
015210		**Storage Container - Rental**	5	MO	$ 200.00	$ 1,000	
		Storage Container - Delivery & Pick-up	1	LS	$ 750.00	$ 750	
015215		**Temp Signage - Collage**	4	EA	$ 1,250.00	$ 5,000	*(4) Separate Locations - Active Airport*
015250		**Temp Bldg Protection / Closures**	1	LS	$ 2,500.00	$ 2,500	
015265		**Temp Water / Ice / Shade**	5	MO	$ 50.00	$ 250	
		Jobsite Safety					**$ 10,750**
015300		**Job Specific Safetly Plan (JSSP)**	1	LS	$ 475.00	$ 475	
015305		**Safety Audits**	5	MO	$ 300.00	$ 1,500	
015310		**Safety Interventions**	1	LS	$ 1,500.00	$ 1,500	
015315		**Safety Supplies / PPE**	5	MO	$ 150.00	$ 750	
015325		**Hurricane Temp Measures**	1	LS	$ 2,500.00	$ 2,500	
015330		**Temp Fire Extinguishers**	8	EA	$ 175.00	$ 1,400	
015335		**First Aid Kit**	4	EA	$ 250.00	$ 1,000	
015345		**Badging Procedures**	5	MO	$ 250.00	$ 1,250	
015360		**Traffic Control (Minor Cones, Barrels, etc.)**	5	MO	$ 75.00	$ 375	**For Major Traffic Control, See Construction Costs*
		Construction Progress Documentation					**$ 2,000**
015450		**As-Built Record Drawings**	1	LS	$ 1,500.00	$ 1,500	
015460		**Close-Out Documents**	1	LS	$ 500.00	$ 500	
		Equipment, Tools, & Supplies					**$ 2,750**
016000		**Tools & Supplies**	5	MO	$ 250.00	$ 1,250	
016010		**Layout Equip & Supplies**	1	LS	$ 1,500.00	$ 1,500	
		Clean-Up & Dumpsters					**$ 3,680**
017000		**Dumpster Pulls**	4	EA	$ 650.00	$ 2,600	
017050		**Progress Cleaning**	2	WK	$ 540.00	$ 1,080	
017070		**Window Cleaning**	-	SF	$ -	$ -	*See Cost of Work*
017080		**Final Cleaning**	-	SF	$ -	$ -	*See Cost of Work*
		Quality Control					**$ 3,000**
017130		**GPR Scanning (Ground Penetrating Radar)**					
		Slab X-Ray	1	LS	$ -	$ -	*See Cost of Work*
017350		**Warranty Procedures**	1	LS	$ 3,000	$ 3,000	
		Permits & Fees					**$ -**
018000		**Building Permit**	1	LS	$ -	$ -	*See Summary Page*
018005		**Site Permit**	-	LS	$ -	$ -	*N/A*
018035		**Impact Fees**	-	LS	$ -	$ -	*N/A*
		Bonds & Insurance					**$ -**
018100		**Performance & Payment Bond**	-	LS	$ -	$ -	*See Summary Page*
018110		**General Liability Insurance**	-	%	$ -	$ -	*See Summary Page*
018115		**Builder's Risk Insurance**	-	LS	$ -	$ -	*See Summary Page*
					SUBTOTAL	**$ 35,430.00**	

rhodes + brito ARCHITECTS

PROPOSAL FOR ARCHITECTURAL SERVICES

April 22, 2026

Keith Kolakowski
Senior Preconstruction Manager, The Collage Companies

ARTICLE 1 RE: GOAA V-01112 TERMINALS A & B LEVEL 1 STAIR ENCLOSURES

Dear Keith,

Thank you for the opportunity to present our proposal for design services regarding the GOAA BAT Storefront Installation

1.1 Our understanding of the project is as follows:

a. This project is located at the GOAA, MCO in Orlando, Florida.
b. The area of work is the A & B Landside Terminal, at the commercial level.
c. The proposed scope is:
   1. Provide Architectural plans to remove the concrete bumper and gate at the Commercial Lane Egress Stair Enclosures (4 locations). Minor sprinkler head relocation, as needed. Minor light fixture relocation, as needed.
   2. Respond to permit revisions
   3. Review of storefront submittals

3.1. Deliverables:
   4. PDF set of Signed & Sealed permit drawings for submittal to AHJ.

1.2 Assumptions, Clarifications and Exclusions

Any other scope not expressly included in the above noted scope is not included under this agreement and shall be considered an additional service.

1. No cost estimating shall be provided for the proposed work.

a. Effort is limited to areas of work.
b. Review of electrical/low voltage/fire alarm systems is not included
c. Review of building structure is not included
d. Permit Fees are not included
e. Life Safety calculations or revisions to Life Safety plans

1.3 Compensation is a lump sum fee of **thirty-five thousand dollars, zero cents ($33,500.00).** Fee includes for engineering as follows; Fire Protection ($5,000), Structural Engineering ($8,000), Electrical Engineering ($5,000).

Should you have any questions or comments, please do not hesitate to contact us.

Sincerely,

RHODES & BRITO ARCHITECTS INC.

Adel Shalaby, AIA

Principal
Cc: Ruffin Rhodes, AIA, Max Brito

PRELIMINARY OVERVIEW SCHEDULE

COLLAGE
CONSTRUCTION ▪ INTEGRATED SERVICES

V-01112 Stair Enclosures (Design Build)	Ball In Court	*Milestone/Finish	2026 Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PRECONSTRUCTION												
Building Design & Estimating												
Proposal Development & GOAA CCM Approval Process	*GOAA*	Ongoing										
Anticipated Notice to Proceed	*GOAA*	1-May-26			*							
Field Measurements & Storefront Shop Drawings	*Collage*	1-Jun-26										
Permit Drawings	*Collage*	15-Jun-26										
Permitting												
City of Orlando Permitting Review (Allowing 4 wk Review)	*City of Orlando*	30-Aug-26										
EARLY PROCUREMENT												
Early Procurement of Long Lead Material (Storeferont, Hardware)	*Collage*	15-Jul-26										
CONSTRUCTION			1	2	3	4	5	6	7	8	9	10
Construct Stair Enclosures												
Establish Temporary Protections, Barricades & Signage	*Collage*	-										
Demo Curbs	*Collage*	-										
Modify Existing Railings, Sprinkler Heads (If Required)	*Collage*	-										
Install Storefront Enclosures, Doors & Hardware	*Collage*	-										
Stucco Patching & Painting	*Collage*	-										
Substantial Completion	*Collage*	30-Aug-26						*				
Final Completion	*Collage*	30-Sep-26							*			

V-01112 Demising & Demo: OAR Estimate

MATERIAL BREAK-DOWN

Item	# of Units	Unit	Material Unit Cost	Material Cost	Link / Cost Code
TEMPERED GLASS WALLS	550	SQ FT	$ 120.00	$ 66,000.00	
STEEL FRAME	240	LIN FT	$ 28.00	$ 6,720.00	
DOOR HARDWARE	1	SET	$ 250.00	$ 250.00	https://www.fergusonhome.com/product
DOOR HINGE	3	EA	$ 13.70	$ 41.10	https://www.trudoor.com/products/cal-royal
PAINT	1	EA	$ 149.99	$ 149.99	https://www.google.com/search
DUMPSTER	1	EA	$ 299.00	$ 299.00	https://www.scrapsystems.net/rent-dumpster?utm
CAULK	1	EA	$ 186.00	$ 186.00	https://www.hotmelt.com/products/low-odor-neutral-cu
STUCCO PATCH	2	EA	$ 8.38	$ 16.76	https://www.lowes.com/pd/QUIKRETE-
		EA		$ -	
		EA		$ -	
TOTAL MATERIAL COST				**$ 73,662.85**	

TOTAL SUB ESTIMATE

Item	# of Units	Unit	Material Cost	Labor/Equp. Unit Cost	Labor Cost	Equp. Cost	Total
Material - Buyouts & perform		LS	$ 73,662.85				$ 73,662.85
Cleaner	24	hrs	$ 30.00				$ 720.00
Laborer	80	Hrs	$ 30.00				$ 2,400.00
Installer	80	Hrs	$ 50.00				$ 4,000.00
Service Truck	80	Hrs		$ 10.00		$ 800.00	$ 800.00
Subtotal					**$ -**	**$ 800.00**	**$ 81,582.85**
Sales Tax (7%)			$ -				$ -
Labor Burden (42%)					$ -		$ -
Subtotal							**$ 81,582.85**
OH & P (15%)							$ 12,237.43
General Conditions (%10)							$ 8,158.29
Contingency							$ 16,316.57

TOTAL SUB COST	**$ 118,295.13**

TOTAL GC ESTIMATE			
Item	**Material**	**Labor**	**Sub**
GC Cost	$ -	$ -	$ -
Sub Cost	$ -	$ -	$ 118,295.13
Sales Tax (6.5%)	$ -	$ -	$ -
Labor Burden 42%	$ -	$ -	$ -
GC Material Markup (15%)	$ -	$ -	$ -
GC Labor Markup (15%)	$ -	$ -	$ 17,744.27
Sub Markup (10%)	$ -	$ -	$ -
Subtotal	$ -	$ -	$ 136,039.40
TOTAL COST			**$ 136,039.40**

Demising Wall **$7420.63**
Total: **$143,460.03**
x4 **$573,840.12**
10% Design: **$57,384.01**
Total OAR Estimate for all four (4) sections: **$631,224,13**

BULLETIN

PROJECT NO. & NAME:	V-01112 Terminals A & B Level 1 Stair Enclosures (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	**Collage Design and Construction Group, Inc. dba The Collage Companies**	
DESIGNER / DCC*:	Click or tap here to enter text.	(*DCC – Design Criteria Consultant)
OAR:	Geotech Consultants International, Inc., dba GCI, Inc	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	**Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative.** The Scope of work is to add stair enclosure at Terminals A & B Level 1 emergency Egress Stairs. 60%, 95% and 100% Design Submittals required for review of the design as noted in the scope definition documents attached. In addition, it is the contractor's responsibility to ensure that design complies with the following standards (current version at time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC)	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Allowance Buyout for Defined Scope of Work
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

☐ **ATTACHMENTS INCLUDED:**

Greater Orlando Aviation Authority

Published By: Jennifer Woods
Reviewed By: Jeff Reine

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01112 Terminals A & B Level 1 Stair Enclosure	DATE:	4/28/26
CONTRACTOR:	Collage Design & Construction Group, Inc. dba The Collage Companies		
A/E:	N/A		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 –Bulletin 1 Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) initiative. Provide all labor, material, and equipment to enclose four emergency egress stairs located at Terminals A & B Level 1. The change order is the mechanism for the conversion of the allowance and procuring the services as per the defined scope for the initial buyout.

ADD: $647,982.00

Item #2 – Allowance Reduction-Reduce the allowance of the allowance by ($647,982.00) from $1,200,000.00 to $552,018.00 to cover the costs of Item #1 above.

Deduct: ($647,982.00)

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested - Contract modification for defined scope within the contract allowance.

Item #2 – Allowance Reconciliation- This item is for the buyout of the allowance to cover the cost for Item #1.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐

EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin 1	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:		

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 647,982.00		
GOAA/OAR Estimate	$ 631,224.13		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	119,170.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	**0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	
PREPARED BY: Jennifer Woods		PHONE:	X4056

Published By: Jennifer Woods
Reviewed By: Jeff Reine

NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.				
GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:

COLLAGE
CONSTRUCTION ▪ INTEGRATED SERVICES

March 13th, 2026

GREATER ORLANDO AVIATION AUTHORITY
5850 Cargo Road
Orlando, FL 32827

DESIGN BUILDERS
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Committed to Quality

TRANSMITTED VIA EMAIL
(jennifer.woods@goaa.org)

ATTN: Jennifer Woods, Project Manager, Construction
Project: **GREATER ORLANDO AVIATION AUTHORITY**
V-01112 Terminals A & B Level 1 Stair Enclosures (D/B)
Subject: Proposal

Dear Jennifer,

We are pleased to submit this proposal as requested for the Terminals A & B Level 1 Stair Enclosures (D/B) project. We have reviewed the narrative of work and visited the project locations to evaluate what it will take to accomplish the stated request to enclose the stairwells.

In the following pages you will find our detailed interpretation of the work including Clarifications and Qualifications, as well as a complete breakdown of estimated costs.

Thank you for the opportunity to work with you on this project. Please let us know if there are any questions, comments, or if any additional information is required.

Sincerely,
THE COLLAGE COMPANIES

Keith Kolakowski
Senior Preconstruction Manager

CC: Jim Beusse, Rob Maphis, Ben Rives

THE COLLAGE COMPANIES
Corporate Office
585 Technology Park
Lake Mary, Florida 32746
P 407.829.2257
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www.collage-usa.com

CG C020818

DESIGN BUILDERS
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

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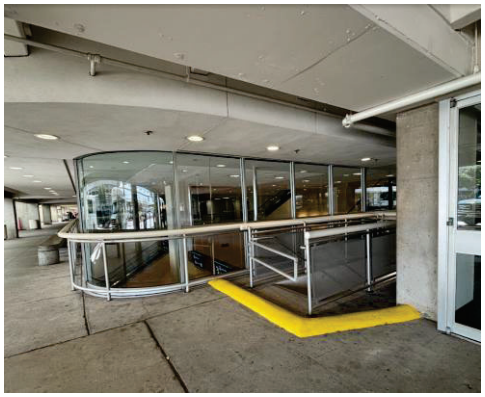
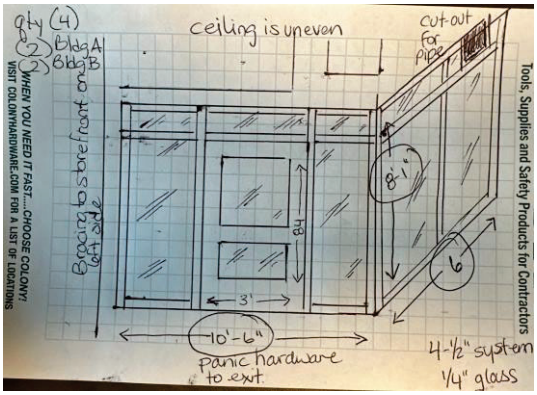
V-01112 Terminals A & B Level 1 Stair Enclosures (D/B)

Clarifications and Qualifications

Collage will perform all required work to provide new storefront glazing enclosures at four (4) GOAA-identified exterior stair locations on the commercial level. Two (2) stairwells are located on the A side, and (2) are located on the B side.

The locations are nearly identicaly in dimensionality and should be able to receive essentially the same treatment. Pictured below is a stairwell on the A side, and a very rough conceptual sketch based upon initial site visit and measurements taken. This will, of course, be more fully developed:





Rhodes & Brito Architects will serve as our lead designer for this project, along with any necessary engineering subconsultants required. Collage will solicit subcontractor proposals for the work as designed and once final pricing is approved, will install the work under full supervision by our staff.

Below is a summary of work in greater detail, as outlined in our design-build estimate:

1. Design & Preconstruction Services
    a) Development of signed & sealed permit documents for the work.
    b) Design management, solicitation of subcontractor bids, and development of a GMP for the work.

2. Construction of Enclosures Including:
    a) Establishment of temporary protections and demising walls in accordance with GOAA visual standards.
    b) Slab X-Ray at the affected locations receiving anchors.
    c) Demolition of Existing Yellow Curbs
    d) Modifications to Existing Rails
    e) Storefront Glass Enclosures
        - Approx. 550 SF total, Match Existing Glass
        - Storefront Doors with Panic Hardware
        - Threshold & Sweep
        - Minor adjustments to existing mullions
    f) Caulking & Sealants

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g) Stucco Patch & Replace
h) Repaint Soffit Edge-to-Edge
i) Fire Sprinkler Head Relocations
j) Light Fixture Relocations
k) Window Cleaning & Final Cleaning
l) General Conditions & General Requirements as described in the estimate summary.
    - Permits are included.
    - Badging, protection of occupied areas and general safety measures are included.

3. Phasing & Schedule:
    a) Duration of the project is 120 calendar days for Substantial Completion and 33 calendar days for Final Completion, with an anticipated Notice-to-Proceed date of May 1, 2026.
    b) The work will be completed during night shifts as required.

4. Performance & Payment Bond – Included.

DESIGN BUILDERS
GENERAL CONTRACTORS
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DESIGN-BUILD ESTIMATE

SUMMARY OF COSTS

Project:	V-01112 - Level 1 Stair Enclosures	**Total Area:**	n/a - (4) Stairwell Locations
Location:	Orlando, FL	**Dated:**	3/13/2026
Architect:	-	**Version:**	v1
Estimator:	K. Kolakowski	**Plan / Basis:**	GOAA Narrative & Photos

SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL	NOTES / AREA TOTAL
COST OF WORK					$ 404,930
Preconstruction Services					
Design Management & Permitting	1	LS	$ 8,500	$ 8,500	***Collage***
Design Services	1	LS	$ 31,500	$ 31,500	***Rhodes & Brito Architects***
Architectural Design	1	LS		$ -	*Included Above*
MEP Engineering (Sprinkler Relocations)	1	LS		$ -	*Included Above*
Structural Engineering (For Attachments)	1	LS		$ -	*Included Above*
Enclosure Construction (4 Locations)					
General Requirements	1	LS	$ 35,430	$ 35,430	
Temporary Demising Walls	140	LF	$ 295	$ 41,300	**Stark Systems*
Slab X-Ray @ Anchorpoints	4	EA	$ 1,850	$ 7,400	
Demolition of Existing Yellow Curbs	4	EA	$ 3,100	$ 12,400	
Modifications to Existing Rails	4	EA	$ 9,250	$ 37,000	
Storefront Glass Enclosures	4	EA	$ 39,500	$ 158,000	*~550SF ea., match existing glass*
Storefront Doors with Panic Hardware	4	EA	$ -	$ -	*Included Above*
Threshold & Sweep	4	EA	$ -	$ -	*Included Above*
Minor adjustments to existing mullions	4	EA	$ -	$ -	*Included Above*
Caulking & Sealants	4	EA	$ 1,500	$ 6,000	
Stucco Patch & Replace	4	EA	$ 4,250	$ 17,000	**For Sprinkler Relocations*
Repaint Soffit Edge-to-Edge	4	EA	$ 2,900	$ 11,600	**For Sprinkler Relocations*
Fire Sprinkler Head Relocations	4	EA	$ 7,250	$ 29,000	
Light Fixture Relocations	-	EA		$ -	*Excluded - Not Anticipated*
Window Cleaning & Final Cleaning	4	EA	$ 2,450	$ 9,800	
GENERAL ITEMS					$ 243,052
Liability Insurance	0.25	%		$ 1,012	
Builder's Risk Insurance	-	%		$ -	*By Owner*
Permit Fees	1	LS		$ 4,655	
General Conditions	5	MO		$ 145,422	**120 to Substantial + 33 to final*
Overhead & Profit	10.0	%		$ 58,382	
Payment & Performance Bond	0.9	%		$ 5,780	
TOTAL DESIGN-BUILD ESTIMATE					**$647,982**

DESIGN-BUILD ESTIMATE

GENERAL CONDITIONS

Project:	V-01112 - Level 1 Stair Enclosure	**Project Area:**	n/a - (4) Stairwell Locations	**Total Project Duration (Months)**
Location:	Orlando, FL	**Dated:**	3/13/2026	**5**
Architect:	-	**Version:**	v1	*4 MO to Substantial Completion*
Estimator:	K. Kolakowski	**Plan / Basis:**	GOAA Narrative & Photos	*1 MO to Final Completion*

TIME	SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL	NOTES
	PROJECT STAFF					
	Project Manager	22	WK	$ 538.46	$ 11,846	
	Project Superintendent	22	WK	$ 2,403.85	$ 52,885	
	Assistant Project Superintendent #1	22	WK	$ 961.54	$ 21,154	
	Project Coordinator	22	WK	$ 269.23	$ 5,923	
	Contract Administrator	22	WK	$ 125.00	$ 2,750	
	Technology Allotment	4.05	%		$ 3,830	
	Labor Burden	43.00	%		$ 40,660	
	Vehicle Allotment	1.70	EA	$ 750.00	$ 6,375	
	SUBTOTAL GENERAL CONDITIONS				**$ 145,422**	

COLLAGE

DESIGN-BUILD ESTIMATE

GENERAL REQUIREMENTS

Project:	V-01112 - Level 1 Stair Enclosures	**Project Area:**	n/a - (4) Stairwell (SF)	**Total Project Duration (Months)**	
Location:	Orlando, FL	**Dated:**	3/13/2026	**5**	
Architect:	-	**Version:**	v1	*4 MO to Substantial Completion*	
Estimator:	K. Kolakowski	**Plan / Basis:**	GOAA Narrative & Photos	*1 MO to Final Completion*	

CODE		SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL	NOTES / DIV TOTAL
		Temp. Trailers / Jobsite Office					**$ 2,750**
015030		**Office Supplies**	5	MO	$ 300.00	$ 1,500	
015035		**Postage & Expressage**	5	MO	$ 150.00	$ 750	
015045		**Printing & Repro**	5	MO	$ 100.00	$ 500	
		Temp. Utilities					**$ 1,000**
015150		**Mobile Internet Hot Spots**	5	MO	$ 200.00	$ 1,000	
		Temp. Measures					**$ 9,500**
015210		**Storage Container - Rental**	5	MO	$ 200.00	$ 1,000	
		Storage Container - Delivery & Pick-up	1	LS	$ 750.00	$ 750	
015215		**Temp Signage - Collage**	4	EA	$ 1,250.00	$ 5,000	*(4) Separate Locations - Active Airport*
015250		**Temp Bldg Protection / Closures**	1	LS	$ 2,500.00	$ 2,500	
015265		**Temp Water / Ice / Shade**	5	MO	$ 50.00	$ 250	
		Jobsite Safety					**$ 10,750**
015300		**Job Specific Safetly Plan (JSSP)**	1	LS	$ 475.00	$ 475	
015305		**Safety Audits**	5	MO	$ 300.00	$ 1,500	
015310		**Safety Interventions**	1	LS	$ 1,500.00	$ 1,500	
015315		**Safety Supplies / PPE**	5	MO	$ 150.00	$ 750	
015325		**Hurricane Temp Measures**	1	LS	$ 2,500.00	$ 2,500	
015330		**Temp Fire Extinguishers**	8	EA	$ 175.00	$ 1,400	
015335		**First Aid Kit**	4	EA	$ 250.00	$ 1,000	
015345		**Badging Procedures**	5	MO	$ 250.00	$ 1,250	
015360		**Traffic Control (Minor Cones, Barrels, etc.)**	5	MO	$ 75.00	$ 375	**For Major Traffic Control, See Construction Costs*
		Construction Progress Documentation					**$ 2,000**
015450		**As-Built Record Drawings**	1	LS	$ 1,500.00	$ 1,500	
015460		**Close-Out Documents**	1	LS	$ 500.00	$ 500	
		Equipment, Tools, & Supplies					**$ 2,750**
016000		**Tools & Supplies**	5	MO	$ 250.00	$ 1,250	
016010		**Layout Equip & Supplies**	1	LS	$ 1,500.00	$ 1,500	
		Clean-Up & Dumpsters					**$ 3,680**
017000		**Dumpster Pulls**	4	EA	$ 650.00	$ 2,600	
017050		**Progress Cleaning**	2	WK	$ 540.00	$ 1,080	
017070		**Window Cleaning**	-	SF	$ -	$ -	*See Cost of Work*
017080		**Final Cleaning**	-	SF	$ -	$ -	*See Cost of Work*
		Quality Control					**$ 3,000**
017130		**GPR Scanning (Ground Penetrating Radar)**					
		Slab X-Ray	1	LS	$ -	$ -	*See Cost of Work*
017350		**Warranty Procedures**	1	LS	$ 3,000	$ 3,000	
		Permits & Fees					**$ -**
018000		**Building Permit**	1	LS	$ -	$ -	*See Summary Page*
018005		**Site Permit**	-	LS	$ -	$ -	*N/A*
018035		**Impact Fees**	-	LS	$ -	$ -	*N/A*
		Bonds & Insurance					**$ -**
018100		**Performance & Payment Bond**	-	LS	$ -	$ -	*See Summary Page*
018110		**General Liability Insurance**	-	%	$ -	$ -	*See Summary Page*
018115		**Builder's Risk Insurance**	-	LS	$ -	$ -	*See Summary Page*
					SUBTOTAL	**$ 35,430**	
					Monthly GRs Rate:	**$ 7,086**	

rhodes + brito ARCHITECTS

PROPOSAL FOR ARCHITECTURAL SERVICES

March 19, 2026

Keith Kolakowski
Senior Preconstruction Manager, The Collage Companies

ARTICLE 1 RE: GOAA BAT STOREFRONT INSTALLATION

Dear Keith,

Thank you for the opportunity to present our proposal for design services regarding the GOAA BAT Storefront Installation

1.1 Our understanding of the project is as follows:

a. This project is located at the GOAA, MCO in Orlando, Florida.
b. The area of work is the A & B Landside Terminal, at the commercial level.
c. The proposed scope is:
   1. Provide Architectural plans to remove the concrete bumper and gate at the Commercial Lane Egress Stair Enclosures (4 locations). Minor sprinkler head relocation, as needed. Minor light fixture relocation, as needed.
   2. Respond to permit revisions
   3. Review of storefront submittals

3.1. Deliverables:

   4. PDF set of Signed & Sealed permit drawings for submittal to AHJ.

1.2 Assumptions, Clarifications and Exclusions

Any other scope not expressly included in the above noted scope is not included under this agreement and shall be considered an additional service.

1. No cost estimating shall be provided for the proposed work.

a. Effort is limited to areas of work.
b. Review of electrical/low voltage/fire alarm systems is not included
c. Review of building structure is not included
d. Permit Fees are not included
e. Life Safety calculations or revisions to Life Safety plans

$31,500.00

1.3 Compensation is a lump sum fee of **thirty-five thousand dollars, zero cents ~~($35,000.00)~~.** Fee includes ~~contingency~~ for engineering as follows; Fire Protection ($5,000), Structural Engineering ($5,000), Electrical Engineering ($5,000), ~~Design Contingency ($4,500)~~

Should you have any questions or comments, please do not hesitate to contact us.

Sincerely,

RHODES & BRITO ARCHITECTS INC.

Clarified that contingency is not applicable to this project. The full project is worked from a GOAA allocated allowance.

Adel Shalaby, AIA

Principal
Cc: Ruffin Rhodes, AIA, Max Brito

PRELIMINARY OVERVIEW SCHEDULE

COLLAGE
CONSTRUCTION ▪ INTEGRATED SERVICES

V-01112 Stair Enclosures (Design Build)	Ball In Court	*Milestone/Finish	2026 Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PRECONSTRUCTION												
Building Design & Estimating												
Proposal Development & GOAA CCM Approval Process	*GOAA*	Ongoing										
Anticipated Notice to Proceed	*GOAA*	1-May-26			*							
Field Measurements & Storefront Shop Drawings	*Collage*	1-Jun-26										
Permit Drawings	*Collage*	15-Jun-26										
Permitting												
City of Orlando Permitting Review (Allowing 4 wk Review)	*City of Orlando*	30-Aug-26										
EARLY PROCUREMENT												
Early Procurement of Long Lead Material (Storeferont, Hardware)	*Collage*	15-Jul-26										
CONSTRUCTION			1	2	3	4	5	6	7	8	9	10
Construct Stair Enclosures												
Establish Temporary Protections, Barricades & Signage	*Collage*	-										
Demo Curbs	*Collage*	-										
Modify Existing Railings, Sprinkler Heads (If Required)	*Collage*	-										
Install Storefront Enclosures, Doors & Hardware	*Collage*	-										
Stucco Patching & Painting	*Collage*	-										
Substantial Completion	*Collage*	30-Aug-26						*				
Final Completion	*Collage*	30-Oct-26							*			

V-01112 Demising & Demo: OAR Estimate

MATERIAL BREAK-DOWN

Item	# of Units	Unit	Material Unit Cost	Material Cost	Link / Cost Code
TEMPERED GLASS WALLS	550	SQ FT	$ 120.00	$ 66,000.00	
STEEL FRAME	240	LIN FT	$ 28.00	$ 6,720.00	
DOOR HARDWARE	1	SET	$ 250.00	$ 250.00	https://www.fergusonhome.com/product
DOOR HINGE	3	EA	$ 13.70	$ 41.10	https://www.trudoor.com/products/cal-royal
PAINT	1	EA	$ 149.99	$ 149.99	https://www.google.com/search
DUMPSTER	1	EA	$ 299.00	$ 299.00	https://www.scrapsystems.net/rent-dumpster?utm
CAULK	1	EA	$ 186.00	$ 186.00	https://www.hotmelt.com/products/low-odor-neutral-cu
STUCCO PATCH	2	EA	$ 8.38	$ 16.76	https://www.lowes.com/pd/QUIKRETE-
		EA		$ -	
		EA		$ -	
TOTAL MATERIAL COST				**$ 73,662.85**	

TOTAL SUB ESTIMATE

Item	# of Units	Unit	Material Cost	Labor/Equp. Unit Cost	Labor Cost	Equp. Cost	Total
Material - Buyouts & perform		LS	$ 73,662.85				$ 73,662.85
Cleaner	24	hrs	$ 30.00				$ 720.00
Laborer	80	Hrs	$ 30.00				$ 2,400.00
Installer	80	Hrs	$ 50.00				$ 4,000.00
Service Truck	80	Hrs		$ 10.00		$ 800.00	$ 800.00
Subtotal					**$ -**	**$ 800.00**	**$ 81,582.85**
Sales Tax (7%)			$ -				$ -
Labor Burden (42%)					$ -		$ -
Subtotal							**$ 81,582.85**
OH & P (15%)							$ 12,237.43
General Conditions (%10)							$ 8,158.29
Contingency							$ 16,316.57

TOTAL SUB COST	**$ 118,295.13**

TOTAL GC ESTIMATE			
Item	**Material**	**Labor**	**Sub**
GC Cost	$ -	$ -	$ -
Sub Cost	$ -	$ -	$ 118,295.13
Sales Tax (6.5%)	$ -	$ -	$ -
Labor Burden 42%	$ -	$ -	$ -
GC Material Markup (15%)	$ -	$ -	$ -
GC Labor Markup (15%)	$ -	$ -	$ 17,744.27
Sub Markup (10%)	$ -	$ -	$ -
Subtotal	$ -	$ -	$ 136,039.40
TOTAL COST			**$ 136,039.40**

Demising Wall **$7420.63**
Total: **$143,460.03**
x4 **$573,840.12**
10% Design: **$57,384.01**
Total OAR Estimate for all four (4) sections: **$631,224,13**

BULLETIN

PROJECT NO. & NAME:	V-01112 Terminals A & B Level 1 Stair Enclosures (D/B)	
BULLETIN NO.:	1	
ISSUANCE DATE:		
CONTRACTOR:	**Collage Design and Construction Group, Inc. dba The Collage Companies**	
DESIGNER / DCC*:	Click or tap here to enter text.	(*DCC – Design Criteria Consultant)
OAR:	Geotech Consultants International, Inc., dba GCI, Inc	
REQUESTED BY:	GOAA	
PREPARED BY:	Jennifer Woods, GOAA PM	
ISSUED BY:	Jennifer Woods	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

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REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Allowance Buyout for Defined Scope of Work
	☐ Design E&O	[Insert Explanation]
	☐ Other	[Insert Reason & Explanation]

☐ **ATTACHMENTS INCLUDED:**

Greater Orlando Aviation Authority

Published By: Kyle Jackson
Reviewed By: Isadore Carrie III

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $0.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01113 Airside 1-4 APM Headache Bars (D/B)	DATE:	04/28/26
CONTRACTOR:	Gomez Construction Company		
A/E:	N/A		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 – Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) Initiative – Provide all labor, material, and equipment for the Design, Permitting, to Furnish & Install 12 Concussion bars at Airsides 1, 2, 3, and 4 above the tug and service roads to protect the APM's Infrastructure. The change order is the mechanism for converting the allowance and procuring services in accordance with the defined scope of the initial buyout.
ADD: $1,548,064.98

Item #2 – Allowance Reconciliation – Reduce the Airside 1-4 APM Headache Bars Allowance by $1,548,064.98 from $1,920,000.00 to $371,935.02 to cover the cost of the work in item #1 above.
DEDUCT: $1,548,064.98

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested – Contract modification for defined scope within the contract allowance. GOAA Operations requested concussion bars to protect the APM's Infrastructure.

Item #2 – Allowance Reconciliation – This item is for the buyout of the allowance to cover the cost for Item #1. The remaining allowance will remain within the project for future changes.

SOURCE OF FUNDS: Operations and Maintenance Funds (O&M)

Is above change within the intended scope of the original contract? Yes ☒ No ☐
EXPLAIN:

Bulletin(s) or RFI(s) resolved by this CO:	Bulletin #01	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	NA	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,548,064.98		
GOAA/OAR Estimate	$ 1,636,913.22		
(a) Change Contract Amount By		**$**	**0.00**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	135,256.00
(d) Total Cost Impact of this Change (d = a + b + c)		**$**	**0.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00
PREPARED BY: Isadore Carrie III		PHONE:	5044441550

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		04/23/26	SJ	Melvin Martinez

CC
ITEM III-N
04/28/2026

Gomez Construction Company
750 Jackson Avenue
Winter Park, Florida 32789
407-628-4353 phone
407-645-2499 fax

4/23/2026

V-01113 Airside 1-4 APM Headache Bars - RCO 1 (Option 3 - 12 Locations)

Summary of Work Included:

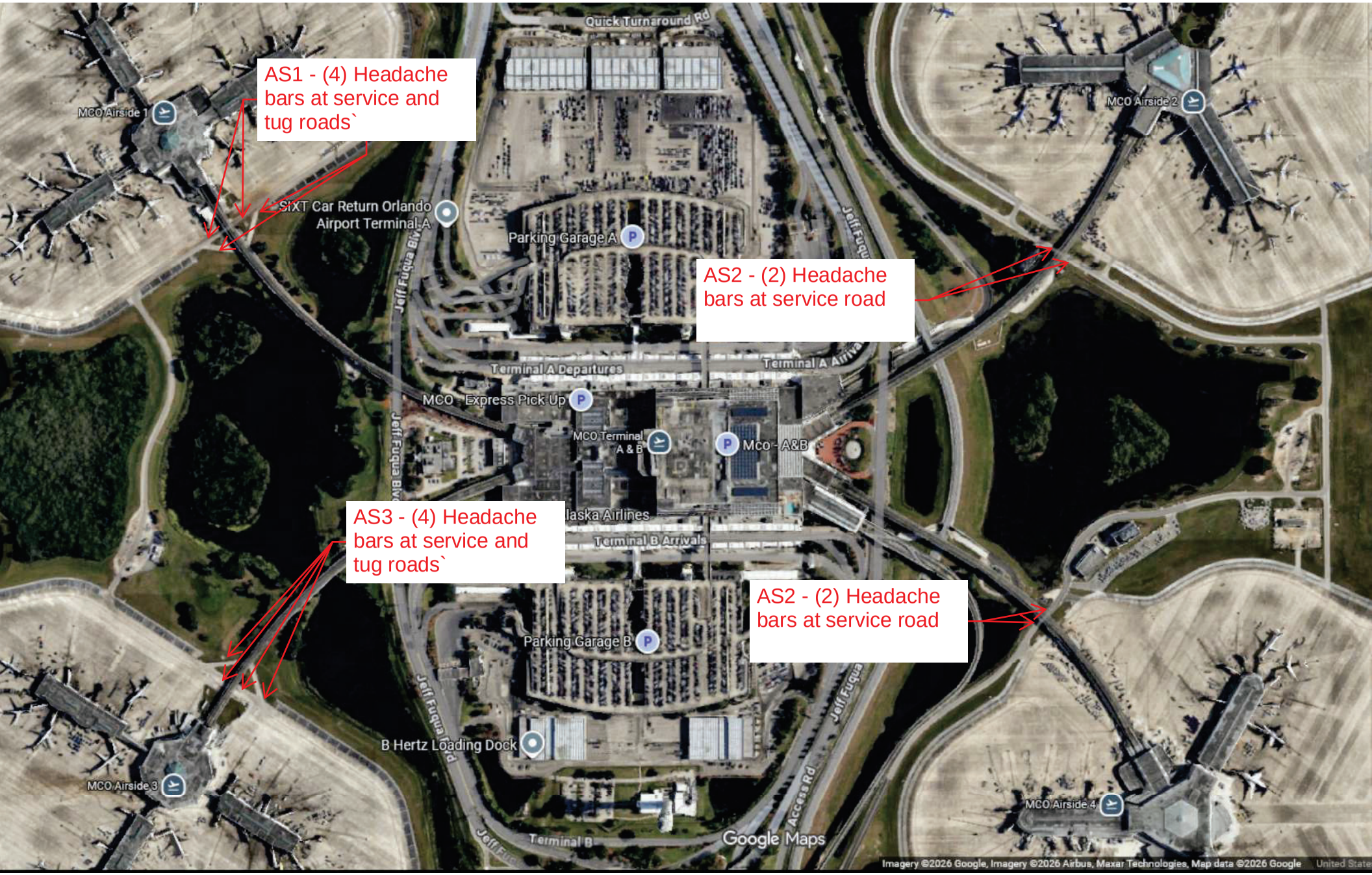
1A. Furnish and install (8) headache bar assemblies at Airsides 1 & 3 where service and Tug roads pass under APM
1B. Furnish and install (4) headache bar assemblies at Airsides 2&4 where service road passes under APM. No tug roads at AS 2&4.
2. Provide concrete foundation or caisson as needed at each location to support steel assembly
3. Headache assemblies to match previous detail used at Terminal C W-S00151 project. (See detail attached)
4. Painting/applying of clearance height at each location
5. Minor sitework/grading as necessary at each location including removal of spoils from drilled caisson locations
6. Structural and Civil Engineering services for design of footers and steel at each specific location
7. Geotech/survey/Locates/site investigation to identify any potential underground conflicts with drilled caisson/footer design
8. No MEP work including lighting, power, data, security, etc
9. No 3rd party testing or inspections included.
10. No field painting or graphics included. Steel will be galvanized and primed painted safety yellow.
11. No stormwater design, permitting, or relocation included. None anticipated. Locations to be coordinated to miss all existing structures.
12. Cost for permit included.
13. Gomez Labor and Supervision is included
14. After hours work included install including MOT to control/divert traffic

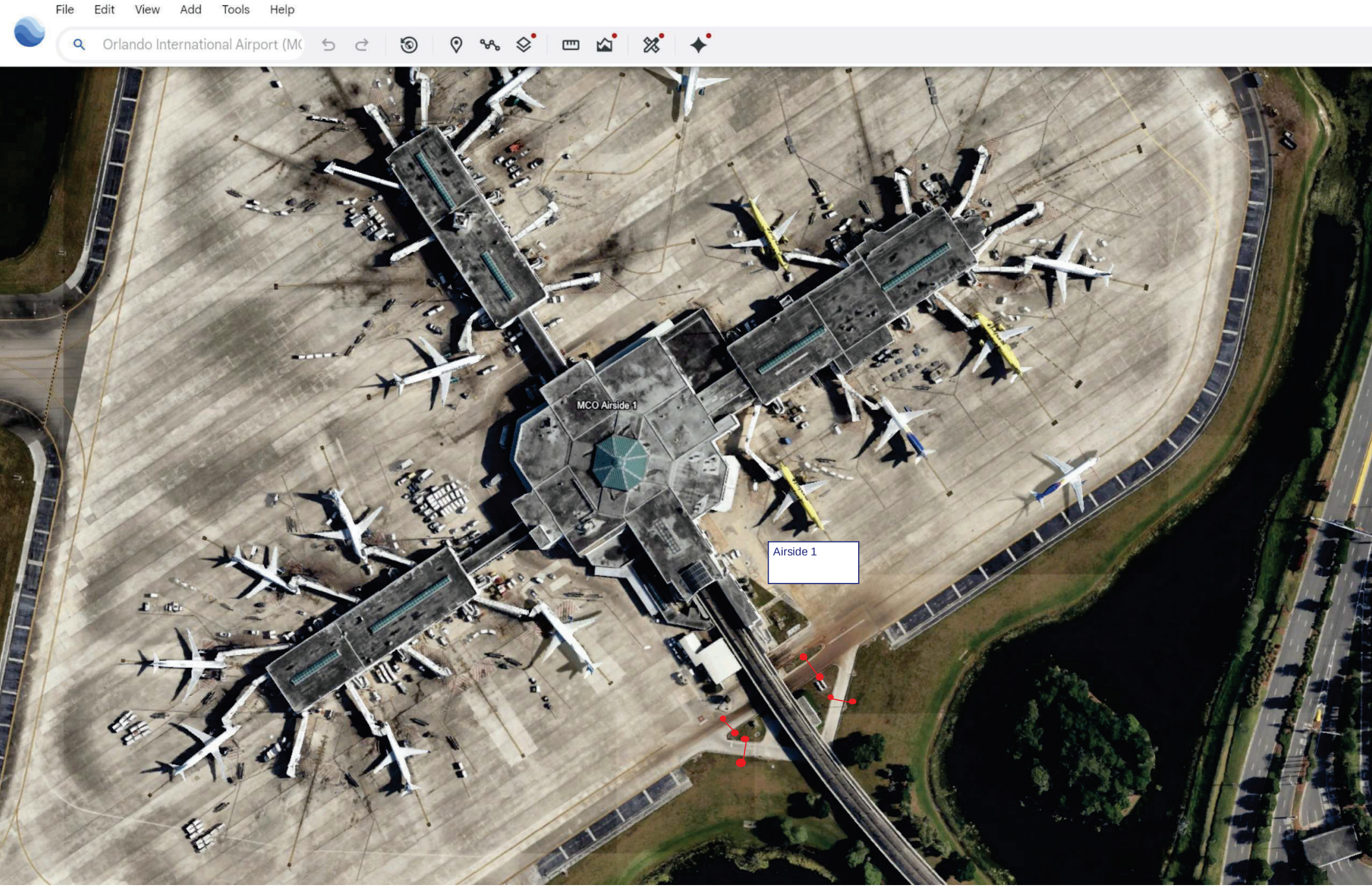
Code	Description of the Item	Est. QTY	Unit	Unit Cost	Total Cost	Subcontractor / Supplier
1000	GCC Project Support Equipment	1	LS	54,600.00	$ 54,600.00	GCC
1220	GCC Labor Support	1	LS	49,640.00	$ 49,640.00	GCC
1230	Project Manager	1	LS	65,776.00	$ 65,776.00	GCC
1231	GCC Superintendent	1	LS	32,232.00	$ 32,232.00	GCC
	Structural/Civil Engineering/Geotech/Survey/Locates	1	LS	142,570.00	$ 142,570.00	Avcon
	Drilled Caisson or Footers per location (2 per location)	24	ea	20,000.00	$ 480,000.00	Mammoth
	Steel Assembly including painting of steel	12	ea	40,000.00	$ 480,000.00	Steel Fab
	Misc. Site work/spoil removal/grading	12	ea	2,500.00	$ 30,000.00	Gomez
	MOT Budget	12	ea	5,000.00	$ 60,000.00	Gomez
			ea	0.00	$ -	
					$ 1,394,818.00	
	Permit	0.80%			$ 11,158.54	
	GCC Mark-Up	8.00%			$ 111,585.44	
	Subtotal				$ 1,517,561.98	
01015	Insurance	1.0%			$ 15,175.62	
	Subtotal				**$ 1,532,737.60**	
	Bond (if required)	1.0%			**$ 15,327.38**	
	Base Bid Total Building Costs				**$ 1,548,064.98**	

Notes

1 A procurement and design period will be required to investigate each location, identify footer type for each location, and shop draw/fabricate steel. Approximately 2 months.
2 Total Anticipated Duration for project (60 days for design/procurement + 90 days for construction = 150 Calendar days)
3

	GCC Project Support					
01231	GCC Superintendent	680	hrs	47.40	$	32,232.00
1230	GCC Project Manager	800	hrs	82.22	$	65,776.00
01220	GCC Skilled Labor 2 each	1360	hrs	36.50	$	49,640.00
	GCC Project Support Equipment					
01234	Truck (2 trucks for 6 mo)	12	MO	800.00	$	9,600.00
01514	Telephone	12	MO	500.00	$	6,000.00
1518	Temp Toilet	0	MO	250.00	$	-
	Temp Protection (Existing utilities, equipment, etc)	12	ea	2,500.00	$	30,000.00
01720	Cleanup	12	days	500.00	$	6,000.00
01732	Dumpsters	6	EA	500.00	$	3,000.00
				Total	$	54,600.00


AS1 - (4) Headache bars at service and tug roads`
AS2 - (2) Headache bars at service road
AS3 - (4) Headache bars at service and tug roads`
AS2 - (2) Headache bars at service road
Quick Turnaround Rd
MCO Airside 1
MCO Airside 2
SIXT Car Return Orlando Airport Terminal A
Parking Garage A
Jeff Fuqua Blvd
Terminal A Departures
Terminal A Arrivals
MCO - Express Pick-Up
MCO Terminal A & B
Mco - A&B
Alaska Airlines
Terminal B Arrivals
Parking Garage B
B Hertz Loading Dock
Access Rd
MCO Airside 3
MCO Airside 4
Terminal B
Google Maps
Imagery ©2026 Google, Imagery ©2026 Airbus, Maxar Technologies, Map data ©2026 Google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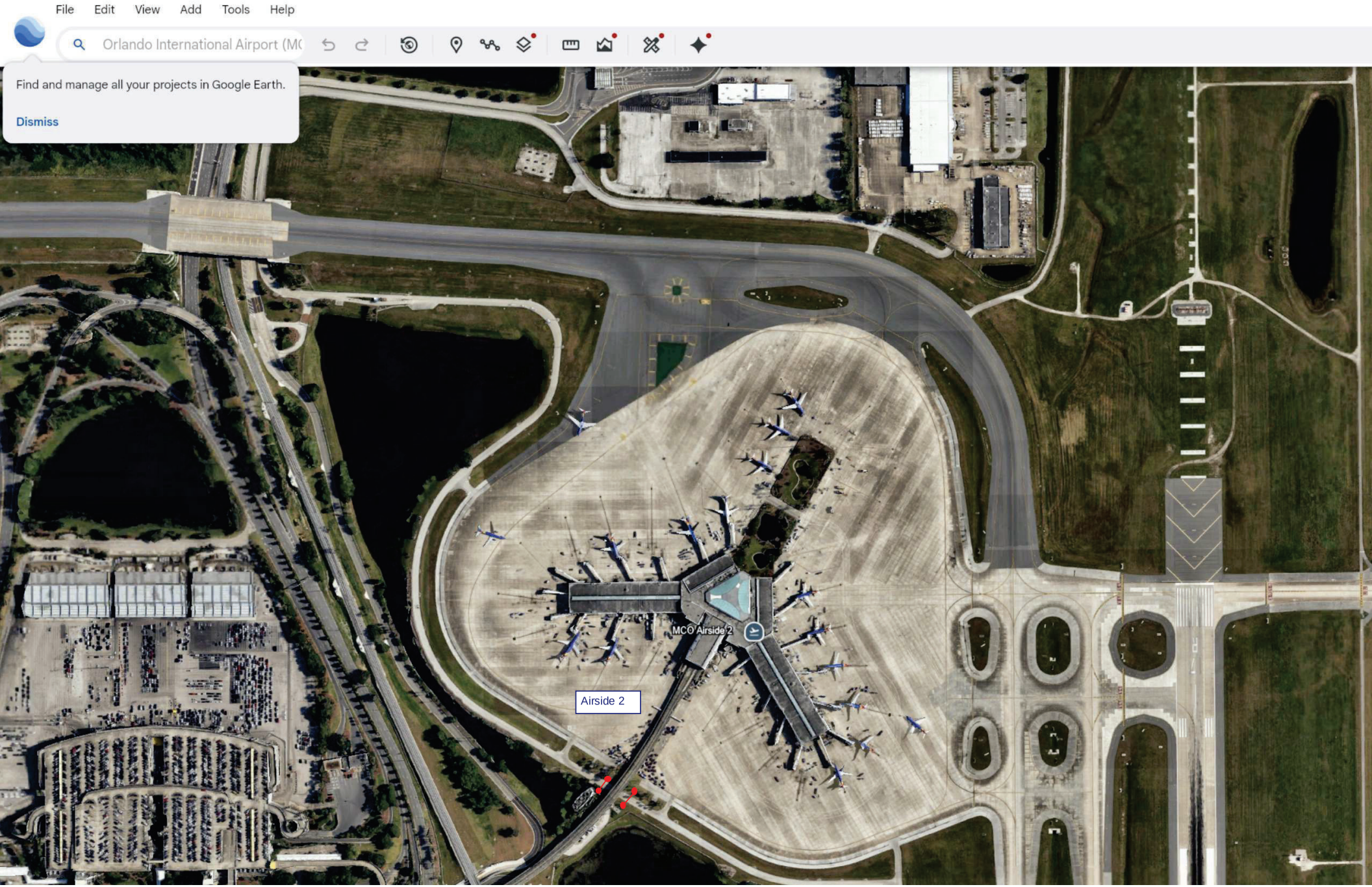
Orlando International Airport (MC
MCO Airside 1
Airside 1

Airside 1 Service Road
CLEARANCE 13'6"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Orlando International Airport (MC
Find and manage all your projects in Google Earth.
Dismiss
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Airside 2

Airside 2 Service Road
CLEARANCE 19' 0"
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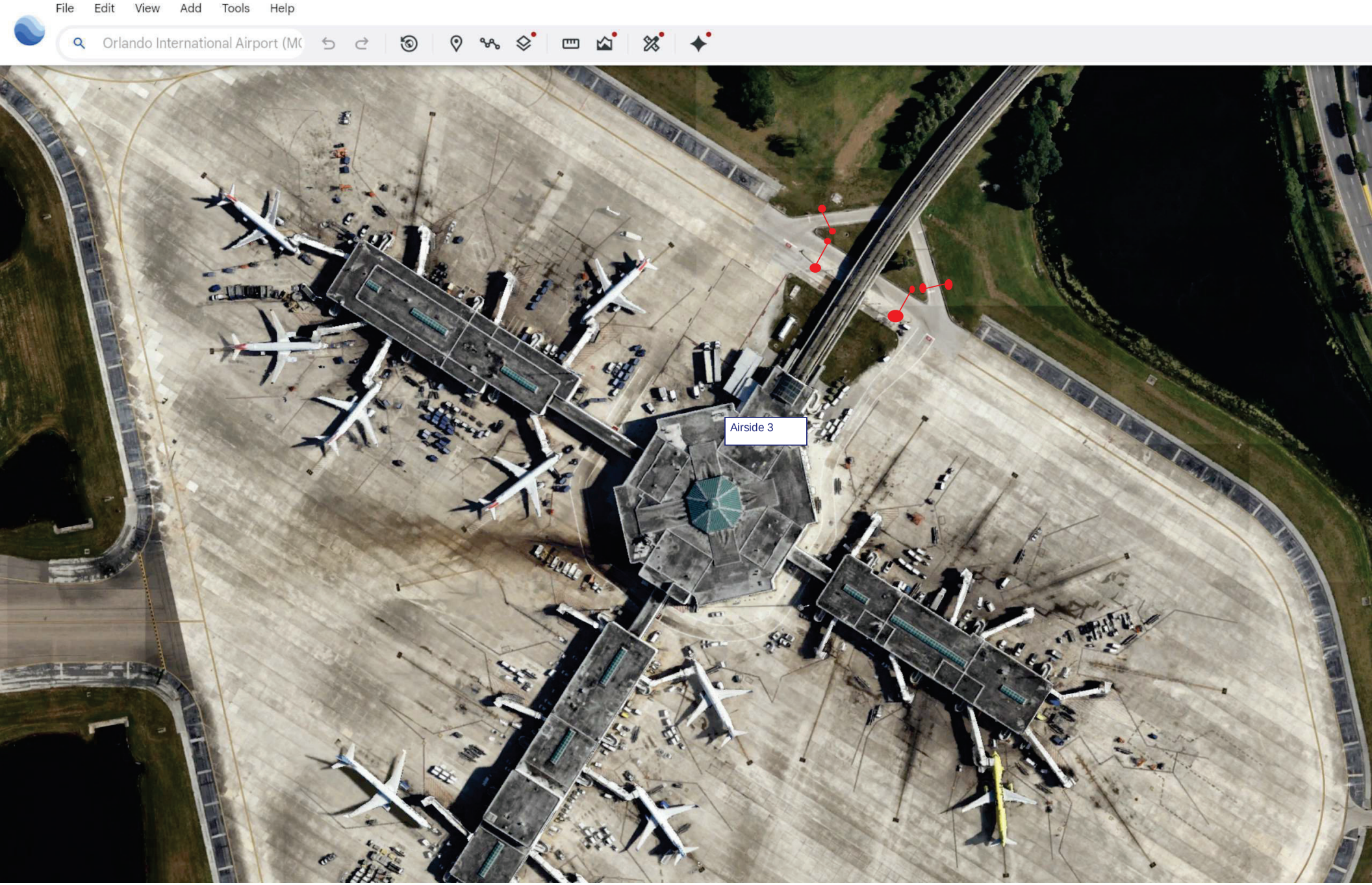
3-WAY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Airside 3

Airside 3 Service Road
CLEARANCE 13' 6"
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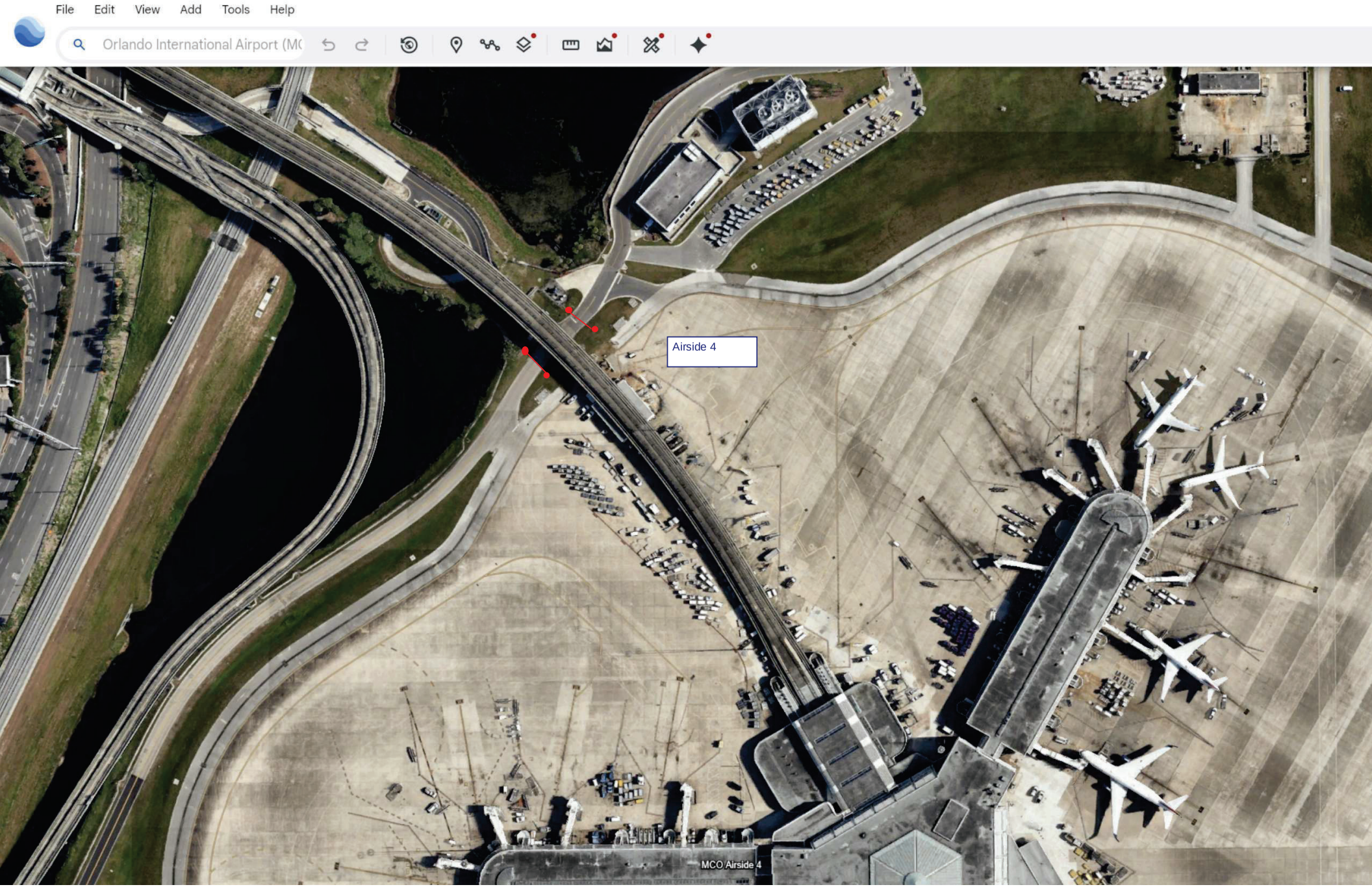
20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Orlando International Airport (MC
Airside 4
MCO Airside 4

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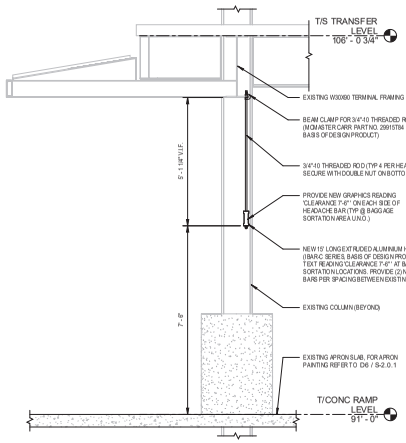
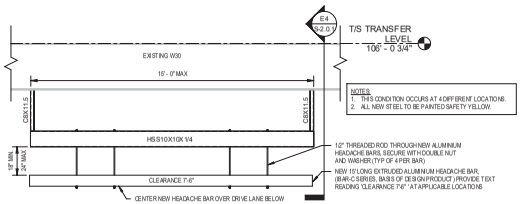
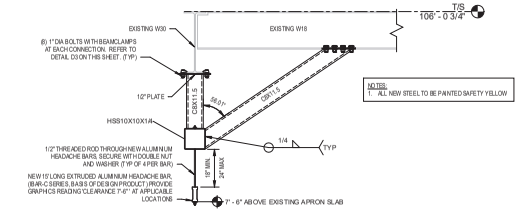
VOLTAGE
Airside 4 Service Road
STOP



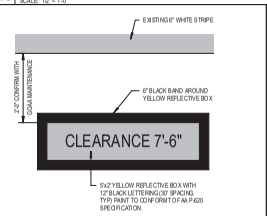
E6 HEADACHE BAR SECTION - BAGGAGE SORTATION WEST WING
SCALE: 1/2" = 1'-0"



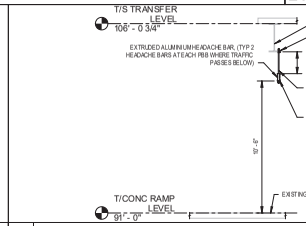
F4 OVERHEAD HEADACHE BAR ELEVATION - BAGGAGE DROP LOCATIONS NORTH WING
SCALE: 3/8" = 1'-0"



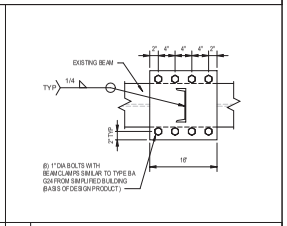
E4 OVERHANG HEADACHE BAR SECTION - BAGGAGE DROP LOCATIONS NORTH WING
SCALE: 1/2" = 1'-0"



D6 APRON PAINTING DETAIL
SCALE: NOT TO SCALE



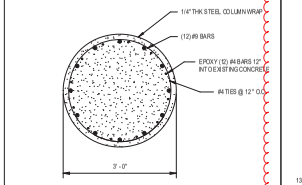
D5 SUSPENDED HEADACHE BAR SECTION - PBB LOCATIONS
SCALE: 1/4" = 1'-0"



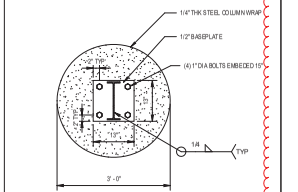
D3 BEAMCLAMP DETAIL
SCALE: 1" = 1'-0"

PBB OVERHANG CLEARANCE BAR SCHEDULE

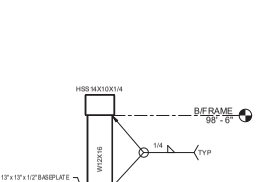
GATE/AREA	CLEARANCE 7'-6"	CLEARANCE 10'-6"	REQ'D/ED	NEW	DETAIL
250	-	3	2	1	D5/S-2.0.1
251	-	3	2	1	D5/S-2.0.1
252	-	3	2	1	D5/S-2.0.1
253	-	3	2	1	D5/S-2.0.1
254	-	3	2	1	D5/S-2.0.1
255	-	3	2	1	D5/S-2.0.1
236	-	3	2	1	D5/S-2.0.1
237	-	3	2	1	D5/S-2.0.1
238	-	3	2	1	D5/S-2.0.1
241	-	3	2	1	D5/S-2.0.1
240	-	3	2	1	D5/S-2.0.1
WEST WING BAGGAGE SORTATION	16	-	"	16	B5/S-2.0.1
243	-	3	2	1	D5/S-2.0.1
242	-	3	2	1	D5/S-2.0.1
245	-	3	2	1	D5/S-2.0.1
244	2	2	4	-	D5/S-2.0.1
TOTAL	18	44	32	31	



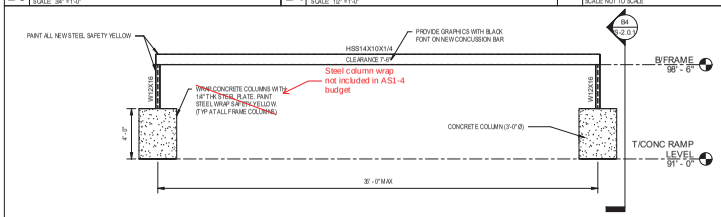
C5 TYPICAL CONCRETE COLUMN DETAIL
SCALE: 3/4" = 1'-0"



B5 TYPICAL BASEPLATE DETAIL
SCALE: 3/4" = 1'-0"



B4 TYPICAL CONCUSSION BAR SIDE VIEW
SCALE: 1/2" = 1'-0"



A5 TYPICAL CONCUSSION BAR FRAME
SCALE: 1/4" = 1'-0"

PART I - DESIGN CRITERIA

1. CODES AND REFERENCE STANDARDS: 2023 FLORIDA BUILDING CODE (FBC)

STRUCTURAL DESIGN DATA:

A. RISK CATEGORY: 4
B. WIND LOAD:
1. ULTIMATE WIND SPEED, 136 MPH
2. SITE EXPOSURE CATEGORY, C
3. INTERNAL PRESSURE COEFFICIENT +/-0.18
4. WIND BORNE DEBRIS REGION, NO
C. SEISMIC LOAD:
1. SEISMIC IMPORTANCE FACTOR, 1.00
2. SS = 0.061, S1 = 0.033
3. SITE CLASS, D
4. Sds = 0.065, Sd1 = 0.053
5. SEISMIC DESIGN CATEGORY = A, RESPONSE MODIFICATION COEFFICIENT, R = 3
6. SEISMIC RESPONSE COEFFICIENT, CS 0.022

GENERAL: THE FOLLOWING REQUIREMENTS TOGETHER WITH THE PROJECT PLANS AND SPECIFICATIONS SHALL APPLY TO THE STRUCTURES IN THIS CONTRACT.)

1. THE CONTRACTOR IS RESPONSIBLE FOR THE SURVEY AND FIELD VERIFYING ALL EXISTING CONDITIONS.
2. WORK ON STRUCTURAL DRAWINGS REPRESENTS FINAL CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL STABILITY OF ALL INTERMEDIATE CONDITIONS DURING CONSTRUCTION.
3. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, TIE-DOWNS, AND/OR SHORING MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
4. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROCEDURES. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION OR FOR RELATED SAFETY PROCEDURES.
5. TYPICAL NOTES AND DETAILS SHOWN ON STRUCTURAL TYPICAL DETAILS SHALL BE APPLICABLE TO ALL PARTS OF THE STRUCTURAL WORK EXCEPT WHERE SPECIFICALLY REQUIRED OTHERWISE ON THE CONTRACT DOCUMENTS. DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR CONDITION ON THE DRAWINGS AS DETERMINED BY THE ENGINEER.
6. DO NOT SCALE DRAWING DIMENSIONS.
7. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK INCLUDING DESCRIPTION OF DEMOLITION, TEMPORARY BRACING, CONSTRUCTION METHODS AND SEQUENCING, WHERE APPLICABLE. NO PERFORMANCE OF WORK SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE ENGINEER.
8. FABRICATION PRIOR TO THE RECEIPT OF AN APPROVED SHOP DRAWINGS SHALL BE AT THE CONTRACTOR'S OWN RISK AND THAT INSTALLATION OF ANY WORK PRIOR TO RECEIPT OF AN APPROVED SHOP DRAWING SHALL BE STRICTLY PROHIBITED.
9. DRILLING, CORING, SAW CUTTING AND ETC. INTO CONCRETE SHALL MEET THE LATEST OSHA REGULATIONS FOR SILICA DUST EXPOSURE.
10. INFORMATION RELATED TO EXISTING CONDITIONS REPRESENTS KNOWLEDGE BASED UPON INFORMATION PROVIDED BY THE OWNER BUT WITHOUT GUARANTEE OF ACCURACY. REPORT EXISTING CONDITIONS THAT VARY FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING CONSTRUCTION WHILE PERFORMING WORK. THE CONTRACTOR SHALL PROPERLY REINSTATE EXISTING FINISHES, FIREPROOFING OR ITEMS THAT ARE REMOVED OR DAMAGED WHILE PERFORMING WORK.

PART II- CONCRETE

1. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 - SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
2. STANDARDS:
DESIGN: ACI 318- LASTEST EDITION
DETAILS: ACI 315 - LASTEST EDITION
MATERIALS: ACI 301 - LASTEST EDITION
3. DESIGN STRENGTH
COLUMNS: 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS, NORMAL WEIGHT CONCRETE
4. SUBMIT PROPOSED CONCRETE MIX DESIGN TO THE OWNER'S REPRESENTATIVE AND TESTING LABORATORY CONCURRENTLY FOR REVIEW AND APPROVAL.
5. CONCRETE COVER OVER BARS:
CONCRETE DEPOSITED ON GROUND 3".
FORMED CONCRETE EXPOSED TO GROUND, WEATHER OR WATER 2".
WALLS & SLABS NOT DIRECTLY EXPOSED TO GROUND, WATER, OR WEATHER 1-1/2".
6. CLEAN AND APPLY BONDING AGENT TO ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE. ALL CONCRETE TO CONFORM WITH THE LATEST ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI - 301)
7. SECTIONS AND DETAILS MAY NOT SHOW ALL REQUIRED CONCRETE REINFORCEMENT. ADDITIONAL REINFORCEMENT MAY BE DESCRIBED IN SCHEDULES (IF APPLICABLE) AND NOTES.
8. PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH REQUIREMENTS OF ACI 315 UNLESS NOTED OTHERWISE.
9. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS (EXCEPT SHEAR WALLS) ARE PROHIBITED UNLESS AUTHORIZED BY ENGINEER.
10. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE EDGES U.N.O.

PART III- STRUCTURAL STEEL

1. STANDARDS:
DESIGN - AISC 360 - 2010
CONSTRUCTION - AISC 303, LATEST EDITION
BOLTED CONNECTIONS - LATEST EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
WELDED CONNECTIONS - AMERICAN WELDING SOCIETY (AWS) D1.1, LATEST EDITION
2. WIDE FLANGE SECTIONS AND TEES - ASTM A992 (Fy = 50 KSI)
3. SQUARE, RECTANGULAR & ROUND HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A500 GRADE C.
4. ALL STRUCTURAL BOLTS SHALL BE ASTM A-325 TYPE N UNLESS OTHERWISE NOTED.
5. USE WELDED OR BOLTED SHOP CONNECTIONS AND BOLTED FIELD CONNECTIONS WHERE POSSIBLE.
6. ALL EMBEDDED STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
7. ALL WELDING SHALL CONFORM WITH THE LATEST EDITION OF AWS CODE. ALL WELDERS (SHOP & FIELD) SHALL BE AWS D1.1 CERTIFIED FOR THE TYPE OF WELDING BEING PERFORMED.
8. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES, U.N.O.
9. WHERE A GROOVE WELD IS SHOWN WITHOUT AN INDICATED DEPTH OF PENETRATION THE JOINT SHALL BE A COMPLETE JOINT PENETRATION WELD (CJP).
10. FIELD CUTTING OF STRUCTURAL STEEL OR ANY FIELD MODIFICATIONS SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER FOR EACH INDIVIDUAL CASE.
11. STRUCTURAL STEEL EXPOSED TO THE WEATHER OR LOCATED IN A NONCONDITIONED SPACE, SHALL BE HOT DIPPED GALVANIZED

PART IV- POST INSTALLED ANCHORS

1. ALL POST INSTALLED ANCHORS OR REBAR INTO EXISTING CONCRETE USE HILTI HIT-RE 500 V3 INJECTION ADHESIVE ANCHOR OR APPROVED EQUAL
2. ALL POST-INSTALLED ANCHOR PRODUCTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION PROCEDURES.
3. DRILLING, CORING, SAW CUTTING AND ETC. INTO CONCRETE SHALL MEET THE LATEST OSHA REGULATIONS FOR SILICA DUST EXPOSURE.

B2 GENERAL NOTES
SCALE: 3/32" = 1'-0"

Basis of Design used for budgeting

HEADACHE BAR DETAIL AND TYPE	CLEARANCE	TYPICAL LENGTH (FT. PER SECTION TYPE) C8x11.5	HSS10x10x1/4	W12x16	HSS14x10x1/4	TOTAL
E4 - OVERHANG	7'-6"	16'-0"	15'-0"			6
A5 - CONCUSSION	7'-6"			3'-6"	30'-0"	6

CONCRETE QUANTITIES					
CONCUSSION BARS	COLUMN HEIGHT	DIAMETER	TOTAL LENGTH (FT. PER COLUMN) #4 REINF.	#6 REINF.	QUANTITY
CONCRETE COLUMN	4'-0"	3'-0"	83	48	12

A2 STEEL FRAMING & CONCRETE SCHEDULES
SCALE: NOT TO SCALE

GREATER ORLANDO AVIATION AUTHORITY

GOAA W-S00151 BHS HEADACHE BARS

AIRSIDE COMPLEX

ORLANDO INTERNATIONAL AIRPORT

C&S COMPANIES®
C&S Engineers, Inc.
605 E. Robinson Street, Suite 210
Orlando, Florida 32801
Phone: 407-422-1118
F.L. L.B. No. 7513
COA No. 3662

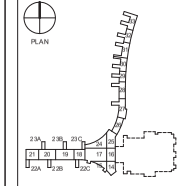
State of Florida Seal

NOT FOR CONSTRUCTION

Name: BRANDON C. WARNER
License/Registration #: 93500

Revisions

No.	Date	Description



Key Plan

Project No.:	V-S00038
Designed By:	S. CAPPLEMAN
Drawn By:	S. CAPPLEMAN
Checked By:	B. WARNER, PE
Issue Date:	05/10/2024
Drawing Scale:	As indicated

Drawing Title:

GENERAL NOTES & STRUCTURAL DETAILS

PRELIMINARY

Drawing No.

S-2.0.1

Gomez is confident in budget/historical pricing and will hold value

STEEL FABRICATORS, L.L.C.

BUDGET PROPOSAL

2/27/2026

GOMEZ CONSTRUCTION CO
750 JACKSON AVENUE
WINTER PARK, FL
ATTN: PETER ALVAREZ
PHONE: (407) 628-4353
EMAIL: palvarez@gomezconstruction.com

RE: MCO AIRSIDE 1-4 HEADACHE BARS
ORLANDO, FL
ESTIMATE #: 2026-1221

WE PROPOSE TO FURNISH AND INSTALL THE FOLLOWING ITEMS FOR THE PROJECT REFERENCED ABOVE IN ACCORDANCE WITH AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICE.

A. STRUCTURAL STEEL CONSISTING OF THE FOLLOWING:

1. HSS14x10x1/4 w/W12x16 Posts (1 - Shop Built Frame)
2. (2) ½" Base Plates
3. Galvanized finish (No Quenching Process)
4. Standard Safety Yellow Primer (Single Coat)

THE FOLLOWING STRUCTURAL STEEL ITEMS ARE FURNISH ONLY WITH PLACEMENT BY OTHERS:

1. (8) 1" Dia. Anchor Bolts

FOR THE LUMP SUM PRICE OF: ..... $ 39,587.00/EA
Florida State Sales Tax or Use Tax Included. Bond Not included, if Required, Add 1%

NOTE: ABOVE QUOTED PRICING IS VALID FOR 15 DAYS.

IN ACCORDANCE WITH DRAWINGS
ENGINEER:
ARCHITECT:
SPECIFICATION SECTIONS:
ADDENDA ACKNOWLEDGED:

EXCLUSIONS

1. Steel items not specifically shown, sized and/or located on the architectural and/or structural drawings unless specifically included.
2. Miscellaneous steel / miscellaneous metals.
3. Prevailing wages (i.e. Davis-Bacon, other federal, state or local) of any type.
4. Engineering/Design Calculation/signing and sealing of drawings by a Professional Engineer unless specifically included in scope of work above.
5. Materials or services not specifically included above.
6. Touch-up painting, special paint or sandblasting, finish paint of any type.
7. Architecturally expose structural steel (AESS)
8. Stenciling of graphics with black font.
9. Anchor bolt templates
10. Cyber Insurance

11. Provision of full detailed insurance policy (Certificate of insurance will be provided on project criteria)
12. Credit for Excess Liability Insurance on CCIP and/or OCIP projects.
13. Field verification of embed placement prior to concrete pours.
14. Cutting of holes/openings in metal deck for other trades
15. GPR Scanning
16. CMU Wall braces and/or supports
17. Halfen anchors
18. Stair Nosings
19. Supply of and/or installation of grout and or concrete or concrete fill.
20. All gage metal, including Unistrut, light gage metal studs or track, etc. (unless specifically listed as a miscellaneous item)
21. Metal deck over light gauge materials
22. Installation of any materials that attached to light gage framing. Specifically, deck over light gage trusses and/or other framing.
23. Material, labor, and holes for wood to steel connections and/or wood "nailer" holes.
24. Any costs associated with permits, inspections, or field surveys.
25. Any non-ferrous materials unless specifically listed as a miscellaneous item.
26. Flexible closure strips
27. Precast embeds
28. Placement of anchor bolts or any cast-in concrete steel embeds.
29. Layout, drilling and installation of expansion bolts and shelf angles.
30. Samples
31. Reinforcing steel
32. All cast iron items unless specifically included (site castings, trench covers, downspout covers, nosings, etc.)
33. Dissimilar metal protection
34. Demolition and removal or relocation of existing materials
35. Perimeter safety rail at roof and/or any and all floors and all openings therein.
36. Safety cables other than those required for steel erection
37. Liquidated damages of any type.
38. Bond costs
39. Composite clean-up crew
40. Bituminous/mastic coatings
41. Specification sections: 05400, 05580, 05700, 05810
42. Costs for customer specific safety orientation of on site workers, if required this will be offered on a unit price basis at standard straight time rates.
43. "Warehouse" premiums for raw material.
44. Shop and field independent inspection costs
45. "Pay When Paid" payment terms.
46. IAS AC172 - Accreditation Criteria for Fabricator Inspection Programs for Structural Steel AC172 2019

QUALIFICATIONS

1. Estimate based on steel delivery for 2nd quarter of 2026.
2. Field dimensions, if required, are to be supplied by others in a manner so timely as to promote a fluent detailing process.
3. Others are to expose work areas, protect and/or relocate all glass, utilities, or any items, which can be damaged due to welding or burning. Fire watch, if required, is by others. If these items are left in place unprotected, Steel Fabricators, LLC will not accept responsibility for damage. Any materials that limit the operation of the crane and/or crew are to be removed by others.
4. Others are to provide adequate roads into and through the site for the safe delivery of cranes and material. Properly graded, convenient and adequate space for the operation of cranes and equipment, storage of materials, and removal of all overhead obstructions such as power lines in order to provide a safe area of erection shall be provided by others.
5. Proposal anticipates availability of 440 Volt. 3 Phase electrical power for field welding.
6. This Proposal is based on one (1) continuous uninterrupted erection operation.

7. Miscellaneous steel as listed in this Proposal will be accepted under Contract only as listed. The acceptance of miscellaneous steel as a specification section item is specifically excluded.
8. Connections not specified and detailed on the contract drawings will be designed to resist ½ the total uniform allowable load capacity for a non-composite section (for the given span and grade of steel specified) or ½ the maximum shear allowable load capacity for each section, whichever is smaller, Ref. AISC 9th edition manual. These are "standard" connections and therefore it is understood that signed and sealed calculations are not required.
9. The scope of work as defined herein shall be included within any resultant contract or purchase order.
10. Proposal is based on complying with the current OSHA Standards, **Subpart R**-steel erection.
11. Proposal is based on mill material and mill rolling schedules.
12. **PLEASE NOTE:** Schedules provided are subject to the following conditions:
    - Steel Fabricators will need to receive a letter of intent, purchase order, signed proposal or contract prior to beginning any function (i.e. shop drawings, ordering of materials, fabrication, or erection) for this project.
    - Steel Fabricators will need to receive a copy of the Notice of Commencement. Steel Fabricators will not be held responsible for any delays in issuance of the above documents and any such delays could result in extra charges.
13. Foundations are to be completed by others to grade with anchor bolts properly set with center lines marked in both directions on foundations and leveling nuts set at proper elevation. Steel Fabricators excludes any survey work.

ERECTION CONDITIONS

1. Hoisting of beams and structural steel materials is included in our scope of work and price.
2. Proposal is based on normal daylight hours from 7:00 a.m. to 3:30 p.m., Monday through Friday.
3. Others are to provide staging area to store materials.
4. Proposal is based on (1) crew mobilization for entire project.
5. Proposal excludes any demolition.
6. Others are to provide all barricades, temporary pedestrian walkways, and all protection from welding sparks, flashes, heat etc. for all people, buildings, merchandise and vehicles. Street closing permit, police protection, etc. as required are to be provided by others for all erection operations, equipment access and staging area for stored materials.
7. Walkway buildings will have to be closed to pedestrian traffic while erecting steel above.
8. Others are to provide any ventilation necessary due to welding fumes. Smoke evacuation and fire protection/watch by others.
9. Proposal excludes any penetrations through the roofing material and metal deck for installation of roof top frames.
10. Others are to remove conduits, plumbing, air ducts, sprinkler lines, rain water leaders, fireproofing, and mechanical ducts, etc. interfering with the erection of structural steel.
11. Proposal excludes any provision for temporary safety devices, i.e. safety cable of any type (with or without toe plate) or barricades of any type.
12. Fully vacate work areas from store employees, customer store products, isle rack, and any type of existing obstruction that may delay the process of erection or create a safety hazard in existing subject work areas.
13. Others are to protect all existing glass on adjacent structures, walkway between structures and walkway over Street.

April 23, 2026

Mr. Peter Alvarez
Gomez Construction Company
750 Jackson Avenue
Winter Park, FL 32789

Reference: **Transmittal of Scope of Work**
V-01113 Design/Build Airside APM Headache Bars
Orlando International Airport (MCO)

Dear Mr. Alvarez:

As a follow up to our discussions, AVCON has prepared the following design/build (DB) scope and fee proposal to provide structural design services for twelve (12) roadway span headache bars at the roadway approaches to the Automated People Movers (APMs) at Airsides 1, 2, 3, and 4 at Orlando International Airport. The project requirements are intended to alert drivers of approaching vehicles that their vehicle is too high for safe passage underneath the APM and are thereby a threat to the integrity of the structure.

The scope of work includes the following items:

1. Overall AVCON Project Management (In-house and Subconsultants)
2. Survey, Utility Locates and UES of the four locations by ECHO (AVCON Subconsultant)
3. Geotechnical Investigation and recommendations for foundations by GEC (AVCON Subconsultant)
4. DB Civil Design and Drawing Preparation
5. DB Structural Design and Drawing Preparation
6. Construction Phase Services and Site Visits

Drawing Summary. Drawings will be prepared to Design/Build Quality Level of approximately 60%, or greater, up to building permitting level. Drawings are anticipated to include:

1. Standard GOAA Cover Sheet
2. Index of Drawings, and General Notes
3. Safety and Security Plan Notes
4. Haul Routes and Staging & Storage Areas
5. Existing Conditions (Survey Drawings by ECHO)
6. Geotechnical Borings (by GEC)
7. Civil Site Plans for Foundations
8. Structural Design, Notes, and Details
9. FDOT Standard Details for MOT

Assumptions. The following assumptions are made as the basis of this proposal.

1. No utilities will be relocated as part of this project. Utility avoidance will govern placement of foundations.
2. Structural foundation placement are the only new impervious areas proposed, and no stormwater design or permitting is proposed.

3. Permitting is limited to Structural Building Permit; no City of Orlando Site Permitting is proposed. Permit fees to be paid for by others.
4. Height of headache bars shall be based on the current posted/noticed heights, or as directed by GOAA. The actual clear height of the APM will not be surveyed.
5. Headache bar structures will be static, non-illuminated. No Electrical Engineering is proposed.
6. AVCON is not responsible for Contractor Means and Methods of Construction.
7. A Project Manual, General Conditions, Special Conditions, Technical Specifications, Engineer's Report, or Engineer's Estimate of Cost will not be project deliverables.
8. If required, items not specified herein as included in this scope, shall be considered extra work subject to supplemental fees.

Based on the above scope, we have identified a Lump Sum fee of **One Hundred and Forty-Two thousand Five hundred Seventy and no/100 cents ($142,570.00)** to complete the work, broken down as follows:

AVCON Project Management	$ 12,500.00
ECHO Survey, Utility Locates and UES	$ 42,570.00
GEC Geotechnical Exploration and Report	$ 24,000.00
AVCON Civil Engineering and Drawing Preparation	$ 21,500.00
AVCON Structural Engineering and Drawing Preparation	$ 26,500.00
AVCON Construction Phase Services	$ 12,000.00
Additional Fee for JCMs (If needed)	$ 3,500.00
Total Lump Sum Fee	**$142,570.00**

AVCON proposes to solely conduct this effort based on the specified services. As such, there are no extraneous services required, thus no MWBE participation is proposed.

Thank you for considering **AVCON** to perform these services. We look forward to the approval of our Scope of Work and the Notice–to-Proceed with the DB effort.

Sincerely,

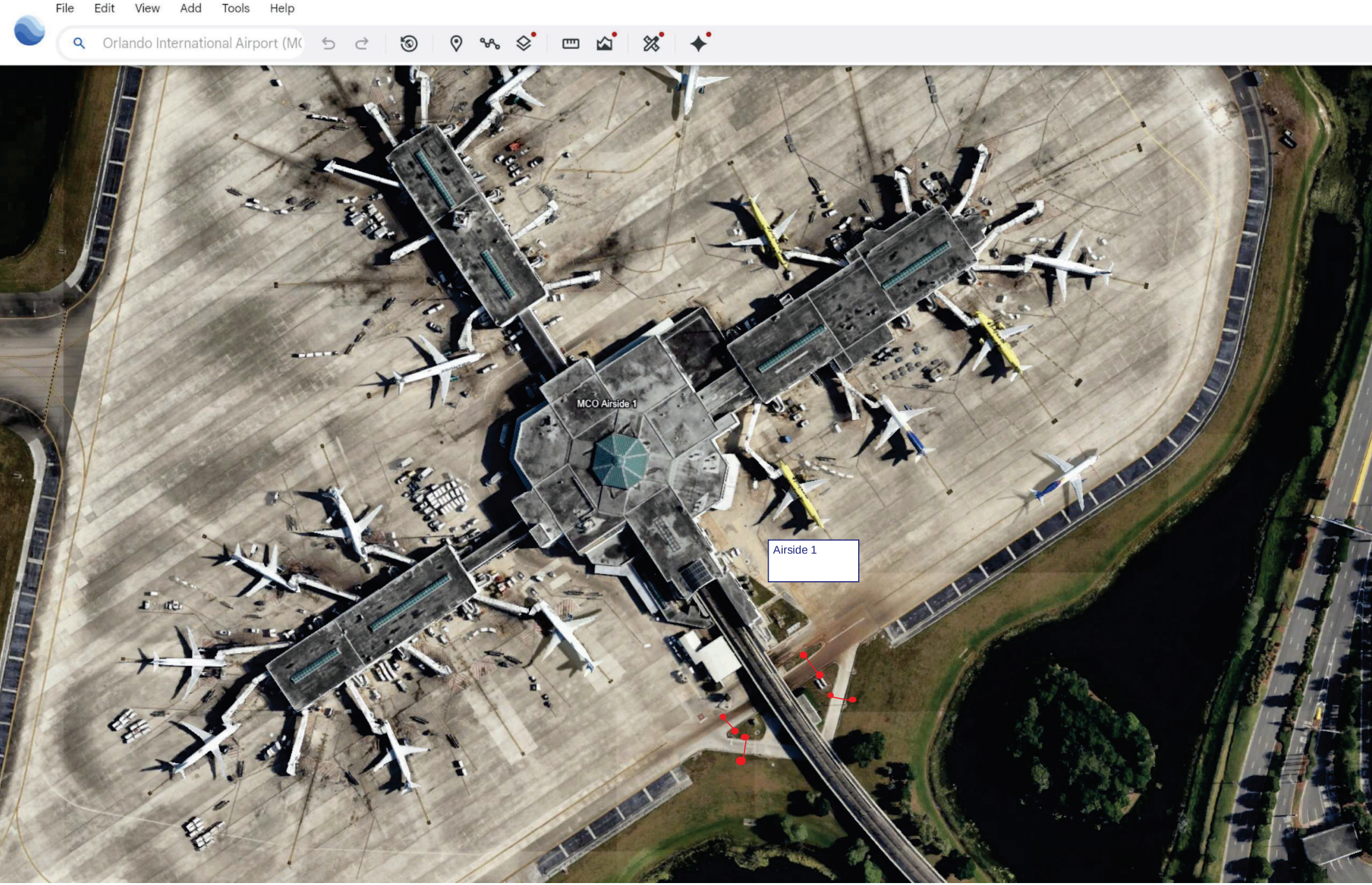
AVCON, INC.

Dominick Fiorentino III, P.E.

Dominick Fiorentino, P.E.
Sr. Structures Project Manager

Enclosures: Airside Location Exhibits

C: Robert Palm, Hilary Maull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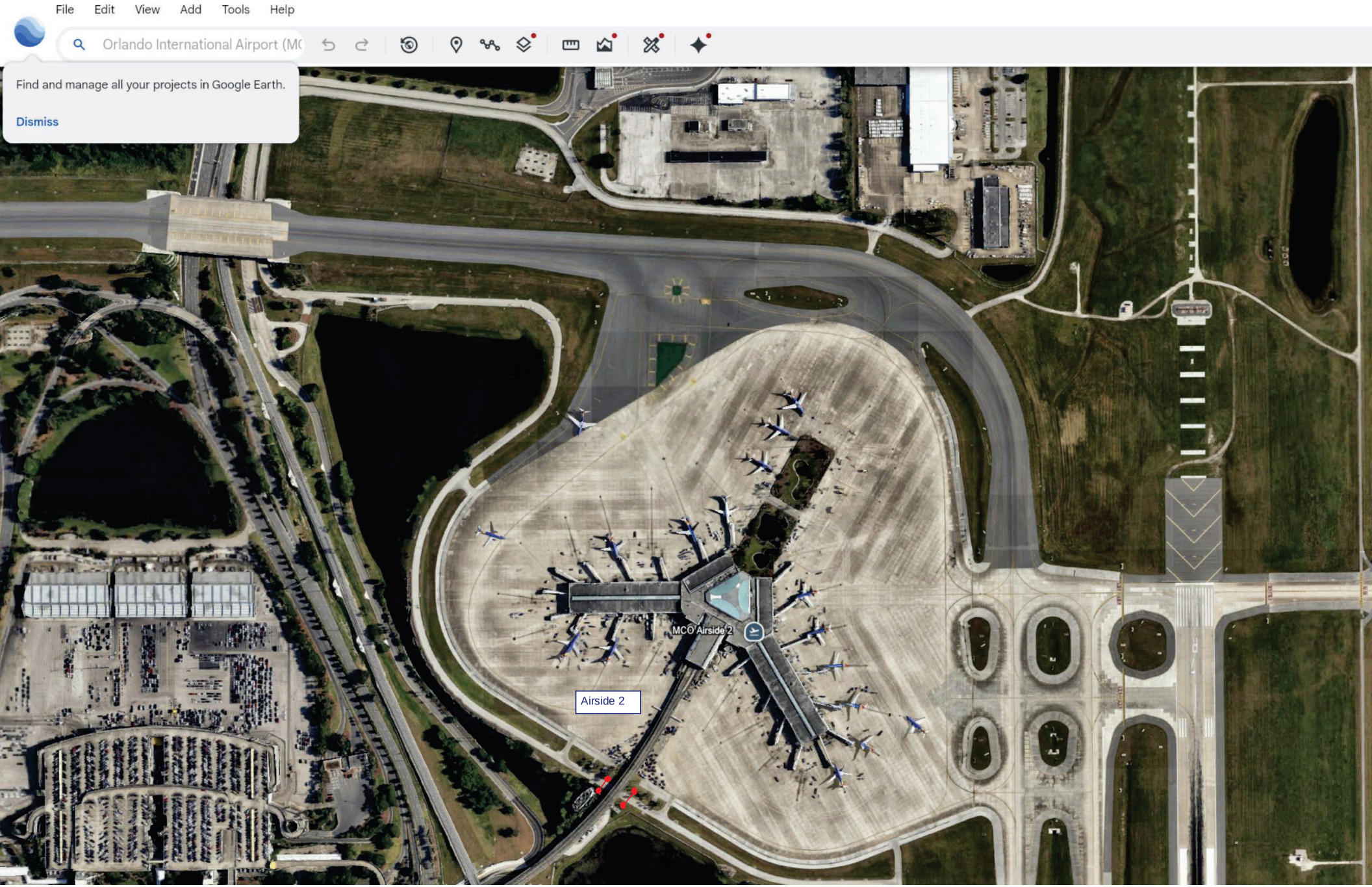
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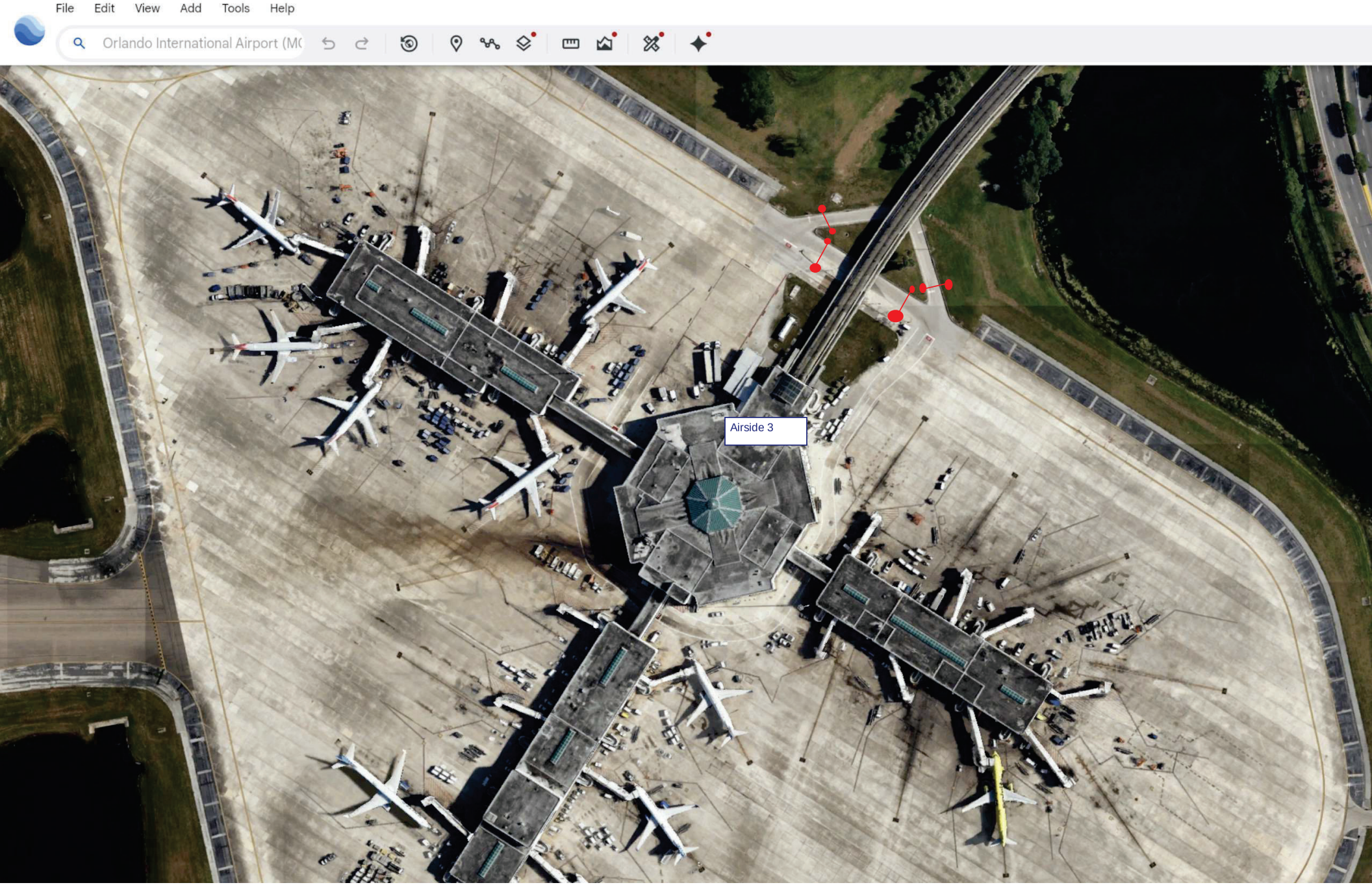
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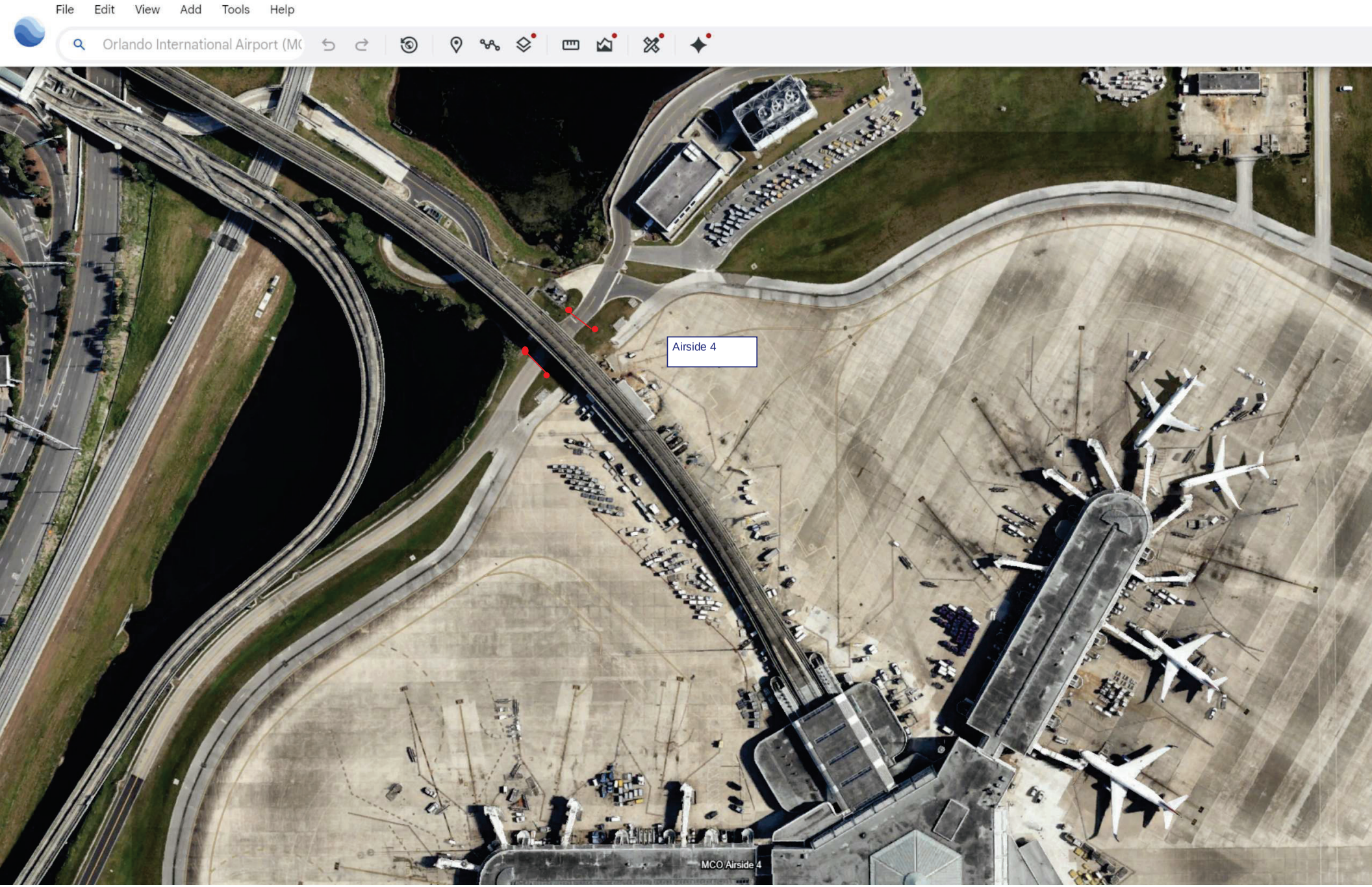
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Airside 4
MCO Airside 4

UTILITY ENGINEERING & SURVEY
ECHO UES, Inc.
888.778.ECHO
www.echoues.com
Grow, Inspire, Make a Difference

April 22, 2026

Dominick Fiorentino III, P.E., M. ASCE, SEI
Structures Design Manager
AVCON, INC.

PROPOSAL FOR TOPOGRAPHICAL SURVEY and SUBSURFACE UTILITY ENGINEERING SERVICES

Project: MCO Design-Build for Twelve Overhead Headache Bars at AS 1, 2, 3 and 4, Orange County, FL

Dear Mr. Fiorentino:

At ECHO UES, Inc. (ECHO) we value your consideration and appreciate the opportunity to provide a proposal for professional services. This proposal, inclusive of a fee estimate, details the approach we consider most suitable for your project's needs.

Project Synopsis: Based on the information made available to ECHO, we understand the project consists of design-build services for the installation of twelve Overhead Headache Bars and associated improvements for Airside 1-4 at MCO, in Orlando FL. ECHO's professional services were requested to provide topographical survey and subsurface utility engineering services in support of this work.

Project Limits: ECHO's proposed services will be performed within a well-defined areas (i.e., Project Limits) as shown in the attached exhibit.

Scope of Services

Subsurface Utility Engineering (SUE) Services
Using a combination of field investigative techniques and technology, including surface geophysical instruments (e.g. GPR, pipe/cable locators) and vacuum excavation if needed, ECHO will perform the following services.

1. **Identification and marking of existing utilities.** Utilities in potential conflict with the project and located within the project limits will be investigated in an attempt to identify

their position. The results will be marked on the ground surface using the most appropriate method (i.e., pin flags, paint etc.) and showing the approximate position of the identified utilities. **For this effort, ECHO will attempt to achieve the ASCE/UESI/CI 38-22 Utility Quality Level B.**

ECHO will attempt to identify and mark detectable underground utilities in potential conflict with the proposed installation(s) and located within the project limits, with the exclusion of minor irrigation lines and minor service lines.

2. **Verification of utility location and characteristics**. At locations selected by the Client, ECHO will attempt to expose utilities via minimally intrusive methods (e.g., use of vacuum excavation) to confirm their characteristics (e.g., type, size, material, direction, configuration) and provide an accurate location. After each excavation (test hole) ECHO will record all verifiable utility information, mark the utility location with the most appropriate method (e.g., wooden lathes, "X" mark on concrete, nail and disk on asphalt) and restore the field to as close as possible to its original conditions. **For this effort, ECHO will attempt to achieve the ASCE/UESI/CI 38-22 Utility Quality Level A.**

   Upon review of the designated utilities and following any slight adjustment to the proposed locations by the EOR, ECHO proposes to perform four (4) utility verification test holes per proposed foundation. Excavation holes will be performed in the most conducive manner (i.e., star pattern, trenches, etc.) to comprehensively investigate the signal foundation footprint over a 4-ft diameter area and down to a depth of approximately 5-6ft.

   It is anticipated that ECHO will perform up to 12 (overahead bars) x 2 (foundations each) x 4 (test holes per foundation) = 96 utility verification test holes.

Topographic and Utility Survey

- Set/recover horizontal and vertical control throughout the project limits to collect the topographic and subsurface utility engineering information.
- Collect aboveground and visible features and improvements within the highlighted limits as shown and described by the attached graphic, to include utility information as identified per the steps above.
- Detail and survey gravity storm and sanitary systems located within the project limits.
- Collect sufficient elevation data to create a digital terrain model (DTM) of the site.
- Survey geotechnical borings, if any.

- The survey will be based on the North American Datum of 1983 (NAD83), East Zone and elevations will be referenced to the North American Vertical Datum 1988 (NAVD 88).
- The horizontal and vertical survey control will be provided in the final survey in tabular format for use by the contractor during construction activities.
- All survey efforts will be conducted in accordance with the Standards of Practice set forth in Rule Chapter 5J-17, F.A.C., pursuant to Section 472.027, F.S.

Deliverables:

- Survey digital CADD file (AutoCAD), PDF sheets of the survey on an appropriate format and scale, and a signed and sealed surveyor's report.
- Test hole data reports, if/when applicable.

Proposed Schedule: To be agreed upon with Client.

Notes and Limitations:

1. Client shall facilitate access to the site and provide any relevant project information.
2. The site must be clear of obstacles impeding access to any portion of the project limits.
3. Standard work hours are from 7:00am to 4:00pm, Monday through Friday; additional charges may occur (following discussion with the Client) in case of weekend or nighttime work.
4. ECHO will not work on any site that is known to be contaminated with any hazardous or harmful substance.
5. Any permit or fee requested to perform the work complying with any stakeholder's requirement will be submitted to the Client with a 5% administrative markup.
6. FDOT Design Standards (Index 600 Series) will be utilized for the Maintenance of Traffic (MOT). Should the site require modification to the Index 600 for non-standard MOT arrangements, ECHO will seek the Client's concurrence to obtain signed and sealed project's specific MOT plans (to be provided by others).
7. Any cost associated with signed and sealed MOT plans will be submitted to the Client with a 5% administrative markup.
8. Unless otherwise stated within this proposal, test holes have usual depth of up to eight (8) ft. from the ground surface, and diameter of up to 1 ft. Should there be a need for deeper or wider excavations, additional charges may apply.
9. The original ground surface at each test hole location will be restored to as close as possible to its original conditions, using concrete mix or asphalt cold patch as applicable. Any deviation from this standard (e.g., use of hot asphalt, flowable fill etc.) may require additional charges and the use of specialty subcontractors.
10. Regardless of the type of estimate proposed (e.g., lump sum, time and materials, etc.) such an estimate should be considered indicative and based on preliminary information. Should any situation out of ECHO's control heavily impact ECHO's field work performance (e.g., adverse site conditions), ECHO reserves the right to seek additional funds to complete the work.
11. The exact location of any underground utility is not guaranteed unless clearly exposed and visually verified at a specific location. Utility characteristics, methods of installation, soil conditions and the surrounding environment all may impact adversely the results of any utility investigation with surface geophysical instruments and technology. No guarantee is made that all utilities will be found and identified.
12. Independently from ECHO's scope of work and performance, the Client shall comply with the relative chapter from the Florida (or any other applicable) Statutes: "Underground Facility Damage Prevention and Safety Act" and call 811 prior to any excavation taking place.

13. Subsurface Utility Engineering, Designating and Locating terms all refer to the American Society of Civil Engineers / Utility Engineering and Surveying Institute / Construction Institute "Standard Guideline for Investigating and Documenting Existing Utilities" (ASCE/UESI/CI 38-22). Should ECHO adopt this standard for the performance of the scope of work and preparation of deliverables, clear mention to the Standard shall be made throughout the deliverable.

Fee: ECHO's fee estimate is provided below.

- **Perform services as described herewith, inclusive of up to 96 utility verification test holes: Fixed Fee: $42,570.00**

Acceptance: We will honor this proposal for 90 days. If accepted, please return together with the associate subagreement duly executed.

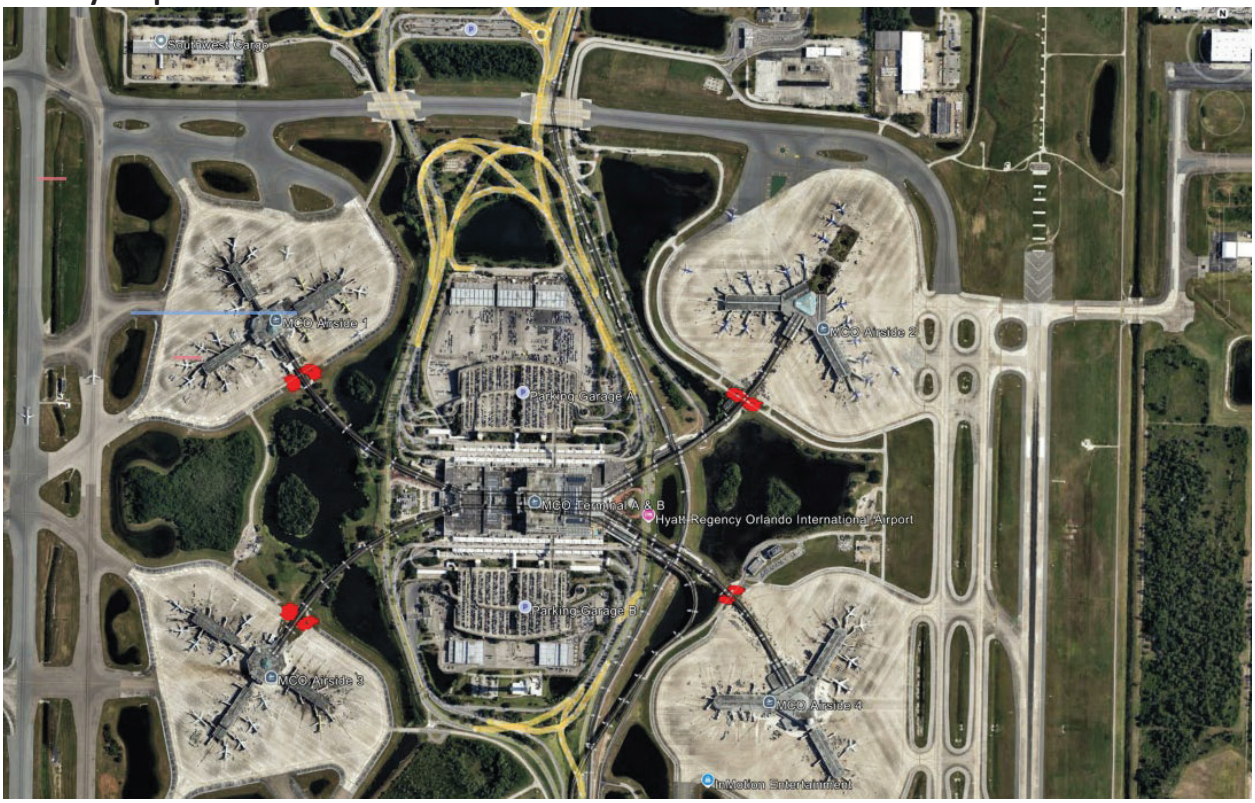
At ECHO UES, Inc. we believe in collaboration and communication with our clients, driven to understand their needs and provide time-effective and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction and Maintenance of infrastructure.

Thank you for considering ECHO for your project, and please do not hesitate to contact me directly should you have any questions or concerns.

Sincerely,

Carlo Pilia
Sr. Vice President
ECHO UES, Inc.

Vicinity Map:

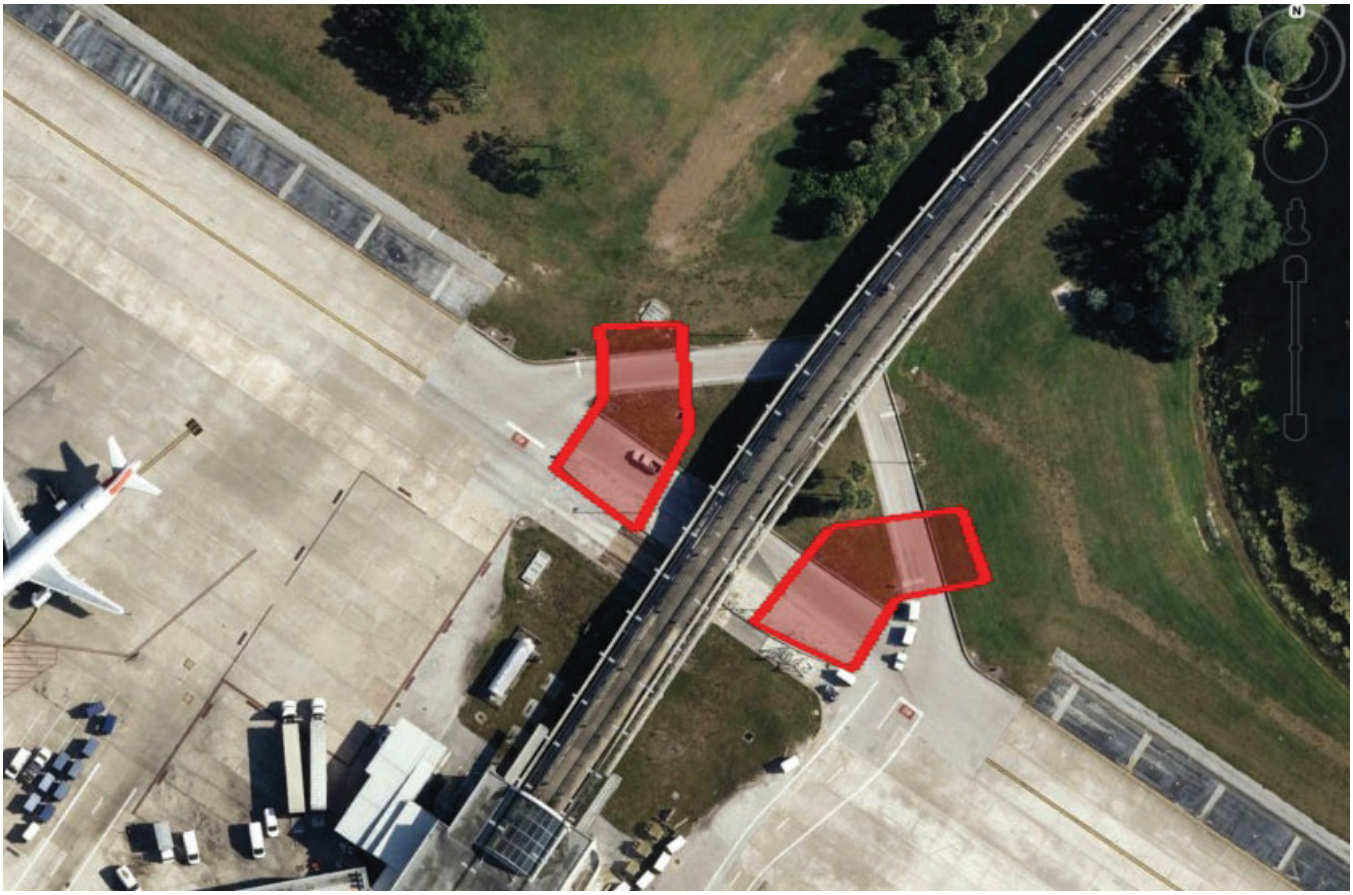


Project Limits:

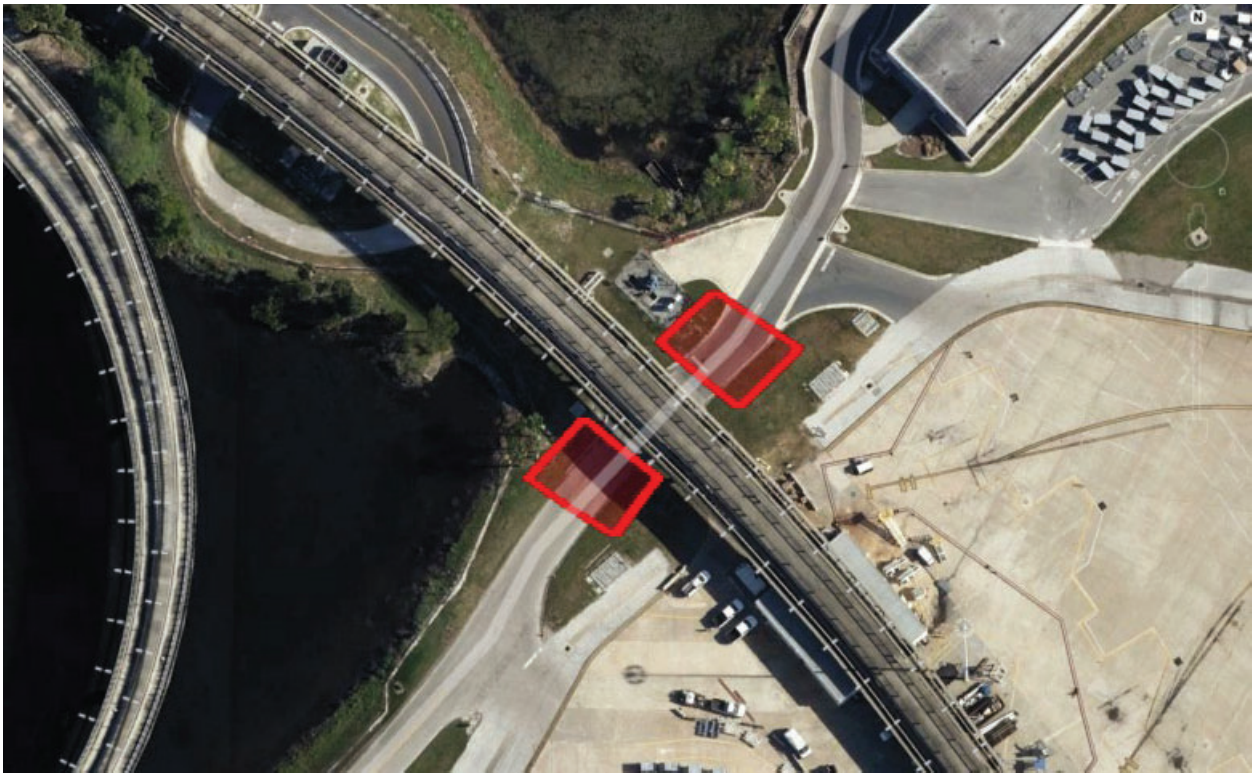
AIRSIDE 1

AIRSIDE 2

AIRSIDE 3



AIRSIDE 4



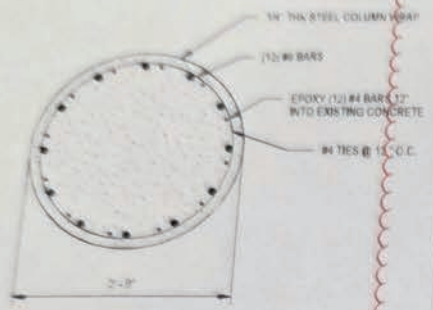
...ING DETAIL

T/CONC RAMP LEVEL 91' - 0"

EXISTING APRON SLAB

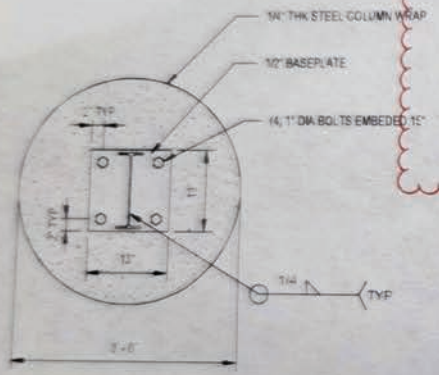
D5 SUSPENDED HEADACHE BAR SECTION - PBB LOCATIONS

SCALE: 1/4" = 1'-0"



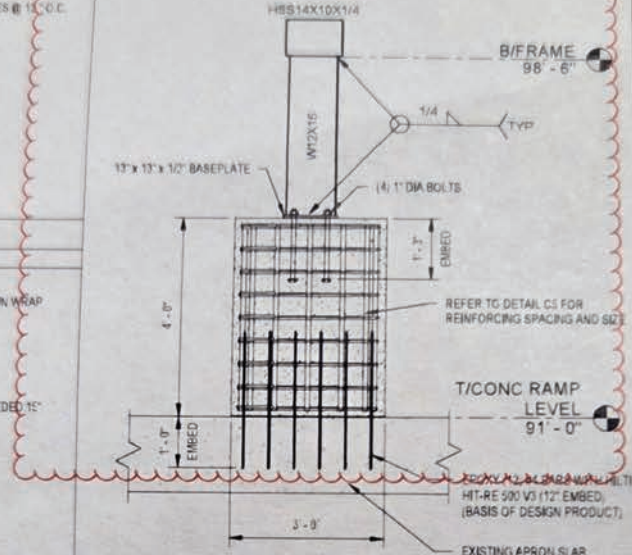
C5 TYPICAL CONCRETE COLUMN DETAIL

SCALE: 3/4" = 1'-0"



B5 TYPICAL BASEPLATE DETAIL

SCALE: 3/4" = 1'-0"



B4 TYPICAL CONCUSSION BAR SIDE VIEW

SCALE: 1/2" = 1'-0"

D3 BEAMCLAMP DETAIL

SCALE: 1" = 1'-0"

PBB OVERHANG CLEARANCE BAR SCHEDULE

GATE/AREA	CLEARANCE 7'-6"	CLEARANCE 10'-6"	REUSED	NEW	DETAIL
230	-	3	2	1	DS/S-2.0.1
231	-	3	2	1	DS/S-2.0.1
232	-	3	2	1	DS/S-2.0.1
233	-	3	2	1	DS/S-2.0.1
234	-	3	2	1	DS/S-2.0.1
235	-	3	2	1	DS/S-2.0.1
236	-	3	2	1	DS/S-2.0.1
237	-	3	2	1	DS/S-2.0.1
238	-	3	2	1	DS/S-2.0.1
24*	-	3	2	1	DS/S-2.0.1
240	-	3	2	1	DS/S-2.0.1
WEST WING BAGGAGE SORTATION	16	-	-	16	DS/S-2.0.1
242	-	3	2	1	DS/S-2.0.1
243	-	3	2	1	DS/S-2.0.1
245	-	1	1	1	DS/S-2.0.1
246	2	2	4	-	DS/S-2.0.1
TOTAL	18	44	32	31	

B3 OVERHANG HEADACHE BAR SCHEDULE

SCALE: NOT TO SCALE

PART III- STRUCTURAL STE

1. STANDARDS
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   BOLTED CO
   ASTM A325
   WELDED C
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3. SQUARE, RECTANG
4. ALL STRUCTURAL
5. USE WELDED OR B
6. ALL EMBEDDED ST
7. ALL WELDING SHA
   PERFORMED.
8. ALL WELDING SHA
9. WHERE A GROOVE
10. FIELD CUTTING O
    CASE.
11. STRUCTURAL STE

PART IV- POST INSTALLE

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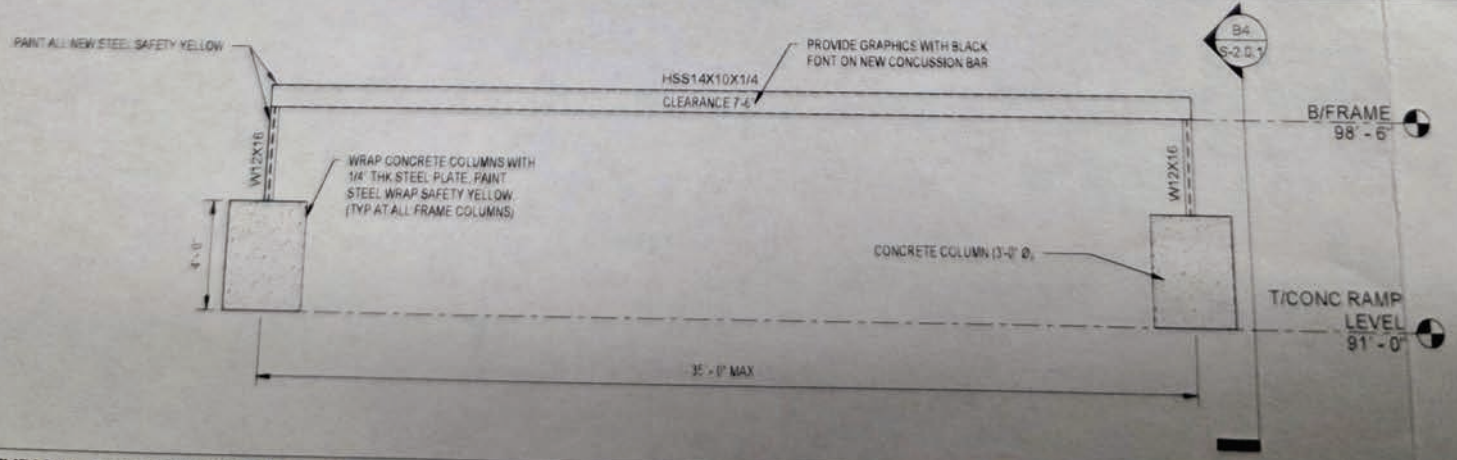
2. ALL POST-INSTA
3. DRILLING, CORIN

B2 GENERAL

SCALE: 3/32" = 1'-0"



A5 TYPICAL CONCUSSION BAR FRAME

SCALE: 1/4" = 1'-0"

A2 STEEL

Geotechnical and Environmental Consultants, Inc.

April 22, 2026

Avcon Engineering, Inc.
5555 E. Michigan St, Suite 200
Orlando, FL 32822-2779

Attention: Mr. Dominick Fiorentino III, P.E.
Structures Design Manager

Subject: Proposal for Geotechnical Engineering Exploration
MCO AS1, AS2, AS3 and AS4 HEADACHE BARS
Orange County, Florida
GEC Proposal No. 12589G

Dear Mr. Fiorentino:

Geotechnical and Environmental Consultants, Inc. (GEC) is pleased to provide this proposal for the above-referenced project. This proposal is based on information provided by you on April 22, 2026. The purpose of this investigation will be to explore soil and groundwater conditions at the site and to use the information obtained to provide recommendations for design of the drilled shaft foundations. This proposal presents our understanding of the project, our scope of services and the cost and schedule for providing those services.

Site Location and Project Description

The project site is located at the Orlando International Airport in Orange County, Florida. More specifically, the project site is the location where the Automated People Movers (APM) cross the perimeter roads to Airside (AS) 1, 2, 3 and 4 as shown on the **Attachments**. We understand that project plans include the installation of headache bar structures over the permitter roadways at the APM crossing. There will be 4 structures at AS1, 2 structures at AS2, 4 structures at AS3 and 2 structures at AS4. We understand signs will be supported on two drilled shaft foundations, each.

Geotechnical Scope of Services

Our recommended geotechnical scope of services includes the following:

- Stake boring locations at the site and coordinate with on-site GOAA access control.

- Utilities will be cleared at the boring locations by ECHO UES.
- Mobilize truck-mounted drilling rig and crew. All work will be performed within the GOAA Secure Area (AOA) and as such will require an escort.
- Perform a total of 20 Standard Penetration Test (SPT) borings to 15 feet near the proposed foundation locations. The number of borings is summarized below:
    - AS-1: 4 Structures with 8 foundations – 6 SPT borings
    - AS-2: 2 Structures with 4 foundations – 4 SPT borings
    - AS-3: 4 Structures with 8 foundations – 6 SPT borings
    - AS-4: 2 Structures with 4 foundations – 4 SPT borings
- Perform routine laboratory soil classification tests to aid in visual soil classification.
- Issue a geotechnical engineering report, signed and sealed by a geotechnical engineer licensed in Florida. The report will address the following project elements:
    - Soil conditions at the boring locations
    - Measured and estimated seasonal high groundwater levels in the borings
    - Foundation soil parameters to guide drilled shaft foundation design

Cost and Schedule

The cost to provide the scope of services is a Lump Sum Fee of $24,000.00 (This fee includes an electronic copy of our report emailed to you.

Our total schedule to complete the work will be about 8 weeks from your written notice to proceed. Verbal recommendations can be provided shortly after the field work is completed.

Limitations

This proposal is subject to the following limitations:

- The site will be accessible to the drilling equipment assumed above. If other types of drilling equipment become necessary due to site and/or weather conditions, appropriate adjustments to the actual fees will be necessary
- If the site requires secure area badges, GEC will need badged escort to be provided to our drill crew to perform their work.
- Undisturbed samples and consolidation tests are not included, unless stated above
- We assume no responsibility for damage to underground utilities and/or structures that are not located.
- Assessment of environmental contamination at the site (other than specified herein) is not included

Closure

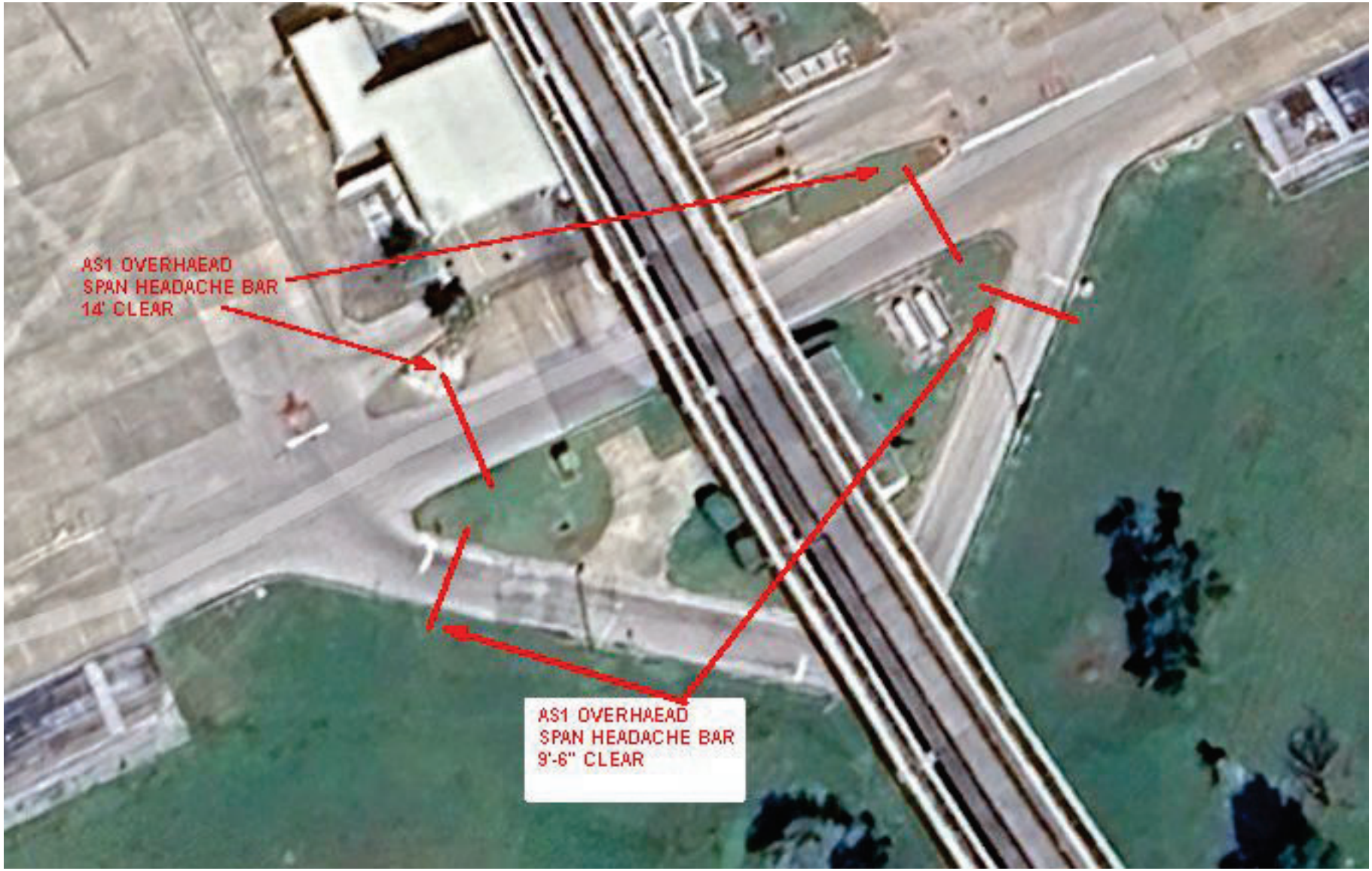
GEC appreciates the opportunity to submit this proposal. If you have any questions regarding this proposal, or if we can be of further assistance, please contact the undersigned.

Very truly yours,

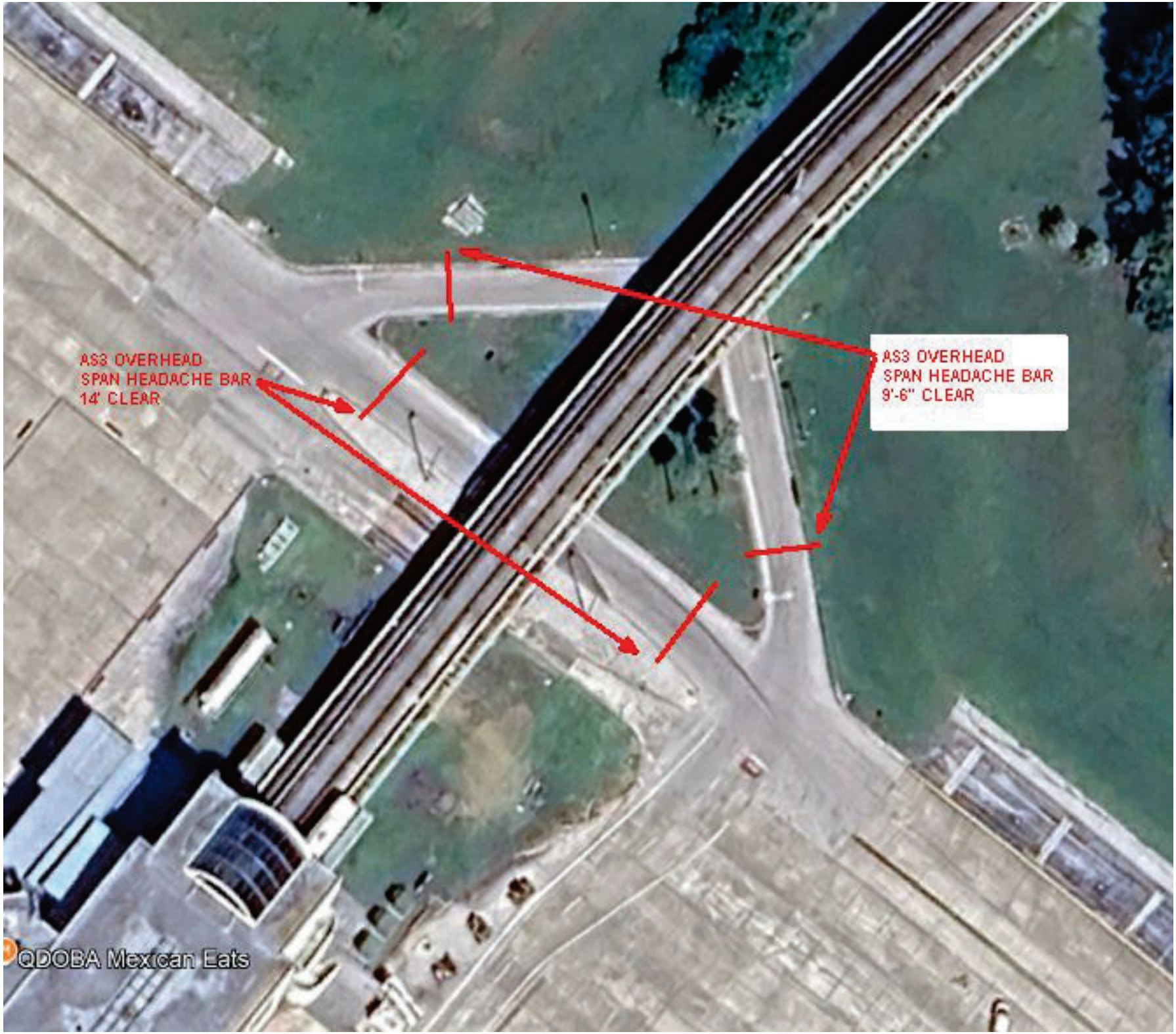
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.

Gene Williford, P.E.
Senior Geotechnical Engineer

ATTACHMENTS


AS1 OVERHAEAD
SPAN HEADACHE BAR
14' CLEAR
AS1 OVERHAEAD
SPAN HEADACHE BAR
9'-6" CLEAR

SPAN OVERHEAD
HEADACHE BAR
14' CLEAR


AS3 OVERHEAD
SPAN HEADACHE BAR
14' CLEAR
AS3 OVERHEAD
SPAN HEADACHE BAR
9'-6" CLEAR
QDOBA Mexican Eats

AIRSIDE 4 OVERHEAD
SPAN HEADACHE BAR
14' CLEAR
Image © 2025 Airbus

Gomez is confident in budget/historical pricing and will hold value

February 17, 2026

QUOTE #P26115

GOMEZ CONSTRUCTION

76' ORLANDO EX AIRPORT BEACON REPLACEMENT

ORANGE COUNTY, FLORIDA

MAMMOTH CONSTRUCTORS

"Specialty Drilling Contractors" - License: CGC1527454

(352)771-5634 Office (866)637-5160 Fax 390 Golden Gem Dr - Umatilla, FL 32784 Bids@MammothConstructors.com www.mammothconstructors.com

QTY	FOUNDATION DESCRIPTION	DIA(ft)		DEPTH(ft)	UNIT PRICE	TOTAL PRICE
1	DRILLED FOUNDATION	5.5	x	10.5	$ 19,325.00	$ 19,325.00
*HARD DRILLING						**$ 19,325.00**

A D D E R : $ 650.00 **Spoils Removal for all shafts by Mammoth Constructors, LLC.**

A D D E R : $ 4,000.00 **Remobilization Fee.**

SCOPE & CONDITIONS (PLEASE READ):

1. ***Inclusions:*** Proposal valid for 60 days; Drill foundation (material, labor, equipment); Provide and install rebar and concrete per specifications; Install anchor bolts and templates as provided by Contractor; Furnish ONE mobilization to job site.

2. ***Exclusions:*** Concrete Testing; Spoil removal. Set or plumb poles. Removal or installation of barrier walls or spread footers. Excludes caps more than 4' above grade. Bonds, QC or inspectors, final grading, grouting, seeding, sodding, paving, sidewalk repair/replacement of concrete or curb repair, asphalt, brick pavers, poles, pole foundation designs, de-watering and erosion control. This quote does not include permanent casings or full-length temporary casings unless stated otherwise. Mammoth WILL NOT hand dig deeper than 4' based on industry standards.

3. ***Contractor/Owner to provide:***
   a) Uninhibited access to the foundation locations for conventional drilling equipment and concrete trucks. Obstructions, such as utilities, boulders, concrete pavement, fencing, ditches, wet surface conditions, dense vegetation, tree stumps, etc., must be removed prior to commencement of work. Mammoth is NOT responsible for attaining access to the job site. If access is not adequate to sustain our equipment, Mammoth will be compensated. Please include in Purchase Order that uninhibited and acceptable access to the job site will be provided.
   b) A complete set of construction specifications, plans, permits, survey, excavation layout, elevations, anchor bolts and TWO STEEL TEMPLATES for bolt patterns prior to commencement of work.
   c) Investigation and disclosures of all Overhead and Underground utility issues prior to commencement of work.

4. This quote does not include rock drilling or loss of circulation unless indicated in Soil Borings. Should actual soil conditions vary from those presented, Mammoth Constructors, LLC reserves the right to make a claim for additional compensation and/or extension of time. *****If no Soil Borings are provided for this proposal, Mammoth Constructors will assume normal drilling conditions. Should Soil Borings reflect harder conditions at a later date, contract price will change.***

5. Mammoth Constructors, LLC will perform its work in a safe manner, follow the General Contractor's safety rules, comply with OSHA regulations, and execute our Safety and Drug Free Workplace Program.

6. Mammoth Constructors, LLC is not responsible for the removal or disposal of any hazardous, contaminated, or toxic materials encountered during excavation/construction.

7. This quotation, including all attachments, is to become a binding part of any contractual agreement and shall be attached as an Exhibit or Schedule to the subcontract and will prevail in the event of conflict with any other terms of the purchase order or subcontract documents.

~~8. *NO Retention to be withheld.*~~

OAR'S ESTIMATE
V-01113 AS 1-4 APM Headache Bars
Greater Orlando Aviation Authority (GOAA)

PROPOSED WORK: RCO #1 APM Concussion Bars AS 1-4
Description: The proposed modifications include the design, furnishment, and installation of concussion bars as requested by GOAA Operations. team.

TYPE	DESCRIPTION	QTY	UNIT	UNIT PRICE	BURDEN %	BURDEN RATE		LABOR	MATERIAL	EQUIPMENT	SUB-CONTRACT	TOTAL
Labor	Project Manager	420	HR	$ 70.00	42.00%	$ 99.40	L	$ 41,748.00				$ 41,748.00
	Superintendent	440	HR	$ 77.00	42.00%	$ 109.34	L	$ 48,109.60				$ 48,109.60
	Foreman	640	HR	$ 47.00	42.00%	$ 66.74	L	$ 42,713.60				$ 42,713.60
	Laborers	2560	HR	$ 28.00	42.00%	$ 39.76	L	$ 101,785.60				$ 101,785.60
					42.00%	$ -	L	$ -				$ -
Equipment	Pick Up Truck - PM	420	HR	$ 18.00			E			$ 7,560.00		$ 7,560.00
	Pick Up Truck - Superintendent	440	HR	$ 18.00			E			$ 7,920.00		$ 7,920.00
	Pick Up Truck - Foreman	640	HR	$ 18.00			E			$ 11,520.00		$ 11,520.00
	Van - Laborers	640	HR	$ 22.00			E			$ 14,080.00		$ 14,080.00
Materials	General Requirements (Dumpsters Toilets ETC)	1	LS	$ 80,000.00			M		$80,000.00			$ 80,000.00
							M		$0.00			$ -
							M		$0.00			$ -
Sub Contractors	Steel Sub	12	EA	$ 40,000.00			S				$ 480,000.00	$ 480,000.00
	Drill Shaft Subcontractor	240	LF	$ 1,500.00			S				$ 360,000.00	$ 360,000.00
	Engineer - Design	1	LS	$ 60,000.00			S				$ 60,000.00	$ 60,000.00
	Engineer - CA Services	1	LS	$ 25,000.00			S				$ 25,000.00	$ 25,000.00
	Permitting	1	LS	$ 20,000.00			S				$ 20,000.00	$ 20,000.00
	Vac Truck	48	EA	$ 4,000.00			S				$ 192,000.00	$ 192,000.00
	Mobile Crane	12	EA	$ 8,000.00			S				$ 96,000.00	$ 96,000.00
											$ -	$ -
	SUB-TOTALS w/out markups							$234,356.80	$80,000.00	$41,080.00	$ 1,233,000.00	$ 1,233,000.00

Work by Contractor's Forces

LABOR:	$234,356.80
MATERIAL	$80,000.00
MATERIAL TAX 6.5%	$5,200.00
EQUIPMENT	$41,080.00
SUBTOTAL	$360,636.80
OH & P 15% < $25,000	$0.00
OH & P 12% $25,001 TO $500,00	$43,276.42
OH & P 10% >$500,000	$0.00
TOTAL	**$403,913.22**

Unit Price Materials

Description	Quantity	Unit	Unit Price	Total
Unit Price Total				**$ -**

Work by Subcontractors

SUBCONTRACTED AMOUNT	$1,233,000.00
OH & P 10% on 1ST $25,000	$0.00
OH & P 8% $25,000 TO $500,00	$0.00
OH & P 6% >$500,000	$73,980.00
TOTAL SUB COST	**$1,233,000.00**

GRAND TOTAL ENGINEER'S ESTIMATE **$1,636,913.22**
No bond added included in contigency amount

Prepared by:

Isadore Carrie III
Senior Project Manager

BULLETIN #01

PROJECT NO. & NAME:	V-01113 Airside 1-4 APM Headache Bars (D/B)	
BULLETIN NO.:	#01	
ISSUANCE DATE:	04/01/2026	
CONTRACTOR:	Gomez Construction Company	
DESIGNER / DCC*:		
OAR:	Loyal Wingman LLC	
REQUESTED BY:	GOAA	
PREPARED BY:	OAR Isadore Carrie III, P.E	
ISSUED BY:	OAR Isadore Carrie III, P.E	

Upon receipt of a Bulletin, the Contractor shall submit a detailed breakdown of costs (additions or credits) and any associated time in the form of a written Request for Change Order (RCO) in accordance with contract requirements for review by the Owner and OAR. This Bulletin is not a change order, a construction change directive, or a directive to proceed with the work described in the proposed modifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:	Allowance Buyout for Defined Scope of Work for the Beautiful Airport Team (BAT) Initiative The Scope of work includes design investigation, design, permitting, and construction of 12 concussion bars at Airsides 1, 2, 3, and 4 above the tug and service roads to protect the Automated People Mover's Infrastructure. In Addition, it is the contractor's responsibility to ensure that the design complies with the following standards (current version at the time of plan submission) 1. GOAA Master Design Guidelines 2. GOAA Engineering Documents Control (EDC)	
REASON FOR PROPOSED MODIFICATIONS:	☒ Owner Request	Allowance Buyout for Defined Scope of Work
	☐ Design E&O	NA
	☐ Other	NA

☐ **ATTACHMENTS INCLUDED:**

Project Start-Up Cover Sheet

Date: 02/26/2026 **Revision:** 00 **Project No:** V-01113

Project Name: AIRSIDE 1-4 APM HEADACHE BARS (D/B)

CIP Element:

Project No.	Related Projects Comments/Description
1.	
2.	
3.	
4.	

Short Name:

Template:
Task:
Campus:
Cost Center:
Organization:
Parent:
Program:
Subprogram:

GOAA PM Name &Phone: Scott Shedek

OAR Contact Name & Phone:

Life Expectancy of Project: _____ (years)

Depreciation Period Building: _____(years)

Depreciation Period Equipment: _____(years)

CONTROL BUDGET:

TASK	$ REQUESTED	FOR USE BY CONSTRUCTION FINANCE $ FUNDED	$ UNFUNDED	COMMENTS
A/E Fee – Design				
A/E Fees – Construction				
Construction	$ 1,920,000.00		$ 1,920,000.00	
OAR Fees – Design				
OAR Fees – Construction	$ 192,000.00		$ 192,000.00	
Misc (Adv., Permits, OUC)				
Contingency				
Sub Totals:	$ 2,112,000.00	$ 0.00	$ 2,112,000.00	

Grand Total: $ 2,112,000.00

FUNDING:

SOURCE	DETAILS	FOR USE BY CONSTRUCTION FINANCE $ FUNDED	$ UNFUNDED	GENERAL COMMENTS
TSA				
TSA				
FAA/AIP				
Other				
Other				
GARB Bonds				
PFC Bonds				
PFC PayGo				
Authority Funds				
Other State Grants				
FDOT				
Other Federal Grants				
FAA/AIP				
TSA				

Grand Total $ 0.00

APPROVALS:

Chief Financial Officer **Chief Operating Officer** Chief Development Officer

PROJECT START-UP PACKAGE FOR V-01113-MCO

DATE: February 26, 2026

TO: Jeffrey Brown, Chief Development Officer

FROM: John Bayley, Project Manager, Construction

SUBJECT: **Project V-01113-MCO AIRSIDE 1-4 APM HEADACHE BARS (D/B)**
Orlando International Airport
PROGRAM: Facilities Improvement Projects

PROJECT SCOPE:

SPONSORING DEPT: Facilities

The project is to establish an allowance to design and construct various scopes of work to support the 2026 Beautiful Airport Team initiative, including installation of automated people mover (APM) headache bars at Airside 1-4, and other work as needed at exterior Airside locations.

Proposed Delivery Method: Direct Negotiated Design-Build
(Contract Type)

PROPOSED TEAM STRUCTURE:

GOAA Engineer PM:	John Bayley
GOAA Const PM:	John Bayley
A/E:	NONE
OAR Design Phase:	
OAR Design Contact:	
OAR Const. Phase:	
OAR Const. Contact:	

ANTICIPATED SCHEDULE:

A/E - Committee Approval:		
A/E - Board Approval:		
A/E NTP:		
Final Design/DCP:		
Solicitation Release:		
Pre-Submittal:		
Bid/Submittal Due:		
Committee Approval:	03/03/2026	
Board Approval:	03/18/2026	
Control Execution:	05/01/2026	
NTP (effective date):	05/01/2026	
Substantial Completion:	08/28/2026	**120 Calendar Days**
Final Completion:	09/30/2026	**33 Calendar Days**

LIFE EXPECTANCY OF PROJECT:

FUNDING SOURCE: O&M (Operations & Maintenance Fund)

FUNDING CODE: 301.631.210.5460002.000.100898

CIR #:

CIP Ref #:

CONTROL BUDGET:

Task	$ Amount	Comments
A/E Consultant Fees - Design Phase (Base)	$0.00	
A/E Consultant Fees - Construction Phase (Base)	$0.00	
Construction	$1,920,000.00	
OAR Fees - Design Phase	$0.00	
OAR Fees - Construction Phase	$192,000.00	
Miscellaneous	$0.00	
Contingency	$0.00	
TOTAL	**$2,112,000.00**	

PROJECT START-UP PACKAGE FOR V-01113-MCO

Federal /State Review:	TSA Review:	FM Global Project:
No	No	No

DRB (DISPUTE REVIEW BOARD):

DRB requirement IS NOT anticipated.

SYSTEMS / AREAS AFFECTED:

NONE

ANTICIPATED PERMITS:

PERMITS

Agency :	Type Of Permit:

PROJECT START-UP PACKAGE FOR V-01113-MCO

REVIEWED BY:

PROJECT MANAGERS:

Date: Feb 26, 2026

John Bayley, Project Manager, Construction

Date: Mar 2, 2026

Torie Brooks, Assistant Vice President, Construction

ENGINEERING & CONSTRUCTION SENIOR STAFF:

Scott Shedek

Date: Mar 3, 2026

Scott Shedek P.E., Vice President of Construction

If signing as a Temporary Designee, attach a copy of authorization memo (or e-mail)

Published By: Benjamin Brown
Reviewed By: Lauren Baker

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, P.E., Vice President of Construction

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman, LLC for Design Phase Owner's Authorized Representative Services for H-00414, Under Train Station Parking Rehabilitation (Design/Build) at Orlando International Airport

BACKGROUND

On February 21, 2024, the Aviation Authority Board approved an agreement with Loyal Wingman, LLC for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Project Services.

ISSUES

Consultant's proposal, dated April 13, 2026, is to provide Design Phase OAR Services for H-00414, Under Train Station Parking Rehabilitation (Design/Build).

The project is aimed at improving the condition of parking available beneath the Train Station. The project will convert the area from a gravel lot used informally for parking and staging, to a proper pavement lot marked for parking. The project will also include lighting, access control, security cameras, bollards, and signage. Electric vehicle charging stations will be evaluated and sited with utility sleeves provided for future integration.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload
☒ Expertise ☐ Equitable Distribution ☐ Other:_____

SMALL BUSINESS

The small business participation has been reviewed by the Office of Business Opportunity & Exchange. The findings and recommendation are attached.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from previously approved Operations & Maintenance Funds (O&M). Funding source verified by Melvin Martinez of Finance on 04 / 23 / 26 as correct and available.

CC
ITEM IV-A
04/28/2026

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman, LLC for the services contained herein and the amount as shown below:

Not to Exceed Fees	$111,432.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$1,500.00
TOTAL	**$112,932.00**
Financial Auditor – Compliance Review Date	SJ 04/22/26
Financial Auditor – Funding Eligibility Review Date	

MEMORANDUM

DATE: April 28, 2026

TO: Members of the Construction Committee

FROM: Amber Johnson, AVP, Business Opportunity and Exchange

ITEM DESCRIPTION

Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Under Train Station ParkingRehabilitation (Design/Build) at Orlando International Airport.

SMALL BUSINESS

The Office of Business Opportunity & Exchange has reviewed the subject contract's LDB/VBE specifications, and Loyal Wingman,LLC proposes 4.8% LDB participation in this addendum.

LDB& VBE UTILIZATION FORM FOR NON-FEDERALLY FUNDED PROJECTS
PLEASE COMPLETE THIS FORM

This form should be used to report Construction and Engineering /Professional Services activities.

Name of Airport: **Orlando International Airport** Telephone No: **(407) 825-7179**

Address: **One Jeff Fuqua Boulevard, Orlando, FL 32827**

Project Name & Number: **Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Services for H-00414, Under Train Station ParkingRehabilitation (Design/Build) at Orlando International Airport.**

1. Construction Information:

Addendum Amount:

2. LDB/VBE Goal by Group Representation:

Asian Pacific American		Actual Result	
Asian Subcontinent American		Actual Result	
Black American		Actual Result	
Caucasian Female American		Actual Result	
Hispanic American		Actual Result	
Native American		Actual Result	
Other		Actual Result	
Total LDB/VBE Participation	-	**Actual Result**	0.0%

3.a. Prime Contractor Information:

Name:
Address:
City, State, Zip:
Telephone:

3.b. Name and Address of Subcontractor

Name:
Address:
City, State, Zip:
Telephone:

3.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

4. Engineering/Professional Services Information:

Addendum Amount: **$112,932.00**

5. LDB/VBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	5,400.00	Actual Result	5%
Caucasian Female American		Actual Result	0%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total LDB/VBE Participation		**Actual Result**	0%

6.b. Engineering / Professional Service Firm Information:

Name: **Loyal Wingman,LLC**
Address: **2118 Hoffner Avenue**
City, State, Zip: **Belle Isle, FL 32809**
Telephone:

6.b. Name and Address of Subconsultant

Name: **Please see attached**
Address:
City, State, Zip:
Telephone:

6.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

LDB&VBE Subcontractor/Subconsultant Certification

Project Name & Number: **Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Services for H-00414, Under Train Station ParkingRehabilitation (Design/Build) at Orlando International Airport.**

Prime Firm: **Loyal Wingman,LLC**

Addendum Amount: **$112,932.00**

Company Name	**Chace Construction Services**		
Address	2595 Amaya Terrace		
City, State, Zip	Lake Mary, FL 32746		
Phone	(407) 484-6661		
Identity	Black American		
LDB or VBE ?	LDB		
Work Item	Senior Electrical Inspector		
Amount of Subcontract	$5,400.00		
Percentage	4.8%		
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
	$5,400.00	**5%**	
	$112,932.00		

Anna Lauren Brown
lauren@theloyalwingman.com
2118 Hoffner Avenue
Belle Isle, FL 32809

April 13, 2026

Mr. John Bayley, PMP, C.M.
Project Manager, BHS
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

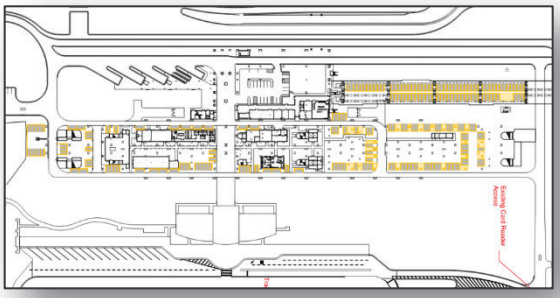
Subject: H-00414 Under Train Parking Rehabilitation (D/B)
Owner's Authorized Representative (OAR) Design Phase Services Proposal
Orlando International Airport

Dear Mr. Bayley,

Loyal Wingman, LLC, is pleased to submit this proposal to render OAR services under the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects Agreement for the above-referenced project.

Project Description

As MCO and ORL continue to experience significant growth, it is essential that the facilities reflect the high standards expected by passengers, employees, and the community. To support this vision, the Aviation Authority has created the Beautiful Airports Team (BAT), tasked with identifying and executing strategic beautification and maintenance projects across the airport campus. This initiative is intended to elevate safety, visual quality, guest experience, asset preservation, and the overall environment at MCO and ORL.



The **H-00414 Under Train Parking Rehabilitation (D/B)** is one such project aimed at improving the condition of parking available beneath the Train Station. Generally, the project will convert the area from a gravel lot used informally for parking and staging, to a proper pavement lot marked for parking. The project will also include lighting, access control,

security cameras, bollards, and signage. Electric vehicle charging stations will be evaluated and sited with utility sleeves provided for future integration.

Services

Our Scope of Services will be to represent the Aviation Authority by providing OAR services during the Design Phase. The services for this project will be performed in accordance with the provisions of GOAA's Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects contract and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

Fee Summary

Based on the attached worksheets, our anticipated staffing plan adds up to a total Not to Exceed Fee distributed as follows:

Not to Exceed Professional Fees	$111,432.00
Not to Exceed Reimbursable Expenses	$1,500.00
Total	**$112,932.00**

Our fee is based on regular time for our management personnel at our currently approved billing rates.

Small Business Participation

Loyal Wingman has strong relationships with several small business partners. This phase of the project doesn't offer as many opportunities as many of our previous project. For this project, Chace Construction Services, will be awarded an estimated $5,400.00 to handle electrical design coordination. We are proud to collaborate with Chace and are confident we can deliver a successful project together.

Payment

We will invoice in accordance with the terms of our contract with the Aviation Authority.

We appreciate the opportunity to present this proposal, and we look forward to working with GOAA on this most important project. Should you have any questions or if we may be of further assistance, do not hesitate to reach out to us.

For the mission,

A. Lauren Brown

A. Lauren Brown
President/ Operations Manager
Loyal Wingman, LLC.

H-00414 Under Train Station Parking Rehabilitation (D/B)

This project will reconfigure the area under the Train Station to provide more usable, paved parking spaces. The project is Design Build, so the design phase will be concurrent with limited early works that will include establishing the Traffic Control plan, setting up a lay down area, targeted excavations to confirm utilities, and demolition of existing rock and soil layers in the proposed parking areas.

STAFFING SCHEDULE - Total

SCHEDULE: OAR DESIGN SERVICES

			NTP	Estimated 90 days of Design Phase							Start Date	Completion Date			
PHASE	**Duration**	**DESCRIPTION**	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26					
Project Design and development	**90**	**Develop design and procure materials, permitting if needed**									4/28/26	7/27/26			
Construction	**120**	**Construction phase**									5/13/26	9/10/26			
Final Completion/ Closeout	**30**	**Close out**									9/10/26	10/10/26			
Professional Services			NTP	Estimated 90 days of Design Phase							Total Hours	Hourly Rates	Total $	Small Business participation %	Category
ROLE	**Company**	**INDIVIDUAL**	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26					
Senior Project Manager	Loyal Wingman	**Ben Brown**		8	32	32					72	$ 213.00	$ 15,336.00		
Senior Project Manager	Consor Engineers	**Paul Fabrizio**		16	80	64					160	$ 247.00	$ 39,520.00		
Senior Inspector	Consor Engineers	**David Hernandez**		4	160	80					244	$ 116.00	$ 28,304.00		
Inspector	Loyal Wingman	**Omar Rodriquez**		16	80	80					176	$ 63.00	$ 11,088.00		
Project Manager	On-Point Surveying	**Jake Rasberry**		8	16	16					40	$ 131.00	$ 5,240.00		
Senior Inspector	Consor Engineers	**TBD CE Sr. Inspector**									0	$ 116.00	$ -		
Project Coordinator	Loyal Wingman	**Lauren Baker**		16	16						32	$ 77.00	$ 2,464.00		
Principal	Loyal Wingman	**Lauren Brown**		8	16	16					40	$ 102.00	$ 4,080.00		
Senior Electrical Inspector	Chace Construction Services	**Jim Veretto**		8	16	16					40	$ 135.00	$ 5,400.00	4.78%	LDB
											0				
											0				
											0				
											0				
TOTAL STAFF HOURS			**0**	**84**	**416**	**304**	**0**	**0**	**0**	**0**	**804**		**$111,432.00**		
Reimbursable Expenses															
Asphalt Plant Inspection	**Elipsis Engineering**						0	0			0	**$ 99.00**	$ -		
On-site Materials Sampling	**Elipsis Engineering**										0	**$ 99.00**	$ -		
Lab Services	**Elipsis Engineering**							0			1	**$ 1,500.00**	$ 1,500.00		
Total support services													**$ 1,500.00**	Total LDB	
TOTAL OAR FEE NTE													**$112,932.00**	**4.78%**	

804 check hours

ANTICIPATED MEETINGS: Field Kick off meeting, pre-construction conference, weekly design phase meetings, focused TRT meeting with operations staff and stakeholders like Brightline, Bi-weekly job Coordination Meetings,

H-00414 Under Train Station Parking Rehabilitation (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

Design Phase OAR Estimated Reimbursable Expenses

Item #	Firm	Description	Qty	Unit Cost	Total Cost
1		0	0	$0.00	$0.00
2		Asphalt Plant Inspection	0	$99.00	$0.00
3		On-site Materials Sampling	0	$99.00	$0.00
4		Lab Services	1	$1,500.00	$1,500.00
5		Field Trailer/storage lease	1	$0.00	$0.00
ESTIMATED TOTAL REIMBURSABLE EXPENSES					**$1,500.00**

H-00414 Under Train Station Parking Rehabilitation (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

OAR Staffing Man-hours

Role	Name	Firm	Hourly Rate ($)	Total Hours	Total Fee ($)
Senior Project Manager	Ben Brown	Loyal Wingman	$ 213.00	72	$ 15,336.00
Inspector	Omar Rodriquez	Loyal Wingman	$ 63.00	176	$ 11,088.00
Project Coordinator	Lauren Baker	Loyal Wingman	$ 77.00	32	$ 2,464.00
Principal	Lauren Brown	Loyal Wingman	$ 102.00	40	$ 4,080.00

Subtotal Prime					**$ 32,968.00**
Subcontractors / Reimbursable					
Senior Project Manager	Paul Fabrizio	Consor Engineers	$ 247.00	160	$ 39,520.00
Senior Inspector	David Hernandez	Consor Engineers	$ 116.00	244	$ 28,304.00
Project Manager	Jake Rasberry	On-Point Surveying	$ 131.00	40	$ 5,240.00
Senior Inspector	TBD CE Sr. Inspe	Consor Engineers	$ 116.00	0	$ -
Senior Electrical Inspector	Jim Veretto	Chace Construction Services	$ 135.00	40	$ 5,400.00
TOTAL STAFF HOURS					$ 78,464.00
Reimbursable Expenses		(See detail)			$1,500.00
Subtotal Sub-consultants					**$ 79,964.00**
TOTAL FEE					**$ 112,932.00**

H-00414 Under Train Station Parking Rehabilitation (D/B)
Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

TABLE C-7a VBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
					0.00%
TOTAL PROPOSED PARTICIPATION				**$0.00**	**0.00%**

TABLE C-7b LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Chace Construction Services		LDB		$5,400.00	4.8%
TOTAL PROPOSED PARTICIPATION				**$5,400.00**	**4.8%**

March 31, 2026

Mrs. Lauren Brown
President
Loyal Wingman
2118 Hoffner Ave.
Orlando, FL 32809

Subject: H-00414 Under Train Station Parking Rehabilitation
Fee Proposal OAR Services

Dear Mrs. Brown,

Chace Construction Services, LLC (CCS) is pleased to submit this proposal to provide OAR Electrical Inspection services for the above-referenced project at The Orlando International Airport. This proposal has been prepared based on our understanding of the requested scope of work.

The scope of our services for the proposed project will consist of aiding GOAA staff in the areas of construction inspections in support of the project.

Our estimated man-hour requirements and applicable unit rates for the completion of the project are attached to this proposal. The total contract value is estimated at **$5,400.00**. This amount consists of **$5,400.00** for Not to Exceed Fees and **$0.00** for Not to Exceed Expenses.

We will invoice our services for the not-to-exceed amount on a monthly basis on actual hours worked at the specified hourly rate for each position. We appreciate the opportunity and look forward to working with you on this project. Should you have any questions or comments, please do not hesitate to contact me at 407-484-6661.

Sincerely,

Nils Johnson
Managing Partner

H-00414 Under Train Station Parking Rehabiliation													31-Mar-26
Electrical Inspections Services													
				2026									
Role	**Individual**	**Firm**	**Scope**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Total**
Sr. Electrical Inspector	J. Veretto	CCS		0	0	0	8	16	16	0	0	0	0	40
TOTAL STAFF HOURS				**0**	**0**	**0**	**8**	**16**	**16**	**0**	**0**	**0**	**0**	**40**

H-00414 Under Train Station Parking Rehabiliation					
Electrical Inspections Services					
Role	**Firm**	**Scope**	**Hourly Rate**	**Total Hours**	**Total Fee**
Sr. Electrical Inspector	CCS		$135.00	40	$5,400.00
SUBTOTAL				**40**	**$5,400.00**
REIMBURSABLE EXPENSES:					
SUBTOTAL					**$0.00**
TOTAL:					**$5,400.00**
LDB PARTICIPATION:				**% Participation**	
			$5,400.00	100.00%	$5,400.00
SUBTOTAL			**$5,400.00**	**100.00%**	**$5,400.00**

GOAA OAR Services – Loyal Wingman LLC

H-00414 – UNDER TRAIN STATION PARKING (C233610FL.06)

March 31, 2026

Mrs. Lauren Brown
Lauren@theloyalwingman.com

RE: Consor Price Proposal

Mrs. Brown,

Consor North America, Inc. (Consor) is pleased to present a cost proposal H-00414 – Under the Train Station Parking. After internal discussions, we understand that this project will reconfigure the area under the Train Station to provide more usable, paved parking spaces. The project is Design Build, so the design phase will be concurrent with limited early works that will include establishing the Traffic Control plan, setting up a lay down area, targeted excavations to confirm utilities, and demolition of existing rock and soil layers in the proposed parking areas. Consor roles will be split between the design and construction phases. During the Design Phase, Consor will provide constructability input and recommend potential cost-saving measures. During the Construction Phase, Consor will provide project administration and as-needed inspection services. Both phase will be completed within the hours below.

Role	Company	Individual	April-26	May-26	June-26	Total Hours	Rate	Fee
Sr. Project Manager	Consor North America, INC	Paul Fabrizio	16	80	64	160	$247.00	$39,520.00
Senior Inspector	Consor North America, INC	David Hernandez	4	160	80	244	$116.00	$28,304.00
							Total	$67,824.00

If you have any questions please reach out to me directly.

Sincerely,

Peter J. McGovern

Digitally signed by Peter J. McGovern
DN: C=US, E=PMcGovern@consoreng.com, O=Consor Engineers, CN=Peter J. McGovern
Date: 2026.04.07 17:10:04-04'00'

Peter McGovern, P.E. | *Senior Project Engineer*
401.569.6823 | PMcGovern@consoreng.com

April 1, 2026

Loyal Wingman
2118 Hoffner Avenue
Belle Isle, FL 32809

H-00414 Under Train Station Parking Rehabilitation (D/B)
OAR Scope – On Point Surveying, Inc.

On-Point Surveying, Inc. is proud to bring you our proposal for Professional Land Surveying Services for this project. Our firm is a full-service land surveying company with a combined Professional Surveying and Mapping experience of 32 years, and overall land surveying experience of 60 years.

We pride ourselves on being team players and building positive, lasting relationships with our partners. Our team is comprised of highly motivated and hard-working personnel who have made it our standard to exceed client expectations. We are equipped with the latest technology including robotic instruments and cloud-based systems, which allows us to provide easy and efficient support to our partners and crews on the go and complete submittal documents swiftly.

We truly appreciate the opportunity to provide you this proposal. We hope that you find our proposal both the most cost-effective option and the best fit for your team.

PROPOSED SCOPE OF SERVICES

Surveying Services **$5,240.00**
On Point Surveying, Inc. will provide surveying services on an “as needed” basis.

Based on approved current rates.

Should any changes arise, or any additional work is needed, we would be happy to provide those services for an additional negotiated fee.

Thank you for your consideration in adding us to your project team!

If you have any questions, we are always available by phone or email.

Thank you,
Janna M. Rasberry
Vice President
Phone: 407-989-8103
operations@on-pointsurveying.com

P.O. Box 770931
Winter Garden, FL 34777
Phone: 407-989-8102
marketing@on-pointsurveying.com
on-pointsurveying.com

530 S. Main Street, Winter Garden, FL 34787
407-982-7275, contracts@elipsisec.com

Date: 4/15/2026
To: Loyal Wingman
Attn: Lauren Brown
2118 Hoffner Ave., Belle Isle, FL 32809

Proposal Cost Estimate
H00414 Under Train Station Parking Rehabiliation (D/B)
EEC PRO 214

Description	Estimated Quantity	Unit	Unit Rate	Estimated Cost
Atterberg Limits	unit rate	Each	$150.00	
Sieve Analysis	unit rate	Each	$75.00	
Percent Fines (Wash 200)	unit rate	Each	$50.00	
Hydrometer Analysis	unit rate	Each	$95.00	
Organic Content Determination	unit rate	Test	$60.00	
Moisutre Content	unit rate	Test	$50.00	
FM 5-550 Soils pH Soil or Water	unit rate	Test	$60.00	
FM 5-551 Soils Resistivity Soil or Water	unit rate	Test	$65.00	
FM 5-552 Soils Chloride Soil or Water	unit rate	Test	$75.00	
FM 5-553 Soils Sulfate Soil or Water	unit rate	Test	$65.00	
FM 5-515 Limerock Bearing Ratio	unit rate	Each	$400.00	
T99 Standard Proctor or T180 Modified Proctor	unit rate	Each	$130.00	
ASTM C109 Concrete Compressive Strength & Breaking	unit rate	Each Break	$40.00	
ASTM C78 Flexural Beam Strength & Breaking	unit rate	Each Break	$75.00	
Soil Cement Pills	unit rate	Each	$40.00	
Asphalt Extraction & Gradation	unit rate	Each	$350.00	
Asphalt/Concrete Core	unit rate	Each	$175.00	
Mobilzation Asphalt/Concrete Coring Equipment	unit rate	Each	$400.00	
Sr. Engineering Technician (asphalt plant inspection & on-site materials sampling)	unit rate	Hour	$99.00	
Project Engineer (report review, sign and seal, responsible charge)	unit rate	Hour	$169.00	
Project Manager (scheduling, coordination, specialized services oversite)	unit rate	Hour	$150.00	
			Total Reimbursable Expenses:	$ 1,500.00

Truth In Negotiation Certification

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Greater Orlando Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Greater Orlando Aviation Authority, whichever is later.

Consultant: Loyal Wingman, LLC

By: A. Lauren Brown

Print Name: A. Lauren Brown, President

Date: April 13, 2026

Nongovernmental Entity Declaration Regarding the Use of Coercion for Labor and Services

Nongovernmental Entity's Name: Loyal Wingman, LLC

Nongovernmental Entity's FEIN: 87-3156975

Authorized Officer or Representative Name and Title: A. Lauren Brown, President

Nongovernmental Entity's Address: 2118 Hoffner Ave. Belle Isle FL 32809

Section 787.06(13), Florida Statutes, requires all nongovernmental entities executing, renewing, or extending a contract with a governmental entity, as defined in section 287.138(1), Florida Statutes, to provide an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury that the nongovernmental entity does not use coercion for labor or services as defined in that statute. The Greater Orlando Aviation Authority is a governmental entity as defined by and for purposes of section 787.06(13).

The nongovernmental entity identified above does not, pursuant to section 787.06(2)(a):

- Use or threaten to use physical force against any person;
- Restrain, isolate, or confine, or threaten to restrain, isolate, or confine any person without lawful authority and against her or his will;
- Use lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;
- Destroy, conceal, remove, confiscate, withhold, or possess any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
- Cause or threaten to cause financial harm to any person;
- Entice or lure any person by fraud or deceit; or
- Provide a controlled substance as outlined in Schedule I or Schedule II of section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person.

Under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

By:

Authorized Officer or Representative: A. Lauren Brown

Title: President, Loyal Wingman, LLC

Date: April 13, 2026

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

Legend:

Future proposal | BAT Projects

Updated: 04/13/26

Name	Position	Company	Sponsor	Project #	Add #	Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	32	32	32	32	32	32	32	32	32	32	32	32	384
Ben Brown	Sr. Project Manager	Loyal Wingman	Engineering	W-S00151 AMD1	15	MCO Terminal C Design and Project Oversight Services - Gate 241													0
Ben Brown	Sr. Project Manager	Loyal Wingman	Environmental	W-00591	34	Staff Extension - FY26 Environmental			16	16	16	16	16	16	16	16	16	16	160
Ben Brown	Sr. Project Manager	Loyal Wingman	-	-	32	Staff Extension - FY26 Construction and Engineering	16	16	16	16	16	16	16	16	16	16	16	16	192
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	48
Ben Brown	Sr. Project Manager	Loyal Wingman	Tenant	T-2012	28	UAL-MCO Maintanence Facility Complex													0
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	8	16	8										32
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	32	16	4										52
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00385	29	Runway 17L-35R Lighting System Improvements		16	24	24	24	16	16	8					128
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00392	30	Bridge 999954 Bearing	8	16	20	4	4								52
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	32	32				72
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								4	6	12			22
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	12	12	12	12		56
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								16	16	8	8		48
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	32	12	56
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							4	4	4	4	4		20
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1								16	8				24
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	EP-00TBD	21	QTA Pond Pipe Repair					16	32	24	8					80
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work		20	40	32	32	32	32	32	32	32	32	32	348
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	40	40											80
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Terminal A & B Pavement Rehabilitation													0
						TOTAL HOURS	136	172	160	124	140	144	164	204	182	152	160	116	1854
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	16	64	16										96
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	32	32	8										72
Ace Yousuf	Assistant PM	Loyal Wingman	Construction	H-00385	29	Runway 17L Lighting		16	16	80	160	80							352
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	H-00395	27	Terminal C Improvements		80	80	80									240
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7/25 and Related Work*					120	160	160	160	160	160	160	7.1875	1087.1875
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	160	160											320
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	Staff Ext		Staff Extension GOAA Engineering & Construction						40	80	80	80	80	80	80	520
						TOTAL HOURS	208	352	120	160	280	280	240	240	240	240	240	87.1875	2687.1875
						* Based on the updated schedule for BP-00050, the originally estimated hours are more than anticipated													
TBD	Sr. Inspector	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2													0
TBD	Sr. Inspector	Loyal Wingman	Construction	BP-00508	-	Commercial Lane Rehabilitation										160	160	160	480
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	160	160	160	480
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	160	160	160	160	160	160	160	160	160	160	80	80	1760
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								16	4	4	4		28
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	8	24
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										24	24	24	72
						TOTAL HOURS	160	160	160	160	160	160	160	176	164	172	92	88	1812
Dave Abueg	Assistant PM	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping		16											16
Dave Abueg	Assistant PM	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	16	16											32
Dave Abueg	Assistant PM	Loyal Wingman	Tenant	T-2012	28	UAL- MCO Maintanence Facility Complex													0
Dave Abueg	Assistant PM	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1			20	80	140	120	20						380
Dave Abueg	Assistant PM	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	160	40											200
						TOTAL HOURS	176	92	80	140	120	20	0	0	0	0	0	0	628
Kevin Duffy	Project Manager	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work			100	160	160	160	120	120	120	160	160	160	1420
						TOTAL HOURS	0	0	100	160	160	160	120	120	120	160	160	160	1420
Bennett Robinson	Inspector	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				160	160	160				160	160		800
						TOTAL HOURS	0	0	0	160	160	160	0	0	0	160	160	0	800
Omar Rodriguez	Inspector	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	80	80				176
Omar Rodriguez	Inspector	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								24	64	64	40		192
Omar Rodriguez	Inspector	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							40	96	96	120	40		392
						TOTAL HOURS	0	0	0	0	0	0	56	200	240	184	80	0	760
TBD	Inspector	Loyal Wingman																	0
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0
Chris Bates	Inspector Aide	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		24	24	136	136	136	40						496
Chris Bates	Inspector Aide	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	160	80											240
Chris Bates	Inspector Aide	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation													0

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

						TOTAL HOURS	160	104	24	136	136	136	40	0	0	0	0	0	736
TBD	Inspector Aide	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							16	16	80	160	160	80	512
TBD	Inspector Aide	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										80	160		240
TBD	Inspector Aide	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										80	40	160	280
						TOTAL HOURS	0	0	0	0	0	0	16	16	80	320	360	240	1032
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	4	20	16										40
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	EP-00TBD		QTA Pond Pipe Repair					8	32	32	16					88
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00410		Bridge 999953 Structural Rehabilitation									8	8	8		24
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	16					32
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	20	36
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								32	32	16	8		88
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										8	8	20	36
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							4	4	4	16	16		44
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	V-01031		ORL Airfield Beacon Replacement									2				2
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							16	16	16	16	16	16	96
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	288
						TOTAL HOURS	4	20	16	32	40	64	100	116	94	104	96	88	774
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	4	4	4	4	4	4	4	4	4	4	4	4	48
Lauren Brown	Project Coordinator	Loyal Wingman	Engineering	W-S00151 AMD1	15	MCO Terminal C Design and Project Oversight Services - Gate 241													0
Lauren Brown	Principal	Loyal Wingman	Environmental	W-00591	34	Staff Extension - FY26 Environmental	8	8	8	8	8	8	8	8	8	8	8	8	96
Lauren Brown	Principal	Loyal Wingman	-	-	32	Staff Extension - FY26 Constuction & Engineering	8	8	8	8	8	8	8	8	8	8	8	8	96
Lauren Brown	Senior Inspector	Loyal Wingman	Construction	Staff Ext		Staff Extension - FY26 AMD1 Constuction & Engineering						8	8	8	8	8	8	8	56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	24	24	24										72
Lauren Brown	Principal	Loyal Wingman	Construction	H-00385	29	MCO Runway 17L-35R Lighting Improvements		8	8	8	8	8	8	8					56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00393	26	MCO Taxiway Bravo and Charlie Pavement rehabilitation	12												12
Lauren Brown	Principal	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				40
Lauren Brown	Principal	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	72
Lauren Brown	Principal	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd									16	16	16	16	64
Lauren Brown	Principal	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								16	16	16	8		56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										16	16	16	48
Lauren Brown	Principal	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							8	8	8	8	8		40
Lauren Brown	Principal	Loyal Wingman	Construction	H-00TBD	-	MCO Pond Rehabilitation	16	32	32	32	32	32	32	32					240
Lauren Brown	Principal	Loyal Wingman	Construction	H-00TBD	-	ALCMS Fiber		8	8	8	8	8	8						48
Lauren Brown	Principal	Loyal Wingman	Construction	E-00270	-	AS 2 and AS 4 Fiber Connection							16	16	16	16	16	8	88
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		16	16	32	32	32	32	16					176
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	288
Lauren Brown	Principal	Loyal Wingman	Construction	EP-00TBD		QTA Pond Pipe Repair					8	16	16	16					56
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	BP-00498	4	Taxiways G &H Rehabilitation Phase 2	32	32											64
Lauren Brown	Principal	Loyal Wingman	Construction	H-00410		Bridge 999953 Structural Rehabilitation							2	2	2	2	2		10
Lauren Brown	Principal	Loyal Wingman	Construction	V-01031		ORL Airfield Beacon Replacement									2	2	2	2	8
Lauren Brown	Principal	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	48
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	192
						TOTAL HOURS	104	140	108	132	140	156	230	238	192	192	184	158	1974
						Total Loyal Wingman Hours	948	1040	768	1204	1336	1280	1126	1310	1312	1844	1692	1097.1875	14957.1875

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

Subconsultants

Name	Position	Company	Sponsor	Project #		Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Carrie Company																			
Isadore Carrie	Sr. Project Manager	Carrie Company	Environmental	**W-00591**	**34**	Staff Extension - FY26 Environmental		44	48	48	48	48	48	48	48	44	44	44	**512**
Isadore Carrie	Sr. Project Manager	Carrie Company	-	-	**32**	Staff Extension - FY26 Constuction & Engineering	84	84	84	84	84	84	84	84	84	84	80	80	**1000**
Isadore Carrie	Sr. Project Manager	Carrie Company	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							12	32	32	32	32	16	**156**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation	8	16	20	4	4								**52**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00393**	**26**	MCO Taxiways Bravo and Charlie Pavement Repair	4												**4**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00395**	**27**	Terminal C Improvements	8	28	28	28	8	8	4						**112**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	12	12	**36**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**EP-00TBD**		QTA Pond Pipe Repair					8	16	8	8					**40**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							4	4	4	2	2		**16**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**V-01031**		ORL Airfield Beacon Replacement									4	4	4	4	**16**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1													**0**
						TOTAL HOURS	**104**	**172**	**180**	**164**	**152**	**156**	**160**	**184**	**188**	**194**	**190**	**172**	**2016**
Zachary Schena	Assistant PM	Carrie Company	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		48	16										**64**
Zachary Schena	Assistant PM	Carrie Company	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	8	8	40	40		**104**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		40	80	80	80	80	40	16					**416**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work		20	80	80	80	40	40	40	40	120	160	160	**860**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**160**	**148**	**176**	**160**	**160**	**120**	**88**	**64**	**48**	**160**	**200**	**160**	**1644**
Magaly Carrie	Project Coordinator	Carrie Company	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Kyle Jackson	Project Engineer	Carrie Company	Engineering			Staff Extension - FY26 AMD1 Constuction & Engineering							80	100	80	100	80	80	**520**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**H-00419**	-	Pavement Repair TWY B1								24	16	24	8		**72**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**V-01031**		Orl Airfield Beacon Replacement									8	8	8	8	**32**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							16	40	80	80	80	80	**376**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							8	16	16	4	4		**48**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**104**	**180**	**200**	**216**	**180**	**168**	**1048**
Akber Yassin	Project Coordinator	Carrie Company	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation	4	8	80	8	8								**108**
Akber Yassin	Project Coordinator	Carrie Company	Construction	**H-00395**	**27**	Terminal C Improvements	8	20	20	20	8	8	8						**92**
						TOTAL HOURS	**12**	**28**	**100**	**28**	**16**	**8**	**8**	**0**	**0**	**0**	**0**	**0**	**200**
GCI																			
Rich Dobbyn	Sr. Inspector	GCI	Construction	**H-00393**	**26**	TWY B Pavement Repair													**0**
Rich Dobbyn	Sr. Inspector	GCI	Construction	**EP-00TBD**		QTA Pond Pipe Repair						80	80						**160**
Rich Dobbyn	Sr. Inspector	GCI	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**160**	**40**	**0**	**0**	**0**	**80**	**80**	**0**	**0**	**0**	**0**	**0**	**360**
Landon Wilson	Safety Director	GCI	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	40												**40**
Landon Wilson	Safety Director	GCI	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1			16	40	40	40	40						**176**
Landon Wilson	Project Manager (Safety)	GCI	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work			16	32	64	64	65	64	64	64			**433**
						TOTAL HOURS	**40**	**0**	**32**	**72**	**104**	**104**	**105**	**64**	**64**	**64**	**0**	**0**	**649**
James McCuddy	Sr. Inspector	GCI	Construction	**H-00395**	**27**	Terminal C Improvements		5	5										**10**
						TOTAL HOURS	**0**	**5**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
Chace Construction Services																			
Jim Veretto	Senior Inspector	Chace	Construction	**H-00385**	**29**	Runway 17L Lighting		40	60	80	80	80							**340**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				**40**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd													**0**
Jim Veretto	Senior Inspector	Chace	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1						80	40						**120**
Jim Veretto	Sr. Electrical Inspector	Chace	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work						120	160	160	160	160	160		**920**
Jim Veretto	Sr. Electrical Inspector	Chace	Construction	**V-01031**		Orl Airfield Beacon Replacement									2				**2**
Jim Veretto	Senior Inspector	Chace	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	167	70											**237**
						TOTAL HOURS	**167**	**110**	**60**	**80**	**80**	**280**	**208**	**184**	**194**	**176**	**176**	**16**	**1731**
Elipsis Engieering & Construction																			
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		100											**100**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	160	40											**200**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1				160	160	80	20						**420**
Michael Starr	Sr. Inspector	Elipsis	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work					160	160	160	160	160	160	160	80	**1200**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2													**0**

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

						TOTAL HOURS	160	140	0	160	320	240	180	160	160	160	160	80	1920
Sandy Perez	Compliance	Elipsis	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		20	20	40	40	40	40						200
Sandy Perez	Compliance	Elipsis	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				20	20	40	80	80	80	80	80		480
Sandy Perez	Compliance	Elipsis	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	80	40											120
						TOTAL HOURS	80	60	20	60	60	80	120	80	80	80	80	0	800
Ken Bechtel	Sr. Engineering Technician	Elipsis	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF											40		40
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	40	0	40
CMI																			
Bill White	Safety Director	CMI	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	40												40
						TOTAL HOURS	40	0	0	0	0	0	0	0	0	0	0	0	40
Orlando Project Controls																			
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	H-00395	27	Terminal C Improvements		4	4	4									12
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	H-00TBD	-	MCO Pond Restoration		16	16	16	16	16	16						96
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	H-00TBD	-	ALCMS Fiber	16	16	16	16									64
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1			24	24	24	24	24						120
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				40	24	24	24	24	24	24	24		208
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	25												25
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	192
						TOTAL HOURS	41	36	60	100	64	64	96	56	56	56	56	32	717
Consor																			
David Hernandez	Senior Inspector	Consor	Construction	H-00392	30	MCO Bridge 999954 Structural Rehabilitation		8	120										128
David Hernandez	Senior Inspector	Consor	Construction	H-00TBD	-	MCO Pond Restoration											160	80	240
David Hernandez	Senior Inspector	Consor	Construction	EP-00TBD		QTA Pond Pipe Repair						160	140						300
David Hernandez	Senior Inspector	Consor	Construction	H-00410		Bridge 999953 Structural Rehabilitation									120				120
David Hernandez	Senior Inspector	Consor	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							4	160	80				244
David Hernandez	Senior Inspector	Consor	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										40	40	40	120
						TOTAL HOURS	0	8	120	0	0	160	144	160	200	40	200	120	1152
Paul Fabrizio	Senior Project Manager	Consor	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	80	64				160
Paul Fabrizio	Sr. Project Manager	Consor	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance						8	16	20	20	20	20		104
						TOTAL HOURS	0	0	0	0	0	8	32	100	84	20	20	0	264
TBD	Senior Inspector	Consor	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)													0
TBD	Senior Inspector	Consor	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF											160	40	200
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	160	40	200
On Point Surveying																			
Jake Rasberry	Project Manager	On Point Surveying	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				40
Jake Rasberry	Project Manager	On Point Surveying	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF												30	30
						TOTAL HOURS	0	0	0	0	0	0	8	16	16	0	0	30	70
Adaptive																			
TBD	Sr. Inspector	Adaptive	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd											80		80
TBD	Sr. Inspector	Adaptive	Construction	H-00419	-	Pavement Repair TWY B1									40	80			120
TBD	Sr. Inspector	Adaptive	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2											80	80	160
TBD	Sr. Inspector	Adaptive	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							32	48	120	8			208
						TOTAL HOURS	0	0	0	0	0	0	32	48	160	88	160	80	568
TBD	Sr. Inspector	Adaptive	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd											160		160
TBD	Sr. Inspector	Adaptive	Construction	H-00419	-	Pavement Repair TWY B1									40	120	40		200
						TOTAL HOURS	0	0	0	0	0	0	0	0	40	120	200	0	360
TBD	Inspector	Adaptive	Construction	H-00419	-	Pavement Repair TWY B1									20				20
						TOTAL HOURS	0	0	0	0	0	0	0	0	20	0	0	0	20
						Total Subcontracted Hours	964	747	753	824	956	1300	1365	1296	1510	1374	1822	898	13809

Published By: Benjamin Brown
Reviewed By: Lauren Brown

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, P.E., Vice President of Construction

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman, LLC for Design-Build Phase Owner's Authorized Representative Services for H-00417, Mill and Resurface Secure Road at Centerfield ARFF (D/B) at Orlando International Airport

BACKGROUND

On February 21, 2024, the Aviation Authority Board approved an agreement with Loyal Wingman, LLC for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Project Services.

ISSUES

Consultant's proposal, April 13, 2026, is to provide Design-Build Phase OAR Services for H-00417, Mill and Resurface Secure Road at Centerfield ARFF.

Secure Road connecting Terminals A and B to Terminal C on the secure side of the Air Operations Area fence has deteriorated to the point of needing active repair from the Facilities personnel to maintain traffic readiness and safety. This milling and resurfacing will increase operational efficiency and customer satisfaction.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload

☒ Expertise ☐ Equitable Distribution ☐ Other:_____

SMALL BUSINESS

The small business participation has been reviewed by the Office of Business Opportunity & Exchange. The findings and recommendation are attached.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from previously approved Operations & Maintenance Funds (O&M). Funding source verified by Melvin Martinez of Finance on 04 / 23 / 26 as correct and available.

CC
ITEM IV-B
04/28/2026

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman, LLC for the services contained herein and the amount as shown below:

Not to Exceed Fees	$76,632.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$5,856.00
TOTAL	**$82,488.00**
Financial Auditor – Compliance Review Date	SJ 04/22/26
Financial Auditor – Funding Eligibility Review Date	

MEMORANDUM

DATE: April 28, 2026

TO: Members of the Construction Committee

FROM: Amber Johnson, AVP, Business Opportunity and Exchange

ITEM DESCRIPTION

Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement
Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative
Mill and Resurface Secure Road atCenterfield ARFF (D/B), at Orlando International Airport.

SMALL BUSINESS

The Office of Business Opportunity & Exchange has reviewed the subject contract's LDB/VBE specifications, and
Loyal Wingman,LLC proposes 28% LDB participation in this addendum.

LDB&VBE Subcontractor/Subconsultant Certification

Project Name & Number: **Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Services for H-00417, Mill and Resurface Secure Road atCenterfield ARFF (D/B), at Orlando International Airport.**

Prime Firm: **Loyal Wingman,LLC**

Addendum Amount: **$82,488.00**

Company Name	**Chace Construction Services**		
Address	2595 Amaya Terrace		
City, State, Zip	Lake Mary, FL 32746		
Phone	(407) 484-6661		
Identity	Black American		
LDB or VBE ?	LDB		
Work Item	Sr Electrical Inspector		
Amount of Subcontract	$9,720.00		
Percentage	11.8%		
Company Name	**Carrie Company**		
Address	89 Alafaya Woods Bvld		
City, State, Zip	Oviedo, FL 32765		
Phone	(504) 444-1550		
Identity	Black American		
Work Item	Snr Project Manager		
Amount of Subcontract	$13,392.00		
Percentage	16.2%		
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
		$23,112.00	**28%**
		$82,488.00	

LDB& VBE UTILIZATION FORM FOR NON-FEDERALLY FUNDED PROJECTS
PLEASE COMPLETE THIS FORM

This form should be used to report Construction and Engineering /Professional Services activities.

Name of Airport: **Orlando International Airport**

Telephone No: **(407) 825-7179**

Address: **One Jeff Fuqua Boulevard, Orlando, FL 32827**

Project Name & Number: **Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Services for H-00417, Mill and Resurface Secure Road atCenterfield ARFF (D/B), at Orlando International Airport.**

1. Construction Information:

Addendum Amount:

2. LDB/VBE Goal by Group Representation:

Asian Pacific American		Actual Result	
Asian Subcontinent American		Actual Result	
Black American		Actual Result	
Caucasian Female American		Actual Result	
Hispanic American		Actual Result	
Native American		Actual Result	
Other		Actual Result	
Total LDB/VBE Participation	-	**Actual Result**	0.0%

3.a. Prime Contractor Information:

Name:
Address:
City, State, Zip:
Telephone:

3.b. Name and Address of Subcontractor

Name:
Address:
City, State, Zip:
Telephone:

3.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

4. Engineering/Professional Services Information:

Addendum Amount: **$82,488.00**

5. LDB/VBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	23,112.00	Actual Result	28%
Caucasian Female American		Actual Result	0%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total LDB/VBE Participation		**Actual Result**	0%

6.b. Engineering / Professional Service Firm Information:

Name: **Loyal Wingman,LLC**
Address: **2118 Hoffner Avenue**
City, State, Zip: **Belle Isle, FL 32809**
Telephone:

6.b. Name and Address of Subconsultant

Name: **Please see attached**
Address:
City, State, Zip:
Telephone:

6.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

Anna Lauren Brown
lauren@theloyalwingman.com
2118 Hoffner Avenue
Belle Isle, FL 32809

April 13, 2026

Mr. John Bayley, PMP, C.M.
Project Manager, BHS
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

Subject: H-00417 Mill & Resurface Secure Road at Centerfield ARFF
Owner's Authorized Representative (OAR) Design-Build Services Proposal
Orlando International Airport

Dear Mr. Bayley,

Loyal Wingman, LLC, is pleased to submit this proposal to render OAR Design-Build services under the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects Agreement for the above-referenced project.

Project Description

As MCO and ORL continue to experience significant growth, it is essential that the facilities reflect the high standards expected by passengers, employees, and the community. To support this vision, the Aviation Authority has created the Beautiful Airports Team (BAT), tasked with identifying and executing strategic beautification and maintenance projects across the airport campus. This initiative is intended to elevate safety, visual quality, guest experience, asset preservation, and the overall environment at MCO and ORL.

The **H-00417 Mill and Resurface Secure Road at Centerfield ARFF (D/B)** is one such project aimed at improving the condition the Secure Road connecting Terminals A and B to Terminal C on the secure side of the Air Operations Area fence.

Although this road is the only connection between the terminals, its condition has deteriorated to the point where active repair from the Facilities personnel is required to maintain traffic readiness.
These site civil improvements are designed to increase customer satisfaction and operational efficiency, addressing the needs of the maintenance teams. The enhancements align with the Executive Airport's commitment to delivering superior travel experience and operational excellence.

Services
Our Scope of Services will be to represent the Aviation Authority by providing OAR Design-Build services. The services for this project will be performed in accordance with the provisions of GOAA's Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects contract and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

Fee Summary
Based on the attached worksheets, our anticipated staffing plan adds up to a total Not to Exceed Fee distributed as follows:

Not to Exceed Professional Fees	$62,574.00
Not to Exceed Professional Fees (Closeout)	$14,058.00
Not to Exceed Reimbursable Expenses	$5,856.00
Total	**$82,488.00**

Our fee is based on regular time for our management personnel at our currently approved billing rates.

Small Business Participation
Loyal Wingman has strong relationships with several small business partners. For this project, Carrie Company, LDB, will be awarded an estimated $13,392.00 (16.24% of our OAR fee) to help with the utilities and handle the checkpoint building. We are proud to collaborate with Carrie Company and are confident we can deliver a successful project together. Chace Construction will also be onsite to inspect the electrical portion of the project. This value will be $9,720.00 (11.78%). Combined this brings the LDB total for the assignment to 28.02% for this project.

Payment

We will invoice in accordance with the terms of our contract with the Aviation Authority. We appreciate the opportunity to present this proposal, and we look forward to working with GOAA on this most important project. Should you have any questions or if we may be of further assistance, do not hesitate to reach out to us.

For the mission,

A. Lauren Brown

A. Lauren Brown
President/ Operations Manager
Loyal Wingman, LLC.

H-00417 Secure Road Rehabilitation

This project will reconstruct the Secure Road near the Centerfield ARFF station from just east of TWY E1 to just south of TWY F including demolition of existing checkpoint and installation of roadway lighting duct.

STAFFING SCHEDULE - Total

SCHEDULE: OAR DESIGN/BUILD SERVICES

			NTP	Estimated 45 days of construction							Start Date	Completion Date			
PHASE	**Duration**	**DESCRIPTION**	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26					
Project Design and development	**90**	Develop design and procure materials, permitting if needed									4/28/26	7/27/26			
Construction	**45**	Construction phase									7/27/26	9/10/26			
Final Completion/ Closeout	**45**	Close out									9/10/26	10/25/26			
Professional Services			NTP	Estimated 45 days of construction							Total Hours	Hourly Rates	Total $	Small Business participation %	Category
ROLE	**Company**	**INDIVIDUAL**	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26					
Senior Project Manager	Carrie Company	**Isadore Carrie**		8	16	16	16	16			72	$ 186.00	$ 13,392.00	16.24%	LDB
Senior Project Manager	Loyal Wingman	**Ben Brown**		4	6	12					22	$ 213.00	$ 4,686.00		
Senior Inspector	Loyal Wingman	**Sam Chizek**		16	4	4	4				28	$ 96.00	$ 2,688.00		
Inspector	Loyal Wingman	**Omar Rodriquez**		24	64	64	40				192	$ 63.00	$ 12,096.00		
Senior Inspector	Consor Engineers	**TBD CE Sr. Inspector**					16				16	$ 116.00	$ 1,856.00		
Senior Inspector	Elipsis Engineering	**Ken Bechtel**					40				40	$ 103.00	$ 4,120.00		
Inspector	Consor Engineers	**TBD CE Inspector**					160	40			200	$ 84.00	$ 16,800.00		
Principal	Loyal Wingman	**Lauren Brown**		8	16	16	16	16			72	$ 102.00	$ 7,344.00		
Senior Electrical Inspector	Chace Construction Services	**Jim Veretto**		8	16	16	16	16			72	$ 135.00	$ 9,720.00	11.78%	LDB
Project Manager	On-Point Surveying	**Jake Rasberry**						30			30	$ 131.00	$ 3,930.00		
											0				
											0				
											0				
TOTAL STAFF HOURS			**0**	**68**	**122**	**128**	**308**	**118**	**0**	**0**	**744**		**$76,632.00**		
Reimbursable Expenses															
Asphalt Plant Inspection	**Elipsis Engineering**											**$ 90.00**	$ -		
On-site Materials Sampling	**Elipsis Engineering**					0	20	24			44	**$ 99.00**	$ 4,356.00		
Lab Services	**Elipsis Engineering**							1			1	**$ 1,500.00**	$ 1,500.00		
Total support services													**$ 5,856.00**	Total LDB	
TOTAL OAR FEE NTE													**$82,488.00**	**28.02%**	

744 check hours

ANTICIPATED MEETINGS: Field Kick off meeting, pre-construction conference, Bi-weekly job Coordination Meetings, Substantial Completion walkthrough, Closeout Coordination meeting.

H-00417 Secure Road Rehabilitation

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

OAR Services Estimated Reimbursable Expenses

Item #	Firm	Description	Qty	Unit Cost	Total Cost
1		0	0	$0.00	$0.00
2		Asphalt Plant Inspection	0	$90.00	$0.00
3		On-site Materials Sampling	44	$99.00	$4,356.00
4		Lab Services	1	$1,500.00	$1,500.00
5		Field Trailer/storage lease	1	$0.00	$0.00
ESTIMATED TOTAL REIMBURSABLE EXPENSES					**$5,856.00**

H-00417 Secure Road Rehabilitation

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

OAR Staffing Man-hours

Role	Name	Firm	Hourly Rate ($)	Total Hours	Total Fee ($)
Senior Project Manager	Ben Brown	Loyal Wingman	$ 213.00	22	$ 4,686.00
Senior Inspector	Sam Chizek	Loyal Wingman	$ 96.00	28	$ 2,688.00
Inspector	Omar Rodriquez	Loyal Wingman	$ 63.00	192	$ 12,096.00
Principal	Lauren Brown	Loyal Wingman	$ 102.00	72	$ 7,344.00

Subtotal Prime					**$ 26,814.00**
Subcontractors / Reimbursable					
Senior Project Manager	Isadore Carrie	Carrie Company	$ 186.00	72	$ 13,392.00
Senior Inspector	TBD CE Sr. Inspe	Consor Engineers	$ 116.00	16	$ 1,856.00
Senior Inspector	Ken Bechtel	Elipsis Engineering	$ 103.00	40	$ 4,120.00
Inspector	TBD CE Inspector	Consor Engineers	$ 84.00	200	$ 16,800.00
Senior Electrical Inspector	Jim Veretto	Chace Construction Services	$ 135.00	72	$ 9,720.00
TOTAL STAFF HOURS					$ 45,888.00
Reimbursable Expenses		(See detail)			$5,856.00
Subtotal Sub-consultants					**$ 51,744.00**
TOTAL FEE					**$ 78,558.00**

H-00417 Secure Road Rehabilitation
Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

TABLE C-7a VBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
					0.00%
TOTAL PROPOSED PARTICIPATION				**$0.00**	**0.00%**

TABLE C-7b LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Carrie Company		LDB		$13,392.00	16.2%
Chace Construction Services		LDB		$9,720.00	11.8%
TOTAL PROPOSED PARTICIPATION				**$23,112.00**	**28.0%**

Date: 04/17/2026

Client: Loyal Wingman

Project: H-00417 Mill and Resurface Road at Centerfield ARFF (D/B)

Authored by: Isadore Carrie III

Proposal #: 10-2606

CARRIE COMPANY

Mrs. Lauren Brown - President
Loyal Wingman, LLC
2118 Hoffner Ave.
Orlando, FL 32809

Re: **Carrie Company Price Proposal**
Owner Authorized Representative (OAR) Construction Management Services

Dear Mrs. Brown,

Carrie Company is excited to submit this proposal to support the OAR Construction Management services for the H-00417 Mill and Resurface Road at Centerfield ARFF (D/B) Project.

PROFESSIONAL SERVICE FEE

With Anticipation that the services will begin in May - Carrie Company offers the following staff and rate on a not-to-exceed basis:

H-00417 Mill and Resurface Secure Road at Centerfield ARFF (D/B) - PERSONNEL & RATES SUMMARY				
Position	**Submitted Personnel**	**Proposed Rate**	**Total Hours**	**Value**
Senior Project Manager	Isadore Carrie III, P.E.	$186.00	72	$13,392.00
Total Value				**$13,392.00**

Sincerely,

Isadore Carrie III, P.E.
Senior Project Manager

Date: 04/17/2026

Client: Loyal Wingman

Project: H-00417 Mill and Resurface Road at Centerfield ARFF (D/B)

Authored by: Isadore Carrie III

Proposal #: 10-2606

CARRIE COMPANY

H-00417 Mill and Resurface Secure Road at Centerfield ARFF (D/B) - SCHEDULE

	Month	1	2	3	4	5	
Position	**Submitted Personnel**	**May-26**	**Jun-26**	**Jul-26**	**Aug-26**	**Sep-26**	**Total**
Senior Project Manager	Isadore Carrie III, P.E.	$1,488.00	$2,976.00	$2,976.00	$2,976.00	$2,976.00	$13,392.00
Proposed Total		**$1,488.00**	**$2,976.00**	**$2,976.00**	**$2,976.00**	**$2,976.00**	**$13,392.00**

H-00417 Mill and Resurface Secure Road at Centerfield ARFF (D/B) - PROPOSED HOURS

Position	**Submitted Personnel**	**May-26**	**Jun-26**	**Jul-26**	**Aug-26**	**Sep-26**	**Total**
Senior Project Manager	Isadore Carrie III, P.E.	8	16	16	16	16	72
Proposed Total		**8**	**16**	**16**	**16**	**16**	**72**

April 14, 2026

Mrs. Lauren Brown
President
Loyal Wingman
2118 Hoffner Ave.
Orlando, FL 32809

Subject: H-00417 Secure Road Rehabilitation
Fee Proposal OAR Services

Dear Mrs. Brown,

Chace Construction Services, LLC (CCS) is pleased to submit this proposal to provide OAR Electrical Inspection services for the above-referenced project at The Orlando International Airport. This proposal has been prepared based on our understanding of the requested scope of work.

The scope of our services for the proposed project will consist of aiding GOAA staff in the areas of construction inspections in support of the project.

Our estimated man-hour requirements and applicable unit rates for the completion of the project are attached to this proposal. The total contract value is estimated at **$9,720.00**. This amount consists of **$9,720.00** for Not to Exceed Fees and **$0.00** for Not to Exceed Expenses.

We will invoice our services for the not-to-exceed amount on a monthly basis on actual hours worked at the specified hourly rate for each position. We appreciate the opportunity and look forward to working with you on this project. Should you have any questions or comments, please do not hesitate to contact me at 407-484-6661.

Sincerely,

Nils Johnson
Managing Partner

H-00417 Secure Road Rehabilitation														14-Apr-26
Electrical Inspections Services														
				2026										
Role	**Individual**	**Firm**	**Scope**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Total**
Sr. Electrical Inspector	J. Veretto	CCS		0	0	0	0	8	16	16	16	16	0	72
TOTAL STAFF HOURS				**0**	**0**	**0**	**0**	**8**	**16**	**16**	**16**	**16**	**0**	**72**

H-00417 Secure Road Rehabilitation					
Electrical Inspections Services					
Role	**Firm**	**Scope**	**Hourly Rate**	**Total Hours**	**Total Fee**
Sr. Electrical Inspector	CCS		$135.00	72	$9,720.00
SUBTOTAL				**72**	**$9,720.00**
REIMBURSABLE EXPENSES:					
SUBTOTAL					**$0.00**
TOTAL:					**$9,720.00**
LDB PARTICIPATION:				**% Participation**	
			$9,720.00	100.00%	$9,720.00
SUBTOTAL			**$9,720.00**	**100.00%**	**$9,720.00**

530 S. Main Street, Winter Garden, FL 34787
407-982-7275, contracts@elipsisec.com

Date: 4/15/2026
To: Loyal Wingman
Attn: Lauren Brown
2118 Hoffner Ave., Belle Isle, FL 32809

Proposal Cost Estimate
H-00417 Secure Road Rehab at Centerfield ARFF
EEC PRO 213

Description	Estimated Quantity	Unit	Unit Rate	Estimated Cost
Senior Inspector	40	Hour	$103.00	$ 4,120.00
			Total Professional Services:	$ 4,120.00
Atterberg Limits	unit rate	Each	$150.00	
Sieve Analysis	unit rate	Each	$75.00	
Percent Fines (Wash 200)	unit rate	Each	$50.00	
Hydrometer Analysis	unit rate	Each	$95.00	
Organic Content Determination	unit rate	Test	$60.00	
Moisutre Content	unit rate	Test	$50.00	
FM 5-550 Soils pH Soil or Water	unit rate	Test	$60.00	
FM 5-551 Soils Resistivity Soil or Water	unit rate	Test	$65.00	
FM 5-552 Soils Chloride Soil or Water	unit rate	Test	$75.00	
FM 5-553 Soils Sulfate Soil or Water	unit rate	Test	$65.00	
FM 5-515 Limerock Bearing Ratio	unit rate	Each	$400.00	
T99 Standard Proctor or T180 Modified Proctor	unit rate	Each	$130.00	
ASTM C109 Concrete Compressive Strength & Breaking	unit rate	Each Break	$40.00	
ASTM C78 Flexural Beam Strength & Breaking	unit rate	Each Break	$75.00	
Soil Cement Pills	unit rate	Each	$40.00	
Asphalt Extraction & Gradation	unit rate	Each	$350.00	
Asphalt/Concrete Core	unit rate	Each	$175.00	
Mobilzation Asphalt/Concrete Coring Equipment	unit rate	Each	$400.00	
Sr. Engineering Technician (asphalt plant inspection & on-site materials sampling)	unit rate	Hour	$99.00	
Project Engineer (report review, sign and seal, responsible charge)	unit rate	Hour	$169.00	
Project Manager (scheduling, coordination, specialized services oversite)	unit rate	Hour	$150.00	
			Total Reimbursable Expenses:	$ 5,856.00
			Total :	$ 9,976.00

GOAA OAR Services – Loyal Wingman LLC

H-00417 – SECURE ROAD REHABILITATION (C233610FL.07)

April 20, 2026

Mrs. Lauren Brown
Lauren@theloyalwingman.com

RE: Consor Price Proposal

Mrs. Brown,

Consor North America, Inc. (Consor) is pleased to present a cost proposal H-00417 – Secure Road Rehabilitation. After internal discussions, we understand that this project will reconstruct the Secure Road near the Centerfield ARFF station from just east of TWY E1 to just south of TWY F, including demolition of existing checkpoint and installation of roadway lighting duct. Consor's roles will be general CEI inspection services, as directed by The Loyal Wingman, and will be accomplished within the hours stated below

Role	Company	Individual	Aug-26	Sept-26	Oct-26	Total Hours	Rate	Fee
Senior Inspector	Consor North America, INC	David Hernandez	16	0	0	16	$116.00	$1,856.00
Inspector	Consor North America, INC	TBD	160	40	0	200	$84.00	$16,800.00
							Total	$18,656.00

If you have any questions please reach out to me directly.

Sincerely,

Peter J. McGovern

Digitally signed by Peter J. McGovern
DN: C=US, E=PMcGovern@consoreng.com, O=Consor Engineers, CN=Peter J. McGovern
Reason: I am approving this document
Date: 2026.04.20 15:37:02-04'00'

Peter McGovern, P.E. | *Senior Project Engineer*
401.569.6823 | PMcGovern@consoreng.com

P.O. Box 770931
Winter Garden, FL 34777
Phone: 407-989-8102
marketing@on-pointsurveying.com
on-pointsurveying.com

April 14, 2026

Loyal Wingman
2118 Hoffner Avenue
Belle Isle, FL 32809

H-00417 Secure Road Rehab at Centerfield ARFF
OAR Scope – On Point Surveying, Inc.

On-Point Surveying, Inc. is proud to bring you our proposal for Professional Land Surveying Services for this project. Our firm is a full-service land surveying company with a combined Professional Surveying and Mapping experience of 40 years, and overall land surveying experience of 75 years.

We pride ourselves on being team players and building positive, lasting relationships with our partners. Our team is comprised of highly motivated and hard-working personnel who have made it our standard to exceed client expectations. We are equipped with the latest technology including robotic instruments and cloud-based systems, which allows us to provide easy and efficient support to our partners and crews on the go and complete submittal documents swiftly.

We truly appreciate the opportunity to provide you this proposal. We hope that you find our proposal both the most cost-effective option and the best fit for your team.

PROPOSED SCOPE OF SERVICES

Surveying Services **$3,930.00**
On Point Surveying, Inc. will provide surveying services on an “as needed” basis.

Based on approved current rates.

Should any changes arise, or any additional work is needed, we would be happy to provide those services for an additional negotiated fee.

Thank you for your consideration in adding us to your project team!

If you have any questions, we are always available by phone or email.

Thank you,
Janna M. Rasberry
Vice President
Phone: 407-989-8103
operations@on-pointsurveying.com

LOYAL WINGMAN MMXXI

Truth In Negotiation Certification

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Greater Orlando Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Greater Orlando Aviation Authority, whichever is later.

Consultant: Loyal Wingman, LLC

By: A. Lauren Brown

Print Name: A. Lauren Brown, President

Date: April 13, 2026

Nongovernmental Entity Declaration Regarding the Use of Coercion for Labor and Services

Nongovernmental Entity's Name: Loyal Wingman, LLC

Nongovernmental Entity's FEIN: 87-3156975

Authorized Officer or Representative Name and Title: A. Lauren Brown, President

Nongovernmental Entity's Address: 2118 Hoffner Ave. Belle Isle FL 32809

Section 787.06(13), Florida Statutes, requires all nongovernmental entities executing, renewing, or extending a contract with a governmental entity, as defined in section 287.138(1), Florida Statutes, to provide an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury that the nongovernmental entity does not use coercion for labor or services as defined in that statute. The Greater Orlando Aviation Authority is a governmental entity as defined by and for purposes of section 787.06(13).

The nongovernmental entity identified above does not, pursuant to section 787.06(2)(a):

- Use or threaten to use physical force against any person;
- Restrain, isolate, or confine, or threaten to restrain, isolate, or confine any person without lawful authority and against her or his will;
- Use lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;
- Destroy, conceal, remove, confiscate, withhold, or possess any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
- Cause or threaten to cause financial harm to any person;
- Entice or lure any person by fraud or deceit; or
- Provide a controlled substance as outlined in Schedule I or Schedule II of section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person.

Under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

By:

Authorized Officer or Representative: A. Lauren Brown

Title: President, Loyal Wingman, LLC

Date: April 13, 2026

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

Legend:

Future proposal | BAT Projects

Updated: 04/13/26

Name	Position	Company	Sponsor	Project #	Add #	Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**W-S00149**	-	Terminal C Program	32	32	32	32	32	32	32	32	32	32	32	32	**384**
Ben Brown	Sr. Project Manager	Loyal Wingman	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
Ben Brown	Sr. Project Manager	Loyal Wingman	Environmental	**W-00591**	**34**	Staff Extension - FY26 Environmental			16	16	16	16	16	16	16	16	16	16	**160**
Ben Brown	Sr. Project Manager	Loyal Wingman	-	-	**32**	Staff Extension - FY26 Construction and Engineering	16	16	16	16	16	16	16	16	16	16	16	16	**192**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	**48**
Ben Brown	Sr. Project Manager	Loyal Wingman	Tenant	**T-2012**	**28**	UAL-MCO Maintanence Facility Complex													**0**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping	8	16	8										**32**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	32	16	4										**52**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00385**	**29**	Runway 17L-35R Lighting System Improvements		16	24	24	24	16	16	8					**128**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00392**	**30**	Bridge 999954 Bearing	8	16	20	4	4								**52**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	32	32				**72**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								4	6	12			**22**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	12	12	12	12		**56**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00419**	-	Pavement Repair TWY B1								16	16	8	8		**48**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	32	12	**56**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							4	4	4	4	4		**20**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1								16	8				**24**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**EP-00TBD**	**21**	QTA Pond Pipe Repair					16	32	24	8					**80**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work		20	40	32	32	32	32	32	32	32	32	32	**348**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	40	40											**80**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00508**	-	BP-00508, Commercial Lane Terminal A & B Pavement Rehabilitation													**0**
						TOTAL HOURS	**136**	**172**	**160**	**124**	**140**	**144**	**164**	**204**	**182**	**152**	**160**	**116**	**1854**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping	16	64	16										**96**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	32	32	8										**72**
Ace Yousuf	Assistant PM	Loyal Wingman	Construction	**H-00385**	**29**	Runway 17L Lighting		16	16	80	160	80							**352**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**H-00395**	**27**	Terminal C Improvements		80	80	80									**240**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7/25 and Related Work*					120	160	160	160	160	160	160	7.1875	**1087.1875**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	160											**320**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**Staff Ext**		Staff Extension GOAA Enginering & Construction						40	80	80	80	80	80	80	**520**
						TOTAL HOURS	**208**	**352**	**120**	**160**	**280**	**280**	**240**	**240**	**240**	**240**	**240**	**87.1875**	**2687.1875**
						*** Based on the updated schedule for BP-00050, the originally estimated hours are more than anticipated**													
TBD	Sr. Inspector	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2													**0**
TBD	Sr. Inspector	Loyal Wingman	Construction	**BP-00508**	-	Commercial Lane Rehabilitation										160	160	160	**480**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**160**	**160**	**160**	**480**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**W-S00149**	-	Terminal C Program	160	160	160	160	160	160	160	160	160	160	80	80	**1760**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								16	4	4	4		**28**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	8	**24**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										24	24	24	**72**
						TOTAL HOURS	**160**	**160**	**160**	**160**	**160**	**160**	**160**	**176**	**164**	**172**	**92**	**88**	**1812**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		16											**16**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	16	16											**32**
Dave Abueg	Assistant PM	Loyal Wingman	Tenant	**T-2012**	**28**	UAL- MCO Maintanence Facility Complex													**0**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		20	80	140	120	20							**380**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**176**	**92**	**80**	**140**	**120**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**628**
Kevin Duffy	Project Manager	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work			100	160	160	160	120	120	120	160	160	160	**1420**
						TOTAL HOURS	**0**	**0**	**100**	**160**	**160**	**160**	**120**	**120**	**120**	**160**	**160**	**160**	**1420**
Bennett Robinson	Inspector	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work				160	160	160				160	160		**800**
						TOTAL HOURS	**0**	**0**	**0**	**160**	**160**	**160**	**0**	**0**	**0**	**160**	**160**	**0**	**800**
Omar Rodriguez	Inspector	Loyal Wingman	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							16	80	80				**176**
Omar Rodriguez	Inspector	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								24	64	64	40		**192**
Omar Rodriguez	Inspector	Loyal Wingman	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							40	96	96	120	40		**392**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**56**	**200**	**240**	**184**	**80**	**0**	**760**
TBD	Inspector	Loyal Wingman																	**0**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Chris Bates	Inspector Aide	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		24	24	136	136	136	40						**496**
Chris Bates	Inspector Aide	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	80											**240**
Chris Bates	Inspector Aide	Loyal Wingman	Construction	**BP-00508**	-	BP-00508, Commercial Lane Rehabilitation													**0**
						TOTAL HOURS	**160**	**104**	**24**	**136**	**136**	**136**	**40**	**0**	**0**	**0**	**0**	**0**	**736**
TBD	Inspector Aide	Loyal Wingman	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							16	16	80	160	160	80	**512**

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

TBD	Inspector Aide	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										80	160		240
TBD	Inspector Aide	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										80	40	160	280
						TOTAL HOURS	0	0	0	0	0	0	16	16	80	320	360	240	1032
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	4	20	16										40
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	EP-00TBD		QTA Pond Pipe Repair					8	32	32	16					88
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00410		Bridge 999953 Structural Rehabilitation									8	8	8		24
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	16					32
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	20	36
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								32	32	16	8		88
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										8	8	20	36
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							4	4	4	16	16		44
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	V-01031		ORL Airfield Beacon Replacement									2				2
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							16	16	16	16	16	16	96
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	288
						TOTAL HOURS	4	20	16	32	40	64	100	116	94	104	96	88	774
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	4	4	4	4	4	4	4	4	4	4	4	4	48
Lauren Brown	Project Coordinator	Loyal Wingman	Engineering	W-S00151 AMD1	15	MCO Terminal C Design and Project Oversight Services - Gate 241													0
Lauren Brown	Principal	Loyal Wingman	Environmental	W-00591	34	Staff Extension - FY26 Environmental	8	8	8	8	8	8	8	8	8	8	8	8	96
Lauren Brown	Principal	Loyal Wingman	-	-	32	Staff Extension - FY26 Constuction & Engineering	8	8	8	8	8	8	8	8	8	8	8	8	96
Lauren Brown	Senior Inspector	Loyal Wingman	Construction	Staff Ext		Staff Extension - FY26 AMD1 Constuction & Engineering						8	8	8	8	8	8	8	56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	24	24	24										72
Lauren Brown	Principal	Loyal Wingman	Construction	H-00385	29	MCO Runway 17L-35R Lighting Improvements		8	8	8	8	8	8	8					56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00393	26	MCO Taxiway Bravo and Charlie Pavement rehabilitation	12												12
Lauren Brown	Principal	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				40
Lauren Brown	Principal	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	72
Lauren Brown	Principal	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd									16	16	16	16	64
Lauren Brown	Principal	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								16	16	16	8		56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										16	16	16	48
Lauren Brown	Principal	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							8	8	8	8	8		40
Lauren Brown	Principal	Loyal Wingman	Construction	H-00TBD	-	MCO Pond Rehabilitation	16	32	32	32	32	32	32	32					240
Lauren Brown	Principal	Loyal Wingman	Construction	H-00TBD	-	ALCMS Fiber		8	8	8	8	8	8						48
Lauren Brown	Principal	Loyal Wingman	Construction	E-00270	-	AS 2 and AS 4 Fiber Connection							16	16	16	16	16	8	88
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		16	16	32	32	32	32	16					176
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	288
Lauren Brown	Principal	Loyal Wingman	Construction	EP-00TBD		QTA Pond Pipe Repair					8	16	16	16					56
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	BP-00498	4	Taxiways G &H Rehabilitation Phase 2	32	32											64
Lauren Brown	Principal	Loyal Wingman	Construction	H-00410		Bridge 999953 Structural Rehabilitation							2	2	2	2	2		10
Lauren Brown	Principal	Loyal Wingman	Construction	V-01031		ORL Airfield Beacon Replacement									2	2	2	2	8
Lauren Brown	Principal	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	48
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	192
						TOTAL HOURS	104	140	108	132	140	156	230	238	192	192	184	158	1974
						Total Loyal Wingman Hours	948	1040	768	1204	1336	1280	1126	1310	1312	1844	1692	1097.1875	14957.1875

Greater Orlando Aviation Authority OAR Staffing

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Subconsultants

Name	Position	Company	Sponsor	Project #		Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Carrie Company																			
Isadore Carrie	Sr. Project Manager	Carrie Company	Environmental	**W-00591**	**34**	Staff Extension - FY26 Environmental		44	48	48	48	48	48	48	48	44	44	44	**512**
Isadore Carrie	Sr. Project Manager	Carrie Company	-	**-**	**32**	Staff Extension - FY26 Constuction & Engineering	84	84	84	84	84	84	84	84	84	84	80	80	**1000**
Isadore Carrie	Sr. Project Manager	Carrie Company	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							12	32	32	32	32	16	**156**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation	8	16	20	4	4								**52**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00393**	**26**	MCO Taxiways Bravo and Charlie Pavement Repair	4												**4**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00395**	**27**	Terminal C Improvements	8	28	28	28	8	8	4						**112**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	12	12	**36**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**EP-00TBD**		QTA Pond Pipe Repair					8	16	8	8					**40**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							4	4	4	2	2		**16**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**V-01031**		ORL Airfield Beacon Replacement									4	4	4	4	**16**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1													**0**
						TOTAL HOURS	**104**	**172**	**180**	**164**	**152**	**156**	**160**	**184**	**188**	**194**	**190**	**172**	**2016**
Zachary Schena	Assistant PM	Carrie Company	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		48	16										**64**
Zachary Schena	Assistant PM	Carrie Company	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	8	8	40	40		**104**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		40	80	80	80	80	40	16					**416**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work		20	80	80	80	40	40	40	40	120	160	160	**860**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**160**	**148**	**176**	**160**	**160**	**120**	**88**	**64**	**48**	**160**	**200**	**160**	**1644**
Magaly Carrie	Project Coordinator	Carrie Company	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Kyle Jackson	Project Engineer	Carrie Company	Engineering			Staff Extension - FY26 AMD1 Constuction & Engineering							80	100	80	100	80	80	**520**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**H-00419**	-	Pavement Repair TWY B1								24	16	24	8		**72**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**V-01031**		Orl Airfield Beacon Replacement									8	8	8	8	**32**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							16	40	80	80	80	80	**376**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							8	16	16	4	4		**48**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**104**	**180**	**200**	**216**	**180**	**168**	**1048**
Akber Yassin	Project Coordinator	Carrie Company	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation	4	8	80	8	8								**108**
Akber Yassin	Project Coordinator	Carrie Company	Construction	**H-00395**	**27**	Terminal C Improvements	8	20	20	20	8	8	8						**92**
						TOTAL HOURS	**12**	**28**	**100**	**28**	**16**	**8**	**8**	**0**	**0**	**0**	**0**	**0**	**200**
GCI																			
Rich Dobbyn	Sr. Inspector	GCI	Construction	**H-00393**	**26**	TWY B Pavement Repair													**0**
Rich Dobbyn	Sr. Inspector	GCI	Construction	**EP-00TBD**		QTA Pond Pipe Repair						80	80						**160**
Rich Dobbyn	Sr. Inspector	GCI	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**160**	**40**	**0**	**0**	**0**	**80**	**80**	**0**	**0**	**0**	**0**	**0**	**360**
Landon Wilson	Safety Director	GCI	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	40												**40**
Landon Wilson	Safety Director	GCI	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1			16	40	40	40	40						**176**
Landon Wilson	Project Manager (Safety)	GCI	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work			16	32	64	64	65	64	64	64			**433**
						TOTAL HOURS	**40**	**0**	**32**	**72**	**104**	**104**	**105**	**64**	**64**	**64**	**0**	**0**	**649**
James McCuddy	Sr. Inspector	GCI	Construction	**H-00395**	**27**	Terminal C Improvements		5	5										**10**
						TOTAL HOURS	**0**	**5**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
Chace Construction Services																			
Jim Veretto	Senior Inspector	Chace	Construction	**H-00385**	**29**	Runway 17L Lighting		40	60	80	80	80							**340**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				**40**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd													**0**
Jim Veretto	Senior Inspector	Chace	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1						80	40						**120**
Jim Veretto	Sr. Electrical Inspector	Chace	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work						120	160	160	160	160	160		**920**
Jim Veretto	Sr. Electrical Inspector	Chace	Construction	**V-01031**		Orl Airfield Beacon Replacement									2				**2**
Jim Veretto	Senior Inspector	Chace	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	167	70											**237**
						TOTAL HOURS	**167**	**110**	**60**	**80**	**80**	**280**	**208**	**184**	**194**	**176**	**176**	**16**	**1731**
Elipsis Engieering & Construction																			
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		100											**100**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	160	40											**200**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1				160	160	80	20						**420**
Michael Starr	Sr. Inspector	Elipsis	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work					160	160	160	160	160	160	160	80	**1200**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2													**0**
						TOTAL HOURS	**160**	**140**	**0**	**160**	**320**	**240**	**180**	**160**	**160**	**160**	**160**	**80**	**1920**
Sandy Perez	Compliance	Elipsis	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		20	20	40	40	40	40						**200**

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Sandy Perez	Compliance	Elipsis	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work				20	20	40	80	80	80	80	80		**480**
Sandy Perez	Compliance	Elipsis	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	80	40											**120**
						TOTAL HOURS	**80**	**60**	**20**	**60**	**60**	**80**	**120**	**80**	**80**	**80**	**80**	**0**	**800**
Ken Bechtel	Sr. Engineering Technician	Elipsis	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF											40		**40**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**40**	**0**	**40**
CMI																			
Bill White	Safety Director	CMI	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	40												**40**
						TOTAL HOURS	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**40**
Orlando Project Controls																			
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**H-00395**	**27**	Terminal C Improvements		4	4	4									**12**
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**H-00TBD**	-	MCO Pond Restoration		16	16	16	16	16	16						**96**
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**H-00TBD**	-	ALCMS Fiber	16	16	16	16									**64**
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1			24	24	24	24	24						**120**
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work				40	24	24	24	24	24	24	24		**208**
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	25												**25**
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	**BP-00508**	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	**192**
						TOTAL HOURS	**41**	**36**	**60**	**100**	**64**	**64**	**96**	**56**	**56**	**56**	**56**	**32**	**717**
Consor																			
David Hernandez	Senior Inspector	Consor	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation		8	120										**128**
David Hernandez	Senior Inspector	Consor	Construction	**H-00TBD**	-	MCO Pond Restoration											160	80	**240**
David Hernandez	Senior Inspector	Consor	Construction	**EP-00TBD**		QTA Pond Pipe Repair						160	140						**300**
David Hernandez	Senior Inspector	Consor	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation									120				**120**
David Hernandez	Senior Inspector	Consor	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							4	160	80				**244**
David Hernandez	Senior Inspector	Consor	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										40	40	40	**120**
						TOTAL HOURS	**0**	**8**	**120**	**0**	**0**	**160**	**144**	**160**	**200**	**40**	**200**	**120**	**1152**
Paul Fabrizio	Senior Project Manager	Consor	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							16	80	64				**160**
Paul Fabrizio	Sr. Project Manager	Consor	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance						8	16	20	20	20	20		**104**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**8**	**32**	**100**	**84**	**20**	**20**	**0**	**264**
TBD	Senior Inspector	Consor	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)													**0**
TBD	Senior Inspector	Consor	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF											160	40	**200**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**160**	**40**	**200**
On Point Surveying																			
Jake Rasberry	Project Manager	On Point Surveying	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				**40**
Jake Rasberry	Project Manager	On Point Surveying	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF												30	**30**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**16**	**16**	**0**	**0**	**30**	**70**
Adaptive																			
TBD	Sr. Inspector	Adaptive	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd											80		**80**
TBD	Sr. Inspector	Adaptive	Construction	**H-00419**	-	Pavement Repair TWY B1									40	80			**120**
TBD	Sr. Inspector	Adaptive	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2											80	80	**160**
TBD	Sr. Inspector	Adaptive	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							32	48	120	8			**208**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**32**	**48**	**160**	**88**	**160**	**80**	**568**
TBD	Sr. Inspector	Adaptive	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd											160		**160**
TBD	Sr. Inspector	Adaptive	Construction	**H-00419**	-	Pavement Repair TWY B1									40	120	40		**200**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**40**	**120**	**200**	**0**	**360**
TBD	Inspector	Adaptive	Construction	**H-00419**	-	Pavement Repair TWY B1									20				**20**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**0**	**0**	**20**
						Total Subcontracted Hours	**964**	**747**	**753**	**824**	**956**	**1300**	**1365**	**1296**	**1510**	**1374**	**1822**	**898**	**13809**

Published By: Benjamin Brown
Reviewed By: Lauren Baker

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, P.E., Vice President of Construction

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman, LLC for Design-Build Phase Owner's Authorized Representative Services for H-00419, Pavement Repair Taxiway B1 (D/B), at Orlando International Airport

BACKGROUND

On February 21, 2024, the Aviation Authority Board approved an agreement with Loyal Wingman, LLC for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Project Services.

ISSUES

Consultant's proposal, April 13, 2026, is to provide Design-Build Phase OAR Services for H-00419, Pavement Repair Taxiway B1 (D/B).

The section of Taxiway B between Taxiway J and Taxiway B2 continues to experience persistent pavement issues. If the rutting in this location continues to progress much more, this portion of the taxiway must be closed. The site civil improvements included in this project will increase customer satisfaction and operational efficiency, addressing the needs of both end-users and maintenance teams.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload

☒ Expertise ☐ Equitable Distribution ☐ Other:_____

SMALL BUSINESS

The small business participation has been reviewed by the Office of Business Opportunity & Exchange. The findings and recommendation are attached.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from previously approved Operations & Maintenance Funds (O&M). Funding source verified by Melvin Martinez of Finance on 04 /23 /26 as correct and available.

CC
ITEM IV-C
04/28/2026

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman, LLC for the services contained herein and the amount as shown below:

Not to Exceed Fees	$70,756.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$2,876.00
TOTAL	**$73,632.00**
Financial Auditor – Compliance Review Date	SJ 04/22/26
Financial Auditor – Funding Eligibility Review Date	

MEMORANDUM

DATE: April 28, 2026

TO: Members of the Construction Committee

FROM: Amber Johnson, AVP, Business Opportunity and Exchange

ITEM DESCRIPTION

Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement
Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative
Pavement Repair Taxiway B1 (D/B),at Orlando International Airport.

SMALL BUSINESS

The Office of Business Opportunity & Exchange has reviewed the subject contract's LDB/VBE specifications, and
Loyal Wingman,LLC proposes 63% LDB/VBE participation in this addendum.

LDB& VBE UTILIZATION FORM FOR NON-FEDERALLY FUNDED PROJECTS
PLEASE COMPLETE THIS FORM

This form should be used to report Construction and Engineering /Professional Services activities.

Name of Airport: **Orlando International Airport** Telephone No: **(407) 825-7179**

Address: **One Jeff Fuqua Boulevard, Orlando, FL 32827**

Project Name & Number: **Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Services for H-00419, Pavement Repair Taxiway B1 (D/B),at Orlando International Airport.**

1. Construction Information:

Addendum Amount:

2. LDB/VBE Goal by Group Representation:

Asian Pacific American		Actual Result	
Asian Subcontinent American		Actual Result	
Black American		Actual Result	
Caucasian Female American		Actual Result	
Hispanic American		Actual Result	
Native American		Actual Result	
Other		Actual Result	
Total LDB/VBE Participation	-	**Actual Result**	0.0%

3.a. Prime Contractor Information:

Name:
Address:
City, State, Zip:
Telephone:

3.b. Name and Address of Subcontractor

Name:
Address:
City, State, Zip:
Telephone:

3.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

4. Engineering/Professional Services Information:

Addendum Amount: **$69,920.00**

5. LDB/VBE Goal by Group Representation:

Asian Pacific American	36,940.00	Actual Result	53%
Asian Subcontinent American	-	Actual Result	0%
Black American	6,984.00	Actual Result	10%
Caucasian Female American		Actual Result	0%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total LDB/VBE Participation	**43,924.00**	**Actual Result**	**63%**

6.b. Engineering / Professional Service Firm Information:

Name: **Loyal Wingman,LLC**
Address: **2118 Hoffner Avenue**
City, State, Zip: **Belle Isle, FL 32809**
Telephone:

6.b. Name and Address of Subconsultant

Name: **Please see attached**
Address:
City, State, Zip:
Telephone:

6.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

LDB&VBE Subcontractor/Subconsultant Certification

Project Name & Number: **Request for Recommendation of Approval of an Addendum to the Continuing Program and ProjectManagement Services for Airfield, Roadway, and Horizontal Construction Projects with Loyal Wingman,LLC for Owner's Authorized Representative Services for H-00419, Pavement Repair Taxiway B1 (D/B),at Orlando International Airport.**

Prime Firm: **Loyal Wingman,LLC**

Addendum Amount: **$69,920.00**

Company Name	**Carrie Company**
Address	89 Alafaya Woods Bvld
City, State, Zip	Oviedo, FL 32765
Phone	504-444-1550
Identity	Black American
LDB or VBE ?	LDB
Work Item	Project Engineer
Amount of Subcontract	$6,984.00
Percentage	10.0%

Company Name	**Adaptive Consulting Engineers**
Address	12922 Tanja King Blvd.
City, State, Zip	Orlando, FL 32828
Phone	407-506-5593
Identity	Asian Pacific American
Work Item	Inspector
Amount of Subcontract	$36,940.00
Percentage	52.8%

Company Name	
Address	
City, State, Zip	
Phone	
Identity	
Work Item	
Amount of Subcontract	
Percentage	

Company Name	
Address	
City, State, Zip	
Phone	
Identity	
Work Item	
Amount of Subcontract	
Percentage	

$43,924.00 **63%**

$69,920.00

Anna Lauren Brown
lauren@theloyalwingman.com
2118 Hoffner Avenue
Belle Isle, FL 32809

April 13, 2026

Mr. John Bayley, PMP, C.M.
Project Manager, BHS
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

Subject: H-00419 Pavement Repair TWY B1
Owner's Authorized Representative (OAR) Design-Build Services Proposal
Orlando International Airport

Dear Mr. Bayley,

Loyal Wingman, LLC, is pleased to submit this proposal to render OAR Design-Build services under the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects Agreement for the above-referenced project.

Project Description

As MCO and ORL continue to experience significant growth, it is essential that the facilities reflect the high standards expected by passengers, employees, and the community. To support this vision, the Aviation Authority has created the **Beautiful Airports Team (BAT)**, tasked with identifying and executing strategic beautification and maintenance projects across the airport campus. This initiative is intended to elevate safety, visual quality, guest experience, asset preservation, and the overall environment at MCO and ORL.

The **H-00419 Pavement Repair TWY B1** project rehabilitates the section of Taxiway B between Taxiway J and Taxiway B2. This area continues to experience persistent pavement issues that must ultimately be

resolved as part of major rehabilitation. Until then, targeted rehabilitation projects maintain the pavement within the FAA standards.

These site civil improvements are designed to increase customer satisfaction and operational efficiency, addressing the needs of both end-users and maintenance teams. If the rutting in this location continues to progress much more, this portion of the taxiway must be closed. Closure of this taxiway would have a negative effect on air traffic management resulting in a sharply diminished customer experience. The enhancements align with the Executive Airport's commitment to delivering superior travel experience and operational excellence.

Services

Our Scope of Services will be to represent the Aviation Authority by providing OAR Design-Build services. The services for this project will be performed in accordance with the provisions of GOAA's Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects contract and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

Fee Summary

Our fee is based on regular time for our management personnel at our currently approved billing rates. Based on the attached worksheets, our anticipated staffing plan adds up to a total Not to Exceed Fee distributed as follows:

Not to Exceed Professional Fees	$62,444.00
Not to Exceed Professional Fees (Closeout)	$8,312.00
Not to Exceed Reimbursable Expenses	$2,876.00
Total	**$73,632.00**

Small Business Participation

Loyal Wingman has strong relationships with several small business partners. For this project, Carrie Company, an LDB, will be awarded an estimated $6,984.00 (9.49% of our OAR fee) to handle day-to-day coordination and administration of the project. We are proud to collaborate with Carrie Company and are confident we can deliver a successful project together. We have also reached out to our friends from Adaptive Consulting Engineers to provide inspection support. This will total $36,940. Combined this brings the LDB total to 59.65% for this project.

Payment

We will invoice in accordance with the terms of our contract with the Aviation Authority. We appreciate the opportunity to present this proposal, and we look forward to working with GOAA on this most important project. Should you have any questions or if we may be of further assistance, do not hesitate to reach out to us.

For the mission,

A. Lauren Brown

A. Lauren Brown
President/ Operations Manager
Loyal Wingman, LLC.

H-00419 Pavement Repair Taxiway B1 (D/B)

This project will be a pavement repair on Taxiway B from Taxiway B2 to Taxiway J. This project will mill and resurface the rutted portions of the pavement next to the centerline.

STAFFING SCHEDULE - Total

SCHEDULE: OAR DESIGN/BUILD SERVICES

			NTP	Estimated 60 days for desing and 30 days for construction							Start Date	Completion Date			
PHASE	**Duration**	**DESCRIPTION**	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26					
Project Design and development	**60**	**Develop design and procure materials, permitting if needed**									4/28/26	6/27/26			
Construction	**30**	**Construction phase**									6/27/26	7/27/26			
Final Completion/ Closeout	**30**	**Close out**									7/27/26	8/26/26			
Professional Services			NTP	Estimated 60 days for desing and 30 days for construction							Total Hours	Hourly Rates	Total $	Small Business participation %	Category
ROLE	**Company**	**INDIVIDUAL**	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26					
Senior Project Manager	Loyal Wingman	**Ben Brown**			16	16	8	8			48	$ 213.00	$ 10,224.00		
Project Engineer	Carrie Company	**Kyle Jackson**			24	16	24	8			72	$ 97.00	$ 6,984.00	9.49%	LDB
Senior Inspector	Adaptive Consulting Engineers	**AJ Potter**				40	80				120	$ 110.00	$ 13,200.00	17.93%	LDB
Senior Inspector	Elipsis Engineering	**Ken Bechtel**					40				40	$ 103.00	$ 4,120.00		
Senior Inspector	Adaptive Consulting Engineers	**Brian Eden**				40	120	40			200	$ 110.00	$ 22,000.00	29.88%	LDB
Inspector	Adaptive Consulting Engineers	**TBD Adaptive Inspector**				20					20	$ 87.00	$ 1,740.00	2.36%	LDB
Project Coordinator	Loyal Wingman	**Lauren Baker**			32	32	16	8			88	$ 77.00	$ 6,776.00		
Principal	Loyal Wingman	**Lauren Brown**			16	16	16	8			56	$ 102.00	$ 5,712.00		
											0				
											0				
											0				
											0				
											0				
TOTAL STAFF HOURS			**0**	**0**	**88**	**180**	**304**	**72**	**0**	**0**	**644**		**$70,756.00**		
Reimbursable Expenses															
Asphalt Plant Inspection	**Elipsis Engineering**						24	0			24	**$ 99.00**	$ 2,376.00		
On-site Materials Sampling	**Elipsis Engineering**										0	**$ 99.00**	$ -		
Lab Services	**Elipsis Engineering**						1	0			1	**$ 500.00**	$ 500.00		
Total support services													**$ 2,876.00**	Total LDB	
TOTAL OAR FEE NTE													**$73,632.00**	**59.65%**	

644 check hours

ANTICIPATED MEETINGS: Field Kick off meeting, pre-construction conference, weekly design phase meetings, focused TRT meeting with operations staff and stakeholders like Brightline, Bi-weekly job Coordination Meetings,

H-00419 Pavement Repair Taxiway B1 (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

OAR Design/Build Services Estimated Reimbursable Expenses

Item #	Firm	Description	Qty	Unit Cost	Total Cost
1	30	0	0	$0.00	$0.00
2	7	Asphalt Plant Inspection	24	$99.00	$2,376.00
3		On-site Materials Sampling	0	$99.00	$0.00
4		Lab Services	1	$500.00	$500.00
5		Field Trailer/storage lease	1	$0.00	$0.00
ESTIMATED TOTAL REIMBURSABLE EXPENSES					**$2,876.00**

H-00419 Pavement Repair Taxiway B1 (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

OAR Staffing Man-hours

Role	Name	Firm	Hourly Rate ($)	Total Hours	Total Fee ($)
Senior Project Manager	30	Loyal Wingman	$ 213.00	48	$ 10,224.00
Project Coordinator	30	Loyal Wingman	$ 77.00	88	$ 6,776.00
Principal	7	Loyal Wingman	$ 102.00	56	$ 5,712.00

Subtotal Prime					**$ 22,712.00**
Subcontractors / Reimbursable					
Project Engineer	Kyle Jackson	Carrie Company	$ 97.00	72	$ 6,984.00
Senior Inspector	AJ Potter	Adaptive Consulting Engineers	$ 110.00	120	$ 13,200.00
Senior Inspector	Ken Bechtel	Elipsis Engineering	$ 103.00	40	$ 4,120.00
Senior Inspector	Brian Eden	Adaptive Consulting Engineers	$ 110.00	200	$ 22,000.00
Inspector	TBD Adaptive Insp	Adaptive Consulting Engineers	$ 87.00	20	$ 1,740.00
TOTAL STAFF HOURS					$ 48,044.00
Reimbursable Expenses		(See detail)			$2,876.00
Subtotal Sub-consultants					**$ 50,920.00**
TOTAL FEE					**$ 73,632.00**

H-00419 Pavement Repair Taxiway B1 (D/B)
Loyal Wingman, LLC Agreement for Continuing Program and Project H-00419 Pavement Repair Taxiway B1 (D/B)

TABLE C-7a VBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
					0.00%
TOTAL PROPOSED PARTICIPATION				**$0.00**	**0.00%**

TABLE C-7b LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Adaptive Consulting Engineers		LDB		$36,940.00	50.2%
Carrie Company		LDB		$6,984.00	9.5%
TOTAL PROPOSED PARTICIPATION				**$43,924.00**	**59.7%**

Date: 04/17/2026

Client: Loyal Wingman

Project: H-00419 Pavement Repair Taxiway B1 (D/B)

Authored by: Isadore Carrie III

Proposal #: 10-2605

CARRIE COMPANY

Mrs. Lauren Brown - President
Loyal Wingman, LLC
2118 Hoffner Ave.
Orlando, FL 32809

Re: **Carrie Company Price Proposal**
Owner Authorized Representative (OAR) Construction Management Services

Dear Mrs. Brown,

Carrie Company is excited to submit this proposal to support the OAR Construction Management services for the H-00419 Pavement Repair Taxiway B1 (D/B) Project.

PROFESSIONAL SERVICE FEE

With Anticipation that the services will begin in May - Carrie Company offers the following staff and rate on a not-to-exceed basis:

H-00419 Pavement Repair Taxiway B1 (D/B) PROPOSED HOURS AND PERSONNEL				
Position	Submitted Personnel	Proposed Rate	Total Hours	Value
Project Engineer	Kyle Jackson	$ 97.00	72.00	$ 6,984.00
			Total Value	**$ 6,984.00**

Sincerely,

Isadore Carrie III, P.E.
Senior Project Manager

Date: 04/17/2026

Client: Loyal Wingman

Project: H-00419 Pavement Repair Taxiway B1 (D/B)

Authored by: Isadore Carrie III

Proposal #: 10-2605

CARRIE COMPANY

H-00419 Pavement Repair Taxiway B1 (D/B) VALUE

Month		1	2	3	4		
Position	Submitted Personnel	May-26	June-26	July-26	August-26		Total
Project Engineer	Kyle Jackson	$ 2,328.00	$ 1,552.00	$ 2,328.00	$ 776.00		$ 6,984.00
Proposed Total		**$ 2,328.00**	**$ 1,552.00**	**$ 2,328.00**	**$ 776.00**		**$ 6,984.00**

H-00419 Pavement Repair Taxiway B1 (D/B) PROPOSED HOURS

Position	Submitted Personnel	May-26	June-26	July-26	August-26		Total
Project Engineer	Kyle Jackson	24.00	16.00	24.00	8.00		72
Proposed Total		**24.00**	**16.00**	**24.00**	**8.00**		**72.00**

530 S. Main Street, Winter Garden, FL 34787
407-982-7275, contracts@elipsisec.com

Date: 4/15/2026
To: Loyal Wingman
Attn: Lauren Brown
2118 Hoffner Ave., Belle Isle, FL 32809

Proposal Cost Estimate
H-00419 Taxiway B1 Pavement Repair
EEC PRO 211

Description	Estimated Quantity	Unit	Unit Rate	Estimated Cost
Senior Inspector	40	Hour	$103.00	$ 4,120.00
			Total Professional Services:	$ 4,120.00
Atterberg Limits	unit rate	Each	$150.00	
Sieve Analysis	unit rate	Each	$75.00	
Percent Fines (Wash 200)	unit rate	Each	$50.00	
Hydrometer Analysis	unit rate	Each	$95.00	
Organic Content Determination	unit rate	Test	$60.00	
Moisutre Content	unit rate	Test	$50.00	
FM 5-550 Soils pH Soil or Water	unit rate	Test	$60.00	
FM 5-551 Soils Resistivity Soil or Water	unit rate	Test	$65.00	
FM 5-552 Soils Chloride Soil or Water	unit rate	Test	$75.00	
FM 5-553 Soils Sulfate Soil or Water	unit rate	Test	$65.00	
FM 5-515 Limerock Bearing Ratio	unit rate	Each	$400.00	
T99 Standard Proctor or T180 Modified Proctor	unit rate	Each	$130.00	
ASTM C109 Concrete Compressive Strength & Breaking	unit rate	Each Break	$40.00	
ASTM C78 Flexural Beam Strength & Breaking	unit rate	Each Break	$75.00	
Soil Cement Pills	unit rate	Each	$40.00	
Asphalt Extraction & Gradation	unit rate	Each	$350.00	
Asphalt/Concrete Core	unit rate	Each	$175.00	
Mobilzation Asphalt/Concrete Coring Equipment	unit rate	Each	$400.00	
Sr. Engineering Technician (asphalt plant inspection & on-site materials sampling)	unit rate	Hour	$99.00	
Project Engineer (report review, sign and seal, responsible charge)	unit rate	Hour	$169.00	
Project Manager (scheduling, coordination, specialized services oversite)	unit rate	Hour	$150.00	
			Total Reimbursable Expenses:	$ 2,876.00

SUBCONSULTANT: **ADAPTIVE CONSULTING ENGINEERS, LLC**

PROJECT NO.: H-00419 Taxiway B1 Pavement Repair

PROJECT DESCRIPTION: Pavement repair on Taxiway B from Taxiway B1 to Taxiway J. This project will mill and resurface the rutted portions of the pavement next to the centerline

Personnel Classification	NAME	CONSULTANT	Loaded Rates	Total Man-Hours	Total Costs
CEI Senior Inspector	AJ Potter	Adaptive CE	$110.00	120.00	$13,200.00
CEI Senior Inspector	Brian Eden	Adaptive CE	$110.00	200.00	$22,000.00
CEI Inspector	TBD	Adaptive CE	$87.00	20.00	$1,740.00
				TOTAL COMPENSATION	**$36,940.00**

LOYAL WINGMAN MMXXI

Truth In Negotiation Certification

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Greater Orlando Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Greater Orlando Aviation Authority, whichever is later.

Consultant: Loyal Wingman, LLC

By: A. Lauren Brown

Print Name: A. Lauren Brown, President

Date: April 13, 2026

Nongovernmental Entity Declaration Regarding the Use of Coercion for Labor and Services

Nongovernmental Entity's Name: Loyal Wingman, LLC

Nongovernmental Entity's FEIN: 87-3156975

Authorized Officer or Representative Name and Title: A. Lauren Brown, President

Nongovernmental Entity's Address: 2118 Hoffner Ave. Belle Isle FL 32809

Section 787.06(13), Florida Statutes, requires all nongovernmental entities executing, renewing, or extending a contract with a governmental entity, as defined in section 287.138(1), Florida Statutes, to provide an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury that the nongovernmental entity does not use coercion for labor or services as defined in that statute. The Greater Orlando Aviation Authority is a governmental entity as defined by and for purposes of section 787.06(13).

The nongovernmental entity identified above does not, pursuant to section 787.06(2)(a):

- Use or threaten to use physical force against any person;
- Restrain, isolate, or confine, or threaten to restrain, isolate, or confine any person without lawful authority and against her or his will;
- Use lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;
- Destroy, conceal, remove, confiscate, withhold, or possess any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
- Cause or threaten to cause financial harm to any person;
- Entice or lure any person by fraud or deceit; or
- Provide a controlled substance as outlined in Schedule I or Schedule II of section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person.

Under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

By:

Authorized Officer or Representative: A. Lauren Brown

Title: President, Loyal Wingman, LLC

Date: April 13, 2026

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

Legend:

Future proposal | BAT Projects

Updated: 04/13/26

Name	Position	Company	Sponsor	Project #	Add #	Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	32	32	32	32	32	32	32	32	32	32	32	32	384
Ben Brown	Sr. Project Manager	Loyal Wingman	Engineering	W-S00151 AMD1	15	MCO Terminal C Design and Project Oversight Services - Gate 241													0
Ben Brown	Sr. Project Manager	Loyal Wingman	Environmental	W-00591	34	Staff Extension - FY26 Environmental			16	16	16	16	16	16	16	16	16	16	160
Ben Brown	Sr. Project Manager	Loyal Wingman	-	-	32	Staff Extension - FY26 Construction and Engineering	16	16	16	16	16	16	16	16	16	16	16	16	192
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	48
Ben Brown	Sr. Project Manager	Loyal Wingman	Tenant	T-2012	28	UAL-MCO Maintanence Facility Complex													0
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	8	16	8										32
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	32	16	4										52
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00385	29	Runway 17L-35R Lighting System Improvements		16	24	24	24	16	16	8					128
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00392	30	Bridge 999954 Bearing	8	16	20	4	4								52
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	32	32				72
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								4	6	12			22
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	12	12	12	12		56
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								16	16	8	8		48
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	32	12	56
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							4	4	4	4	4		20
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1								16	8				24
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	EP-00TBD	21	QTA Pond Pipe Repair					16	32	24	8					80
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work		20	40	32	32	32	32	32	32	32	32	32	348
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	40	40											80
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Terminal A & B Pavement Rehabilitation													0
						TOTAL HOURS	136	172	160	124	140	144	164	204	182	152	160	116	1854
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	16	64	16										96
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	32	32	8										72
Ace Yousuf	Assistant PM	Loyal Wingman	Construction	H-00385	29	Runway 17L Lighting		16	16	80	160	80							352
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	H-00395	27	Terminal C Improvements		80	80	80									240
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7/25 and Related Work*					120	160	160	160	160	160	160	7.1875	1087.1875
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	160	160											320
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	Staff Ext		Staff Extension GOAA Engineering & Construction						40	80	80	80	80	80	80	520
						TOTAL HOURS	208	352	120	160	280	280	240	240	240	240	240	87.1875	2687.1875
						* Based on the updated schedule for BP-00050, the originally estimated hours are more than anticipated													
TBD	Sr. Inspector	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2													0
TBD	Sr. Inspector	Loyal Wingman	Construction	BP-00508	-	Commercial Lane Rehabilitation										160	160	160	480
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	160	160	160	480
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	160	160	160	160	160	160	160	160	160	160	80	80	1760
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								16	4	4	4		28
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	8	24
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										24	24	24	72
						TOTAL HOURS	160	160	160	160	160	160	160	176	164	172	92	88	1812
Dave Abueg	Assistant PM	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping		16											16
Dave Abueg	Assistant PM	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	16	16											32
Dave Abueg	Assistant PM	Loyal Wingman	Tenant	T-2012	28	UAL- MCO Maintanence Facility Complex													0
Dave Abueg	Assistant PM	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1			20	80	140	120	20						380
Dave Abueg	Assistant PM	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	160	40											200
						TOTAL HOURS	176	92	80	140	120	20	0	0	0	0	0	0	628
Kevin Duffy	Project Manager	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work			100	160	160	160	120	120	120	160	160	160	1420
						TOTAL HOURS	0	0	100	160	160	160	120	120	120	160	160	160	1420
Bennett Robinson	Inspector	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				160	160	160				160	160		800
						TOTAL HOURS	0	0	0	160	160	160	0	0	0	160	160	0	800
Omar Rodriguez	Inspector	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	80	80				176
Omar Rodriguez	Inspector	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								24	64	64	40		192
Omar Rodriguez	Inspector	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							40	96	96	120	40		392
						TOTAL HOURS	0	0	0	0	0	0	56	200	240	184	80	0	760
TBD	Inspector	Loyal Wingman																	0
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0
Chris Bates	Inspector Aide	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		24	24	136	136	136	40						496
Chris Bates	Inspector Aide	Loyal Wingman	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	160	80											240
Chris Bates	Inspector Aide	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation													0

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

						TOTAL HOURS	160	104	24	136	136	136	40	0	0	0	0	0	736
TBD	Inspector Aide	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							16	16	80	160	160	80	512
TBD	Inspector Aide	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										80	160		240
TBD	Inspector Aide	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										80	40	160	280
						TOTAL HOURS	0	0	0	0	0	0	16	16	80	320	360	240	1032
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00369	33	AS2 and AS4 Ramp Modifications and Striping	4	20	16										40
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	EP-00TBD		QTA Pond Pipe Repair					8	32	32	16					88
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00410		Bridge 999953 Structural Rehabilitation									8	8	8		24
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	16					32
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	20	36
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								32	32	16	8		88
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										8	8	20	36
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							4	4	4	16	16		44
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	V-01031		ORL Airfield Beacon Replacement									2				2
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							16	16	16	16	16	16	96
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	288
						TOTAL HOURS	4	20	16	32	40	64	100	116	94	104	96	88	774
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	W-S00149	-	Terminal C Program	4	4	4	4	4	4	4	4	4	4	4	4	48
Lauren Brown	Project Coordinator	Loyal Wingman	Engineering	W-S00151 AMD1	15	MCO Terminal C Design and Project Oversight Services - Gate 241													0
Lauren Brown	Principal	Loyal Wingman	Environmental	W-00591	34	Staff Extension - FY26 Environmental	8	8	8	8	8	8	8	8	8	8	8	8	96
Lauren Brown	Principal	Loyal Wingman	-	-	32	Staff Extension - FY26 Constuction & Engineering	8	8	8	8	8	8	8	8	8	8	8	8	96
Lauren Brown	Senior Inspector	Loyal Wingman	Construction	Staff Ext		Staff Extension - FY26 AMD1 Constuction & Engineering						8	8	8	8	8	8	8	56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00384	24	Airside 1 Apron PCC Slab Rehabilitation	24	24	24										72
Lauren Brown	Principal	Loyal Wingman	Construction	H-00385	29	MCO Runway 17L-35R Lighting Improvements		8	8	8	8	8	8	8					56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00393	26	MCO Taxiway Bravo and Charlie Pavement rehabilitation	12												12
Lauren Brown	Principal	Loyal Wingman	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				40
Lauren Brown	Principal	Loyal Wingman	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	72
Lauren Brown	Principal	Loyal Wingman	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd									16	16	16	16	64
Lauren Brown	Principal	Loyal Wingman	Construction	H-00419	-	Pavement Repair TWY B1								16	16	16	8		56
Lauren Brown	Principal	Loyal Wingman	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										16	16	16	48
Lauren Brown	Principal	Loyal Wingman	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							8	8	8	8	8		40
Lauren Brown	Principal	Loyal Wingman	Construction	H-00TBD	-	MCO Pond Rehabilitation	16	32	32	32	32	32	32	32					240
Lauren Brown	Principal	Loyal Wingman	Construction	H-00TBD	-	ALCMS Fiber		8	8	8	8	8	8						48
Lauren Brown	Principal	Loyal Wingman	Construction	E-00270	-	AS 2 and AS 4 Fiber Connection							16	16	16	16	16	8	88
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		16	16	32	32	32	32	16					176
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	288
Lauren Brown	Principal	Loyal Wingman	Construction	EP-00TBD		QTA Pond Pipe Repair					8	16	16	16					56
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	BP-00498	4	Taxiways G &H Rehabilitation Phase 2	32	32											64
Lauren Brown	Principal	Loyal Wingman	Construction	H-00410		Bridge 999953 Structural Rehabilitation							2	2	2	2	2		10
Lauren Brown	Principal	Loyal Wingman	Construction	V-01031		ORL Airfield Beacon Replacement									2	2	2	2	8
Lauren Brown	Principal	Loyal Wingman	Construction	V-01113	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	48
Lauren Brown	Principal	Loyal Wingman	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	192
						TOTAL HOURS	104	140	108	132	140	156	230	238	192	192	184	158	1974
						Total Loyal Wingman Hours	948	1040	768	1204	1336	1280	1126	1310	1312	1844	1692	1097.1875	14957.1875

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

Subconsultants

Name	Position	Company	Sponsor	Project #		Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Carrie Company																			
Isadore Carrie	Sr. Project Manager	Carrie Company	Environmental	**W-00591**	**34**	Staff Extension - FY26 Environmental		44	48	48	48	48	48	48	48	44	44	44	**512**
Isadore Carrie	Sr. Project Manager	Carrie Company	-	-	**32**	Staff Extension - FY26 Constuction & Engineering	84	84	84	84	84	84	84	84	84	84	80	80	**1000**
Isadore Carrie	Sr. Project Manager	Carrie Company	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							12	32	32	32	32	16	**156**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation	8	16	20	4	4								**52**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00393**	**26**	MCO Taxiways Bravo and Charlie Pavement Repair	4												**4**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00395**	**27**	Terminal C Improvements	8	28	28	28	8	8	4						**112**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	12	12	**36**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**EP-00TBD**		QTA Pond Pipe Repair					8	16	8	8					**40**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							4	4	4	2	2		**16**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**V-01031**		ORL Airfield Beacon Replacement									4	4	4	4	**16**
Isadore Carrie	Sr. Project Manager	Carrie Company	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1													**0**
						TOTAL HOURS	**104**	**172**	**180**	**164**	**152**	**156**	**160**	**184**	**188**	**194**	**190**	**172**	**2016**
Zachary Schena	Assistant PM	Carrie Company	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		48	16										**64**
Zachary Schena	Assistant PM	Carrie Company	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	8	8	40	40		**104**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		40	80	80	80	80	40	16					**416**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work		20	80	80	80	40	40	40	40	120	160	160	**860**
Zachary Schena	Assistant PM	Carrie Company	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**160**	**148**	**176**	**160**	**160**	**120**	**88**	**64**	**48**	**160**	**200**	**160**	**1644**
Magaly Carrie	Project Coordinator	Carrie Company	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Kyle Jackson	Project Engineer	Carrie Company	Engineering			Staff Extension - FY26 AMD1 Constuction & Engineering							80	100	80	100	80	80	**520**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**H-00419**	-	Pavement Repair TWY B1								24	16	24	8		**72**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**V-01031**		Orl Airfield Beacon Replacement									8	8	8	8	**32**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							16	40	80	80	80	80	**376**
Kyle Jackson	Project Engineer	Carrie Company	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							8	16	16	4	4		**48**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**104**	**180**	**200**	**216**	**180**	**168**	**1048**
Akber Yassin	Project Coordinator	Carrie Company	Construction	**H-00392**	**30**	MCO Bridge 999954 Structural Rehabilitation	4	8	80	8	8								**108**
Akber Yassin	Project Coordinator	Carrie Company	Construction	**H-00395**	**27**	Terminal C Improvements	8	20	20	20	8	8	8						**92**
						TOTAL HOURS	**12**	**28**	**100**	**28**	**16**	**8**	**8**	**0**	**0**	**0**	**0**	**0**	**200**
GCI																			
Rich Dobbyn	Sr. Inspector	GCI	Construction	**H-00393**	**26**	TWY B Pavement Repair													**0**
Rich Dobbyn	Sr. Inspector	GCI	Construction	**EP-00TBD**		QTA Pond Pipe Repair						80	80						**160**
Rich Dobbyn	Sr. Inspector	GCI	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**160**	**40**	**0**	**0**	**0**	**80**	**80**	**0**	**0**	**0**	**0**	**0**	**360**
Landon Wilson	Safety Director	GCI	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	40												**40**
Landon Wilson	Safety Director	GCI	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1			16	40	40	40	40						**176**
Landon Wilson	Project Manager (Safety)	GCI	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work			16	32	64	64	65	64	64	64			**433**
						TOTAL HOURS	**40**	**0**	**32**	**72**	**104**	**104**	**105**	**64**	**64**	**64**	**0**	**0**	**649**
James McCuddy	Sr. Inspector	GCI	Construction	**H-00395**	**27**	Terminal C Improvements		5	5										**10**
						TOTAL HOURS	**0**	**5**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
Chace Construction Services																			
Jim Veretto	Senior Inspector	Chace	Construction	**H-00385**	**29**	Runway 17L Lighting		40	60	80	80	80							**340**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				**40**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Jim Veretto	Senior Inspector	Chace	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd													**0**
Jim Veretto	Senior Inspector	Chace	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1						80	40						**120**
Jim Veretto	Sr. Electrical Inspector	Chace	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work						120	160	160	160	160	160		**920**
Jim Veretto	Sr. Electrical Inspector	Chace	Construction	**V-01031**		Orl Airfield Beacon Replacement									2				**2**
Jim Veretto	Senior Inspector	Chace	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	167	70											**237**
						TOTAL HOURS	**167**	**110**	**60**	**80**	**80**	**280**	**208**	**184**	**194**	**176**	**176**	**16**	**1731**
Elipsis Engieering & Construction																			
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		100											**100**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	160	40											**200**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1				160	160	80	20						**420**
Michael Starr	Sr. Inspector	Elipsis	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work					160	160	160	160	160	160	160	80	**1200**
Michael Starr	Sr. Enginering Technician	Elipsis	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2													**0**

Greater Orlando Aviation Authority OAR Staffing

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						TOTAL HOURS	160	140	0	160	320	240	180	160	160	160	160	80	1920
Sandy Perez	Compliance	Elipsis	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1		20	20	40	40	40	40						200
Sandy Perez	Compliance	Elipsis	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				20	20	40	80	80	80	80	80		480
Sandy Perez	Compliance	Elipsis	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	80	40											120
						TOTAL HOURS	80	60	20	60	60	80	120	80	80	80	80	0	800
Ken Bechtel	Sr. Engineering Technician	Elipsis	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF											40		40
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	40	0	40
CMI																			
Bill White	Safety Director	CMI	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	40												40
						TOTAL HOURS	40	0	0	0	0	0	0	0	0	0	0	0	40
Orlando Project Controls																			
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	H-00395	27	Terminal C Improvements		4	4	4									12
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	H-00TBD	-	MCO Pond Restoration		16	16	16	16	16	16						96
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	H-00TBD	-	ALCMS Fiber	16	16	16	16									64
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00048	-	ORL East Ramp Rehabilitation Phase 1			24	24	24	24	24						120
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00050	21	ORL Runway 7-25 Rehabilitation and Related Work				40	24	24	24	24	24	24	24		208
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00498	4	Taxiways G & H Rehabilitation Phase 2	25												25
Bryan Quigley	Senior Scheduler	Orlando Project Controls	Construction	BP-00508	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	192
						TOTAL HOURS	41	36	60	100	64	64	96	56	56	56	56	32	717
Consor																			
David Hernandez	Senior Inspector	Consor	Construction	H-00392	30	MCO Bridge 999954 Structural Rehabilitation		8	120										128
David Hernandez	Senior Inspector	Consor	Construction	H-00TBD	-	MCO Pond Restoration											160	80	240
David Hernandez	Senior Inspector	Consor	Construction	EP-00TBD		QTA Pond Pipe Repair						160	140						300
David Hernandez	Senior Inspector	Consor	Construction	H-00410		Bridge 999953 Structural Rehabilitation									120				120
David Hernandez	Senior Inspector	Consor	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							4	160	80				244
David Hernandez	Senior Inspector	Consor	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										40	40	40	120
						TOTAL HOURS	0	8	120	0	0	160	144	160	200	40	200	120	1152
Paul Fabrizio	Senior Project Manager	Consor	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							16	80	64				160
Paul Fabrizio	Sr. Project Manager	Consor	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance						8	16	20	20	20	20		104
						TOTAL HOURS	0	0	0	0	0	8	32	100	84	20	20	0	264
TBD	Senior Inspector	Consor	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)													0
TBD	Senior Inspector	Consor	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF											160	40	200
						TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	160	40	200
On Point Surveying																			
Jake Rasberry	Project Manager	On Point Surveying	Construction	H-00414	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				40
Jake Rasberry	Project Manager	On Point Surveying	Construction	H-00417	-	Secure Road Rehab at Centerfield ARFF												30	30
						TOTAL HOURS	0	0	0	0	0	0	8	16	16	0	0	30	70
Adaptive																			
TBD	Sr. Inspector	Adaptive	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd											80		80
TBD	Sr. Inspector	Adaptive	Construction	H-00419	-	Pavement Repair TWY B1									40	80			120
TBD	Sr. Inspector	Adaptive	Construction	H-00421	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2											80	80	160
TBD	Sr. Inspector	Adaptive	Construction	H-00422	-	East Airfield Upland & Stormwater Maintenance							32	48	120	8			208
						TOTAL HOURS	0	0	0	0	0	0	32	48	160	88	160	80	568
TBD	Sr. Inspector	Adaptive	Construction	H-00418	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd											160		160
TBD	Sr. Inspector	Adaptive	Construction	H-00419	-	Pavement Repair TWY B1									40	120	40		200
						TOTAL HOURS	0	0	0	0	0	0	0	0	40	120	200	0	360
TBD	Inspector	Adaptive	Construction	H-00419	-	Pavement Repair TWY B1									20				20
						TOTAL HOURS	0	0	0	0	0	0	0	0	20	0	0	0	20
						Total Subcontracted Hours	964	747	753	824	956	1300	1365	1296	1510	1374	1822	898	13809

Published By: Carl Johansen
Reviewed By: Levent Ozpercin

MEMORANDUM

TO: Members of the Construction Committee

FROM: Tuan Nguyen, P.E. AVP of Engineering

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing On-Call Architecture and Engineering Consulting Services Agreement with C&S Engineers, Inc. for Plumbing Engineering Design Services for V-01108, North Terminal Airside Ramps Eyewash Stations at Orlando International Airport

BACKGROUND

On May 15, 2024, the Aviation Authority Board approved a Continuing On-Call Architecture and Engineering Consulting Services Agreement with C&S Engineers, Inc. at Orlando International Airport.

ISSUES

The consultant's proposal, dated April 2, 2026, is to assess existing conditions, and provide design and permitting services for the removal and installation of eye wash stations at North Terminal's Airsides 1, 2, 3 & 4 ramps.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☒ Current Workload
☒ Expertise ☒ Equitable Distribution ☐ Other:_____

SMALL BUSINESS

The small business participation has been reviewed by the Office of Business Opportunity & Exchange. The findings and recommendation are attached.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Operations and Maintenance Funds (301.413.212.5460001.000.100420). Funding source verified by Melvin Martinez of Finance on 04/23/26 as correct and available.

CC
ITEM IV-D
04/28/2026

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing On-Call Architecture and Engineering Consulting Services Agreement with C&S Engineers, Inc., for the services contained herein and the amount as shown below:

Not to Exceed Fees	$76,784.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$7,000.00
TOTAL	**$83,784.00**
Financial Auditor – Compliance Review Date	4/21/2026
Financial Auditor – Funding Eligibility Review Date	

REQ#103107

Greater Orlando Aviation Authority

Date:	*4/8/2026*	**CCM / PC:**	CCM
Requestor's Name:	*Tricia Cottman*	**Requestor's Extension:**	x2818
Form Preparer's Name:	*Carl Johansen*	**Preparer's Extension:**	x3152
Requestor's Department:	*Risk Management*	**Purchasing Solicitation #:**	
Description:	*V-01108*	**Committee Date:**	4/28/2026
Vendor:	**C&S Engineers, Inc.**	**Committee Agenda Item#:**	

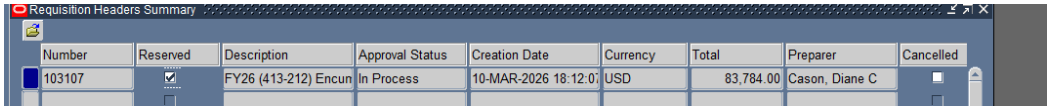
NON-PROJECT FUNDS: O&M

Account Code Format: xxx.xxx.xxx.xxxxxxx.xxx.xxxxxx	FY 26 Amount	FY 27 Amount	FY 28 Amount	FY 29 Amount	Total Contract
301.413.212.5460001.000.100420					-
					-
A/E Fees – Design	83,784.00				83,784.00
					-
					-
					-
					-
					-
					-
Total Requisition	83,784.00	-	-	-	83,784.00
BPA or Requisition Number	103107				

Andrea Harper

Funding Approver:

OMB Notes:



MEMORANDUM

DATE: April 28, 2026

TO: Members of the Construction Committee

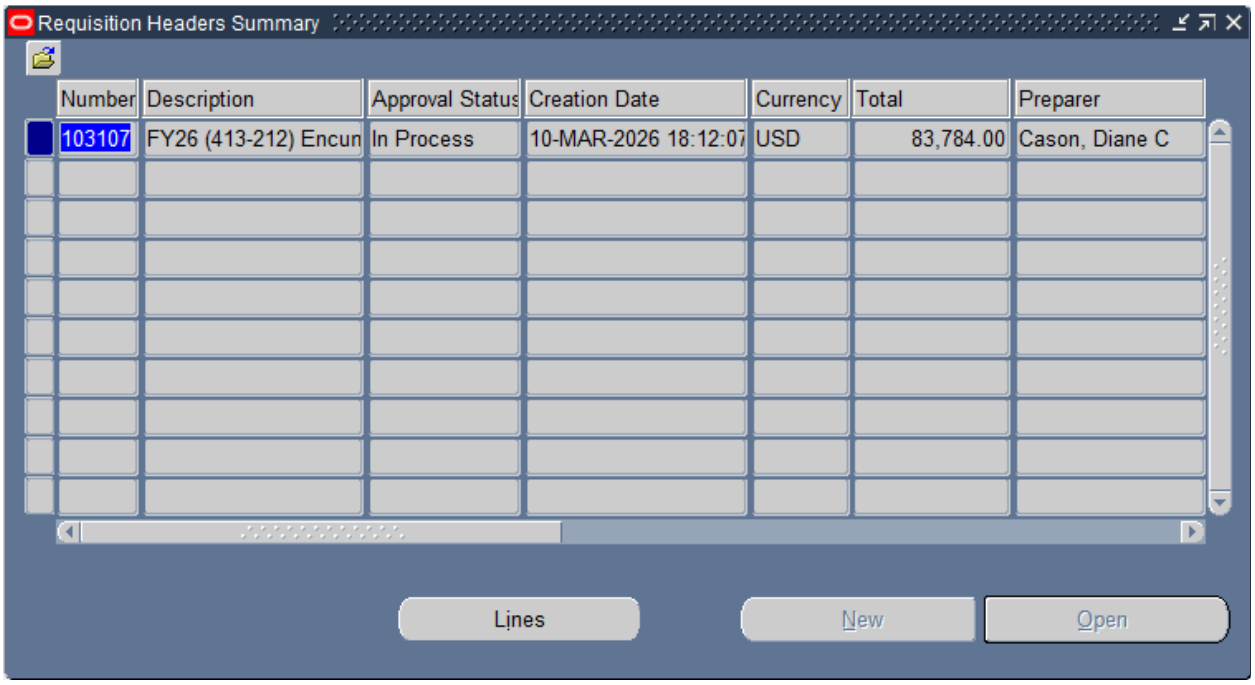
FROM: Amber Johnson, AVP, Business Opportunity & Exchange

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing On-Call Architecture and Engineering Consulting Services Agreement with C&S Engineers, Inc. for Plumbing Engineering Design Services for V-01108, North Terminal Airside Ramps Eye Wash Stations at Orlando International Airport.

SMALL BUSINESS

The Office of Business Opportunity and Exchange has reviewed the qualifications of the subject contract's LDB/VBE specifications and determined that LDB/VBE participation was not included in this addendum.


Requisition Headers Summary
Number
Description
Approval Status
Creation Date
Currency
Total
Preparer
103107
FY26 (413-212) Encun
In Process
10-MAR-2026 18:12:07
USD
83,784.00
Cason, Diane C
Lines
New
Open

PROJECT START-UP PACKAGE FOR V-01108-MCO

DATE: February 20, 2026

TO: Jeffrey Brown, Chief Development Officer

FROM: Carl Johansen, Manager of Strategic Projects

SUBJECT: **Project V-01108-MCO NORTH TERMINAL AIRSIDE RAMPS EYEWASH STATIONS**
Orlando International Airport
PROGRAM: Facilities Improvement Projects

PROJECT SCOPE:

SPONSORING DEPT: Airline Ops

Provide professional design services and an assessment of existing conditions for the proposed demolition, removal and installation of new eyewash stations at North Terminal, Airsides 1, 2, 3, & 4 ramps at the Orlando International Airport.

Proposed Delivery Method: Direct Negotiated Traditional
(Contract Type)

PROPOSED TEAM STRUCTURE:

GOAA Engineer PM:	Carl Johansen
GOAA Const PM:	Carl Johansen
A/E:	C&S Engineers, Inc.
OAR Design Phase:	TBD
OAR Design Contact:	TBD
OAR Const. Phase:	TBD
OAR Const. Contact:	TBD

ANTICIPATED SCHEDULE:

A/E - Committee Approval:	03/10/2026
A/E - Board Approval:	
A/E NTP:	03/24/2026
Final Design/DCP:	06/09/2026
Solicitation Release:	
Pre-Submittal:	
Bid/Submittal Due:	
Committee Approval:	
Board Approval:	
Control Execution:	
NTP (effective date):	
Substantial Completion:	**0 Calendar Days**
Final Completion:	**0 Calendar Days**

LIFE EXPECTANCY OF PROJECT: 20 Years

FUNDING SOURCE: O&M (Operations & Maintenance Fund)

FUNDING CODE: 301.413.212.5460001.000.100420

CIR #:

CIP Ref #:

CONTROL BUDGET:

Task	$ Amount	Comments
A/E Consultant Fees - Design Phase (Base)	$83,784.00	
A/E Consultant Fees - Construction Phase (Base)	$0.00	
Construction	$0.00	
OAR Fees - Design Phase	$0.00	
OAR Fees - Construction Phase	$0.00	
Miscellaneous	$0.00	
Contingency	$0.00	
TOTAL	**$83,784.00**	

PROJECT START-UP PACKAGE FOR V-01108-MCO

Federal /State Review:	TSA Review:	FM Global Project:
No	No	No

DRB (DISPUTE REVIEW BOARD):

DRB requirement IS NOT anticipated.

SYSTEMS / AREAS AFFECTED:

Plumbing Plumbing

ANTICIPATED PERMITS:

PERMITS

Agency :	Type Of Permit:
City of Orlando	

PROJECT START-UP PACKAGE FOR V-01108-MCO

REVIEWED BY:

PROJECT MANAGERS:

Carl Johansen

Date: 10 March 2026

Carl Johansen,Manager of Strategic Projects

Derek McSween

Date: 10 March 2026

Derek McSween,AVP, Project Management

ENGINEERING & CONSTRUCTION SENIOR STAFF:

Scott Shedek

Date: Mar 13, 2026

Scott Shedek P.E.,Vice President of Construction

If signing as a Temporary Designee, attach a copy of authorization memo (or e-mail)

April 2, 2026

Tuan Nguyen, PE
Assistant Vice President, Engineering
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, FL 32824
321-200-3463
tnguyen@goaa.org

Re: Airside Ramp Eyewash Additions (REVISED)

File: L94.MKT

Tuan,

We have been requested by GOAA to provide plumbing engineering design services related to the addition of hard-piped eyewash stations at each gate serving Terminals A and B. The following proposal outlines our project understanding and effort required.

PROJECT UNDERSTANDING

Current airline tenants provide their own eyewash stations at each gate, and in the past have taken responsibility for maintenance. The airport wishes to develop a standard maintenance program for eyewash stations, and to provide consistent facilities at each gate to serve any tenant equally. The eyewash stations will be hard piped to the domestic cold-water lines that serve each gate water cabinet, and will be modeled after the installations at the Terminal C gates.

SCOPE OF SERVICES

After reviewing existing documentation, C&S will visit each gate at the ramp level to understand existing conditions and confirm that a standard approach can be employed at each gate. Additionally, C&S will provide demolition drawings for current eyewash stations, and details for minor architectural repairs necessitated by the removal of old equipment. C&S will provide typical details and photos sufficient to communicate to bidders the intended plumbing scope.

PROJECT APPROACH & DELIVERY

C&S will approach the project in the key phases tabulated below. C&S acknowledges the importance of the Project Schedule to the Client and agrees to put forth reasonable efforts in performing the services under this proposal with due diligence in a manner consistent with the durations listed below. The Client agrees that C&S' performance must be governed by sound professional practices. The Project Schedule shall be equitably adjusted as the project progresses, allowing for changes in scope caused by unknown conditions, character or size of the project as verbally requested or in-writing by the Client and/or for delays or other causes beyond C&S' reasonable control.

PHASE	DURATION	DELIVERABLE(S) / SERVICES
Preliminary Design	4 weeks	• Review existing drawings • Visit each gate and photograph existing conditions
Design Development (60% CD)	3 weeks	• Develop architectural backgrounds and plumbing drawings • Develop plumbing installation details • Begin editing specifications • Attend review meeting with GOAA • Update opinion of probable cost
Construction Documents (95% CD)	2 weeks	• Finalize drawings • Finalize specifications • Finalize opinion of probable cost
Permit Phase	4 weeks	• Submit electronic drawings to the City of Orlando • Pay deposit on permit fee • Respond to plan review comments • Incorporate plan review comments into contract drawings

The Client agrees that C&S is not responsible for the Project Schedule or damages arising directly or indirectly from any delays for causes beyond C&S' control. For purposes of this proposal, such causes include but are not limited to the accuracy of the information provided by the Owner, the Owner's representative and/or others, the Client, the failure of performance by the Client, the Client's representative, the Municipalities having jurisdiction over the project, all unknown conditions, emergencies, security and / or acts of God.

ASSUMPTIONS

1. C&S will be able to access all gate areas at ramp level
2. C&S will be able to access spaces within the airside buildings at the ramp level to investigate existing plumbing lines

EXCLUSIONS / ADDITIONAL SERVICES

Additional scope items will be handled on a case-by-case basis and will incur additional fees. At a minimum, the following items are excluded from the scope of work:

1. All services not explicitly discussed herein are excluded from these efforts.
2. Deliverables at Schematic Design (30% CD) is excluded from this proposal. Per meeting with stakeholders on 10/20/25, design will skip straight to 60% CD.

COMPENSATION

We propose to perform this scope on a NOT TO EXCEED BASIS of $83,784, tabulated in the attached c-tables. C&S' efforts shall be compensated per the rates tabulated below. Additionally, C&S has budgeted $7,000 for NOT TO EXCEED REIMBURSEABLE EXPENSES related to permitting fees.

Position	Hourly Rate
Department Manager	$272
Managing Engineer	$225
Principal Architect	$225
Principal Engineer	$222
Chief Engineer	$199
Senior Project Engineer	$194
Senior Project Designer	$168
Project Engineer	$162
Architect	$146
Engineer	$140
Designer	$140
Interior Designer	$139
Senior Designer	$123
Staff Engineer	$120
Administrative	$108
Design Technician	$91
Travel Premium	$40

The terms and conditions governing the performance of and payment for our services proposed herein, including respective responsibilities and other pertinent matters, are set forth in C&S' Agreement for Continuing On-Call Architecture and Engineering Consulting Services, dated May 15, 2024 and formally executed on June 19, 2024.

This proposal constitutes the entire agreement between C&S and you with respect to the subject matter and supersedes all prior and contemporaneous written or oral understandings with respect to that subject matter. This proposal may be amended, supplemented, modified, or canceled only by a written instrument signed by both parties. If this proposal, together with its description of services to be rendered, and fee set forth herein meet with your approval, kindly acknowledge via formal written communication (e.g. e-mail). This proposal will remain open for acceptance for 60 calendar days from the date of this letter unless such date is modified by C&S in writing."

Sincerely,

Bryn R. Currie, PE
Service Group Manager
C&S Engineers, Inc.

TRUTH IN NEGOTIATION CERTIFICATION

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Greater Orlando Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Greater Orlando Aviation Authority, whichever is later.

Consultant: C&S ENGINEERS, INC

By:

Print Name: BRYN R. CURRIE, PE

Date: 2/10/2026

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE

Phase of Project:	Preliminary Design	Schematic 30%	Development 60%	Const. Docs. 95%	Bidding & Award	SUBTOTAL	Const. Admin.	Record Documents	TOTAL CONTRACT
1.0 Lump Sum Fee:	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
2.0 Not to Exceed Reimbursable Fee:	$26,424	$0	$22,484	$27,876	$0	$76,784	$0	$0	**$76,784**
3.0 Not to Exceed Reimbursable Expenses:	$0	$0	$0	$7,000	$0	$7,000	$0	$0	**$7,000**
4.0 TOTAL CONTRACT VALUE:	**$26,424**	**$0**	**$22,484**	**$34,876**	**$0**	**$83,784**	**$0**	**$0**	**$83,784**

Total Lump Sum Labor Hours:	0	0	0	0	0	0	0	0	**0**
Total Not to Exceed Reimbursable Labor Hours:	174	0	134	158	0	466	0	0	**466**
TOTAL LABOR HOURS:	**174**	**0**	**134**	**158**	**0**	**466**	**0**	**0**	**466**
Average Hourly Rate:	$152	$0	$168	$221	$0	$180	$0	$0	$180

Notes:
1. The lump sum cells in Table C-1 are linked to Table C-2 values
2. The Not to Exceed cells in Table C-1 are linked to Table C-4 values
3. The linked cells are based on a maximum of 5 subconsultants; if more than 5 are included enter all values manually.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

Phase of Project:	Preliminary Design		Schematic (30%)		Development (60%)		Const. Docs. (95%)		Bidding & Award		Const. Admin.		Record Documents		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Consultant - C&S																	
Not to Exceed Reimbursable Fee	174	$26,424	0	$0	134	$22,484	158	$27,876	0	$0	0	$0	0	$0	466	$76,784	165
Not to Exceed Reimbursable Expenses		$0		$0		$0		$7,000		$0		$0		$0		$7,000	0
Sub-Total Designer	**174**	**$26,424**	**0**	**$0**	**134**	**$22,484**	**158**	**$34,876**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**466**	**$83,784**	180
Subconsultant No. 1 - SUB																	0
Not to Exceed Reimbursable Fee	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Not to Exceed Reimbursable Expenses		$0		$0		$0		$0		$0		$0		$0		$0	0
Sub-Total Subconsultant No. 1	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Total Not to Exceed Amount:	**174**	**$26,424**	**0**	**$0**	**134**	**$22,484**	**158**	**$34,876**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**466**	**$83,784**	180

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position: C&S Engineers, Inc.	Department Manager		Senior Project Engineer		Project Engineer		Architect		Engineer		Designer		TOTAL		
Rate ($/Hour):	$272.00		$194.00		$162.00		$146.00		$140.00		$140.00				Avg. Hourly
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Preliminary Design															
Review of Record Drawings & Documents	2	$544	0	$0	0	$0	4	$584	24	$3,360	0	$0	30	$4,488	$150
Verification of Existing Conditions	8	$2,176	0	$0	24	$3,888	32	$4,672	80	$11,200	0	$0	144	$21,936	$152
Preliminary Engineering Report	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Surveying	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Geotechnical Investigation & Analysis	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Preliminary Design	**10**	**$2,720**	**0**	**$0**	**24**	**$3,888**	**36**	**$5,256**	**104**	**$14,560**	**0**	**$0**	**174**	**$26,424**	**$152**
Schematic Design (30%)															$0
Prepare Preliminary Drawings	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Prepare Preliminary Specifications	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Surveying	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Geotechnical Investigation & Analysis	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Update/Reconcile Opinion of Probable Const. Cost	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Schematic Design (30%)	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0**
Design Development (60%)															$0
Develop Drawings	4	$1,088	2	$388	4	$648	8	$1,168	64	$8,960	20	$2,800	102	$15,052	$148
Develop Specifications	12	$3,264	0	$0	0	$0	8	$1,168	2	$280	0	$0	22	$4,712	$214
Prepare Construction Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Update/Reconcile Opinion of Probable Const. Cost	10	$2,720	0	$0	0	$0	0	$0	0	$0	0	$0	10	$2,720	$272
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Design Development (60%)	**26**	**$7,072**	**2**	**$388**	**4**	**$648**	**16**	**$2,336**	**66**	**$9,240**	**20**	**$2,800**	**134**	**$22,484**	**$168**
Construction Documents (95%)															$0
Complete Drawings	2	$544	8	$1,552	0	$0	4	$584	32	$4,480	20	$2,800	66	$9,960	$151
Complete Specifications	8	$2,176	0	$0	0	$0	8	$1,168	2	$280	0	$0	18	$3,624	$201
Complete Construction Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Update/Reconcile Opinion of Probable Const. Cost	8	$2,176	0	$0	0	$0	0	$0	0	$0	0	$0	8	$2,176	$272
Permitting Process	16	$4,352	10	$1,940	8	$1,296	8	$1,168	4	$560	20	$2,800	66	$12,116	$184
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Construction Documents (95%)	**34**	**$9,248**	**18**	**$3,492**	**8**	**$1,296**	**20**	**$2,920**	**38**	**$5,320**	**40**	**$5,600**	**158**	**$27,876**	**$176**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position: C&S Engineers, Inc.	Department Manager		Senior Project Engineer		Project Engineer		Architect		Engineer		Designer		TOTAL		
Rate ($/Hour):	$272.00		$194.00		$162.00		$146.00		$140.00		$140.00				Avg. Hourly
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Bidding and Award															$0
Resolve 95% Comments on Drawings/ Specs/Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Prepare/Reproduce/Distribute Bid Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Prepare/Reproduce/Distribute Bid Addenda	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Attend/Minute Pre-Bid Meeting	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Attend/Minute Bid Opening	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Prepare Bid Tabulation/Recommendation	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Bidding and Award	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0**
Construction Administration															$0
Prepare/Reproduce/Distribute Conformed Documents/Drawings	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Attend Pre-NTP Meeting	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Attend Pre-Construction Conference	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Attend JCMs	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Site Visits/Check As-Builts/Site Visit Reports	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Review Contractor's Submittals	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Review Contractor's Invoices	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Review C.O.s	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Substantial Completion Inspection	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Final Completion Inspection	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Construction Administration	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0**
Closeout															$0
Prepare Record Drawings/Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0
Sub-Total Closeout	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0**
TOTAL NOT TO EXCEED REIMBURSABLE FEE:	**70**	**$19,040**	**20**	**$3,880**	**36**	**$5,832**	**72**	**$10,512**	**208**	**$29,120**	**60**	**$8,400**	**466**	**$76,784**	**$165**

NOTES:

1. A separate spreadsheet is required for each consultant/subconsultant with any portion of it's services to be compensated on a not to exceed reimbursable basis.
2. Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES

REIMBURSABLE EXPENSES

A complete breakdown of estimated reimbursable expenses, if any, which will be compensated on a not to exceed reimbursable basis, shall be included in this section. The Consultant may use any format for this breakdown, provided that it clearly defines the basis for the not to exceed amount. A breakdown of each subconsultant's expenses is also required.

Consultant - C&S

Preliminary Design

A.	Travel, By Auto:							
	0	Trips @	25	Miles / Trip @	$ 0.545	=	$	-
B.	Travel, By Air:							
	0	Trips @	0	Persons @	$ -	=	$	-
C.	Per Diem							
	0	Days @	0	Persons @	$ 144.00	=	$	-
D.	Tolls:					=	$	-
E.	Parking:					=	$	-
F.	Miscellaneous:					=	$	-
					Total Estimate of Direct Expenses:		$	-

Schematic (30%)

A.	Travel, By Auto:							
	0	Trips @	25	Miles / Trip @	$ 0.545	=	$	-
B.	Travel, By Air:							
	0	Trips @	0	Persons @	$ -	=	$	-
C.	Per Diem							
	0	Days @	0	Persons @	$ 144.00	=	$	-
D.	Tolls:					=	$	-
E.	Parking:					=	$	-
F.	Miscellaneous:					=	$	-
					Total Estimate of Direct Expenses:		$	-

Development (60%)

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES

A.	Travel, By Auto:										
	0	Trips @	25	Miles / Trip @	$ 0.545	=	$	-			
B.	Travel, By Air:										
	0	Trips @	0	Persons @	$ -	=	$	-			
C.	Per Diem		8			4					20
	0	Days @	0	Persons @	$ 144.00	=	$	-			
D.	Tolls:					=	$	-			
E.	Parking:					=	$	-			
F.	Miscellaneous:					=	$	-			
					Total Estimate of Direct Expenses:		$	-			
Const. Docs. (95%)											
A.	Travel, By Auto:										
	0	Trips @	25	Miles / Trip @	$ 0.545	=	$	-			
B.	0		0			0			0		0
	0	Trips @	0	Persons @	$ -	=	$	-			
C.	0										
	0	Days @	0	Persons @	$ 144.00	=	$	-			
D.	Tolls:					=	$	-			
E.	Parking:					=	$	-			
F.	Permit Fees:					=	$	7,000.00			
					Total Estimate of Direct Expenses:		$	7,000.00			
Bidding & Award											
A.	Travel, By Auto:										
	0	Trips @	25	Miles / Trip @	$ 0.545	=	$	-			
B.	Travel, By Air:										
	0	Trips @	0	Persons @	$ -	=	$	-			
C.	Per Diem										
	0	Days @	0	Persons @	$ 144.00	=	$	-			
D.	Tolls:					=	$	-			
E.	Parking:					=	$	-			
F.	Miscellaneous:					=	$	-			
					Total Estimate of Direct Expenses:		$	-			
Const. Admin.											
A.	Travel, By Auto:										

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES

	0	Trips @	25	Miles / Trip @	$	0.545	=	$	-
B.	Travel, By Air:								
	0	Trips @	0	Persons @	$	-	=	$	-
C.	Per Diem								
	0	Days @	0	Persons @	$	144.00	=	$	-
D.	Tolls:						=	$	-
E.	Parking:						=	$	-
F.	Miscellaneous:						=	$	-
							Total Estimate of Direct Expenses:	$	-

Record Documents

A.	Travel, By Auto:								
	0	Trips @	25	Miles / Trip @	$	0.545	=	$	-
B.	Travel, By Air:								
	0	Trips @	0	Persons @	$	-	=	$	-
C.	Per Diem								
	0	Days @	0	Persons @	$	144.00	=	$	-
D.	Tolls:						=	$	-
E.	Parking:						=	$	-
F.	Miscellaneous:						=	$	-
							Total Estimate of Direct Expenses:	$	-

Subconsultant No. 1 - SUB
Subconsultant No. 2 -
Subconsultant No. 3 -
Subconsultant No. 4 -
Subconsultant No. 5 -

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-8
LIST OF ANTICIPATED DRAWINGS SHEETS

DRAWING DESCRIPTION	NO. OF SHEETS	CONSULTANT
GENERAL SHEETS	2	C&S
DETAILS / PHOTO REFERENCES	3	C&S
PLUMBING SHEETS	20	C&S
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
XXXXX		
TOTAL:	25	

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-9
CONTRACT HOURLY RATES

All amounts invoiced by the Consultant as Reimbursable Fees shall be calculated on the basis of the actual number of hours of services rendered under this Agreement by each of the positions defined and by the new positions as identified below, multiplied by the corresponding Contract Hourly Rate, up to the Not to Exceed limit defined by the Agreement. Include information on positions held by both the design consultant and each subconsultant.

FIRM	POSITION	CONTRACT HOURLY RATE
C&S Engineers, Inc.		
C&S	Department Manager	$272.00
Prime	Senior Project Engineer	$194.00
	Project Engineer	$162.00
	Architect	$146.00
	Engineer	$140.00
	Designer	$140.00
	Staff Engineer	$120.00
Subconsultant No. 01		
SUB		

Published By: Kyle Jackson
Reviewed By: Isadore Carrie

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, P.E., Vice President of Construction

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects Agreement with Loyal Wingman, LLC for Construction Phase Owner's Authorized Representative (OAR) Services for V-01113 Airside 1-4 APM Headache Bars (D/B) at Orlando International Airport

BACKGROUND

On February 21, 2024, the Aviation Authority Board approved an agreement with Loyal Wingman, LLC for the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects at the Orlando International and Orlando Executive Airports.

ISSUES

Consultant's proposal, dated April 10th, 2026, is to provide Construction Phase Owner's Authorized Representative (OAR) Services for the V-01113 AS 1-4 APM Headache Bars project. The scope of the services will be to provide the Authority with design management, project management, and inspection services during the design, construction, and closeout phases. The project scope is to install concussion bar structures at Airsides 1, 2, 3, and 4 to protect the APM Infrastructure.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience	☒ Available Personnel	☐ Current Workload
☒ Expertise	☐ Equitable Distribution	☐ Other:_____

SMALL BUSINESS

The small business participation has been reviewed by the Office of Business Opportunity & Exchange. The findings and recommendations are attached.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from previously approved Operations & Maintenance Fund (O&M). Funding source verified by Melvin Martinez of Finance on 04 / 23 / 26 as correct and available.

CC
ITEM IV-E
04/28/2026

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects agreement with Loyal Wingman, LLC for the services contained herein and the amount as shown below:

Not to Exceed Fees	$120,256.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$15,000.00
TOTAL	**$135,256.00**
Financial Auditor – Compliance Review Date	SJ 04/22/26
Financial Auditor – Funding Eligibility Review Date	

MEMORANDUM

DATE: April 28, 2026

TO: Members of the Construction Committee

FROM: Amber Johnson, AVP, Business Opportunity and Exchange

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services forAirfield, Horizontal Construction Projects Agreement with Loyal Wingman, LLC forConstruction Phase Owner's Authorize (OAR) Services for V-01113 AS 1-4 APMHeadache Bars at Orlando International Airport.

SMALL BUSINESS

The Office of Business Opportunity & Exchange has reviewed the subject contract's LDB/VBE specifications, and Loyal Wingman,LLC proposes 48% LDB participation in this addendum.

LDB& VBE UTILIZATION FORM FOR NON-FEDERALLY FUNDED PROJECTS
PLEASE COMPLETE THIS FORM

This form should be used to report Construction and Engineering /Professional Services activities.

Name of Airport: **Orlando International Airport** Telephone No: **(407) 825-7179**

Address: **One Jeff Fuqua Boulevard, Orlando, FL 32827**

Project Name & Number: **Request for Approval of an Addendum to the Continuing Program and Project Management Services forAirfield, Roadway, and Horizontal Construction Projects Agreement with Loyal Wingman, LLC forConstruction Phase Owner's Authorized Representative (OAR) Services for V-01113 AS 1-4 APMHeadache Bars at Orlando International Airport.**

1. Construction Information:

Addendum Amount:

2. LDB/VBE Goal by Group Representation:

Asian Pacific American		Actual Result	
Asian Subcontinent American		Actual Result	
Black American		Actual Result	
Caucasian Female American		Actual Result	
Hispanic American		Actual Result	
Native American		Actual Result	
Other		Actual Result	
Total LDB/VBE Participation	-	**Actual Result**	0.0%

3.a. Prime Contractor Information:

Name:
Address:
City, State, Zip:
Telephone:

3.b. Name and Address of Subcontractor

Name:
Address:
City, State, Zip:
Telephone:

3.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

4. Engineering/Professional Services Information:

Addendum Amount: **$135,256.00**

5. LDB/VBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	65,488.00	Actual Result	48%
Caucasian Female American		Actual Result	0%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total LDB/VBE Participation		**Actual Result**	0%

6.b. Engineering / Professional Service Firm Information:

Name: **Loyal Wingman,LLC**
Address: **2118 Hoffner Avenue**
City, State, Zip: **Belle Isle, FL 32809**
Telephone:

6.b. Name and Address of Subconsultant

Name: **Please see attached**
Address:
City, State, Zip:
Telephone:

6.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%)

LDB&VBE Subcontractor/Subconsultant Certification

Project Name & Number: **Request for Approval of an Addendum to the Continuing Program and Project Management Services forAirfield, Roadway, and Horizontal Construction Projects Agreement with Loyal Wingman, LLC forConstruction Phase Owner's Authorized Representative (OAR) Services for V-01113 AS 1-4 APMHeadache Bars at Orlando International Airport.**

Prime Firm: **Loyal Wingman,LLC**

Addendum Amount: **$135,256.00**

Company Name	**Carrie Company**		
Address	89 Alafaya Woods Bvld		
City, State, Zip	Oviedo, FL 32765		
Phone	504-444-1550		
Identity	Black American		
LDB or VBE ?	LDB		
Work Item	Project Engineer		
Amount of Subcontract	$65,488.00		
Percentage	48.4%		
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
Company Name			
Address			
City, State, Zip			
Phone			
Identity			
Work Item			
Amount of Subcontract			
Percentage			
		$65,488.00	**48%**
		$135,256.00	

Anna Lauren Brown
lauren@theloyalwingman.com
2118 Hoffner Avenue
Belle Isle, FL 32809

April 10th, 2026

Mr. Scott Shedek, P.E.
Vice President of Construction
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

Subject: V-01113 AS 1-4 APM Headache Bars (D/B)
Owner's Authorized Representative (OAR) Construction Proposal
Orlando International Airport

Dear Mr. Nguyen,

Loyal Wingman, LLC, is pleased to submit this proposal to render OAR services under the Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects Agreement for the above-referenced project.

Project Description

The **V-01113 AS 1-4 APM Headache Bars** project installs concussion bar structures to protect the APM infrastructure from collisions and damage, preventing any emergency outages. The project is established as a design-build that also includes City of Orlando Permitting. This project will be fast-paced, and investigating the pre-existing conditions is the most critical piece to meeting the schedule, as the design team will have to design their drilled shafts around the existing utilities. The width and height of each structure will vary by location.

These site civil improvements are designed to increase customer satisfaction and operational efficiency, addressing the needs of both end-users and maintenance teams. The enhancements align with the Executive Airport's commitment to delivering superior travel experience and operational excellence.

Services

Our Scope of Services will be to represent the Aviation Authority by providing OAR services during the OAR Construction Phase Services. The services for this project will be performed in accordance

with the provisions of GOAA's Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects contract and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

Fee Summary
Based on the attached worksheets, our anticipated staffing plan adds up to a total Not to Exceed Fee distributed as follows:

Not to Exceed Professional Fees	$110,492.00
Not to Exceed Professional Fees (Closeout)	$9,764.00
Not to Exceed Reimbursable Expenses	$15,000.00
Total	**$135,256.00**

Our fee is based on regular time for our management personnel at our currently approved billing rates.

Small Business Participation
Loyal Wingman has strong relationships with several small business partners. For this project, Carrie Company, a Certified LDB, will be awarded an estimated $65,488.00 (48.42% of our OAR fee) to handle day-to-day coordination and oversight of the OAR Design and Construction Phase Services. We are proud to collaborate with Carrie Company and are confident we can deliver a successful project together.

Payment
We will invoice in accordance with the terms of our contract with the Aviation Authority.

We appreciate the opportunity to present this proposal, and we look forward to working with GOAA on this most important project. Should you have any questions or if we may be of further assistance, do not hesitate to reach out to us.

For the mission,

A. Lauren Brown

A. Lauren Brown
President/Operations Manager
Loyal Wingman, LLC.

V-01113 Airsides 1-4 APM Headache Bars (D/B)

Project Consists of the installation of 12 concussion bars to protect the APM structures from collusion. The concussion bars will be installed over the service and tug roads at airside 1, 2, 3, and 4. This project is set to be a design build project which includes city permitting.

STAFFING SCHEDULE - Total

SCHEDULE: OAR CONSTRUCTION SERVICES

			NTP	Estimated 90 days of Design Phase							Start Date	Completion Date			
PHASE	**Duration**	**DESCRIPTION**	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26					
Project Design and development	**60**	**Develop design and procure materials, permitting if needed**									4/28/26	6/27/26			
Construction	**90**	**Construction phase**									6/27/26	9/25/26			
Final Completion/ Closeout	**20**	**Close out**									9/10/26	9/30/26			
Professional Services			NTP	Estimated 90 days of Design Phase							Total Hours	Hourly Rates	Total $	Small Business participation %	Category
ROLE	**Company**	**INDIVIDUAL**	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26					
Senior Project Manager	Loyal Wingman	**Ben Brown**		8	8	8	8	8	8		48	$ 213.00	$ 10,224.00		
Senior Project Manager	Carrie Company	**Isadore Carrie**		12	32	32	32	32	16		156	$ 186.00	$ 29,016.00	21.45%	LDB
Project Engineer	Carrie Company	**Kyle Jackson**		16	40	80	80	80	80		376	$ 97.00	$ 36,472.00	26.97%	LDB
Inspector	Loyal Wingman	**TBD LW Inspector**		16	16	80	160	160	80		512	$ 63.00	$ 32,256.00		
Project Coordinator	Loyal Wingman	**Lauren Baker**		16	16	16	16	16	16		96	$ 77.00	$ 7,392.00		
Principal	Loyal Wingman	**Lauren Brown**		8	8	8	8	8	8		48	$ 102.00	$ 4,896.00		
											0				
											0				
											0				
TOTAL STAFF HOURS			**0**	**76**	**120**	**224**	**304**	**304**	**208**	**0**	**1236**		**$120,256.00**		
Reimbursable Expenses															
Lab Services	**Elipsis Engineering**										1	**$ 15,000.00**	$ 15,000.00		
Total support services													**$ 15,000.00**	Total LDB	
TOTAL OAR FEE NTE													**$135,256.00**	**48.42%**	

1236 check hours

ANTICIPATED MEETINGS: Field Kick off meeting, pre-construction conference, weekly design phase meetings, focused TRT meeting with operations staff and stakeholders like Brightline, Bi-weekly job Coordination Meetings,

V-01113 Airsides 1-4 APM Headache Bars (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

Construction Phase OAR Estimated Reimbursable Expenses

Item #	Firm	Description	Qty	Unit Cost	Total Cost
1		Lab Services	1	$15,000.00	$15,000.00
ESTIMATED TOTAL REIMBURSABLE EXPENSES					**$15,000.00**

V-01113 Airsides 1-4 APM Headache Bars (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

OAR Staffing Man-hours

Role	Name	Firm	Hourly Rate ($)	Total Hours	Total Fee ($)
Inspector	TBD LW Inspector	Loyal Wingman	$ 63.00	512	$ 32,256.00
Project Coordinator	Lauren Baker	Loyal Wingman	$ 77.00	96	$ 7,392.00
Principal	Lauren Brown	Loyal Wingman	$ 102.00	48	$ 4,896.00
Senior Project Manager	Ben Brown	Loyal Wingman	$ 213.00	48	$ 10,224.00

Subtotal Prime					**$ 54,768.00**
Subcontractors / Reimbursable					
Senior Project Manager	Isadore Carrie	Carrie Company	$ 186.00	156	$ 29,016.00
Project Engineer	Kyle Jackson	Carrie Company	$ 97.00	376	$ 36,472.00
TOTAL STAFF HOURS					65,488
Reimbursable Expenses		(See detail)			$15,000.00
Subtotal Sub-consultants					**$80,488.00**
TOTAL FEE					**$ 135,256.00**

V-01113 Airsides 1-4 APM Headache Bars (D/B)

Loyal Wingman, LLC Agreement for Continuing Program and Project Management Services for Airfield, Roadway, and Horizontal Construction Projects

TABLE C-7a VBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	VBE CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
					0.00%
TOTAL PROPOSED PARTICIPATION				**$0.00**	**0.00%**

TABLE C-7b LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	LDB CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Carrie Company		LDB		$65,488.00	48.4%
TOTAL PROPOSED PARTICIPATION				**$65,488.00**	**48.4%**

Date: 04/06/2026

Client: Loyal Wingman

Project: V-01113 AS 1-4 APM Headache Bars

Authored by: Isadore Carrie III

Proposal #: 10-2604

CARRIE COMPANY

Mrs. Lauren Brown - President
Loyal Wingman, LLC
2118 Hoffner Ave.
Orlando, FL 32809

Re: **Carrie Company Price Proposal**
Owner Authorized Representative (OAR) Construction Management Services

Dear Mrs. Brown,

Carrie Company is excited to submit this proposal to support the OAR Construction Management services for the V-01113 AS 1-4 APM Headache Bars Project.

PROFESSIONAL SERVICE FEE

With Anticipation that the services will begin in April - Carrie Company offers the following staff and rate on a not-to-exceed basis:

V-01113 AS 1-4 APM Headache Bars PROPOSED HOURS AND PERSONNEL

Position	Submitted Personnel	Proposed Rate	Total Hours	Value
Senior Project Manager	Isadore Carrie III, P.E.	$ 186.00	156.00	$ 29,016.00
Project Engineer	Kyle Jackson	$ 97.00	376.00	$ 36,472.00
			Total Value	**$ 65,488.00**

Sincerely,

Isadore Carrie III, P.E.
Senior Project Manager

Date: 04/06/2026

Client: Loyal Wingman

Project: V-01113 AS 1-4 APM Headache Bars

Authored by: Isadore Carrie III

Proposal #: 10-2604

CARRIE COMPANY

V-01113 AS 1-4 APM Headache Bars VALUE

Month		1	2	3	4	5	6		
Position	Submitted Personnel	April-26	May-26	June-26	July-26	August-26	September-26		Total
Senior Project Manager	Isadore Carrie III, P.E.	$ 2,232.00	$ 5,952.00	$ 5,952.00	$ 5,952.00	$ 5,952.00	$ 2,976.00		$ 29,016.00
Project Engineer	Kyle Jackson	$ 1,552.00	$ 3,880.00	$ 7,760.00	$ 7,760.00	$ 7,760.00	$ 7,760.00		$ 36,472.00
Proposed Total		**$ 3,784.00**	**$ 9,832.00**	**$ 13,712.00**	**$ 13,712.00**	**$ 13,712.00**	**$ 10,736.00**		**$ 65,488.00**

V-01113 AS 1-4 APM Headache Bars PROPOSED HOURS

Position	Submitted Personnel	April-26	May-26	June-26	July-26	August-26	September-26		Total
Senior Project Manager	Isadore Carrie III, P.E.	12.00	32.00	32.00	32.00	32.00	16.00		156
Project Engineer	Kyle Jackson	16.00	40.00	80.00	80.00	80.00	80.00		376
Proposed Total		**28.00**	**72.00**	**112.00**	**112.00**	**112.00**	**96.00**		**532.00**

530 S. Main Street, Winter Garden, FL 34787
407-982-7275, contracts@elipsisec.com

Date: 4/15/2026
To: Loyal Wingman
Attn: Lauren Brown
2118 Hoffner Ave., Belle Isle, FL 32809

Proposal Cost Estimate
V-01113 A1-4 Headache Bars Staffing Plan
EEC PRO 212

Description	Estimated Quantity	Unit	Unit Rate	Estimated Cost
Atterberg Limits	unit rate	Each	$150.00	
Sieve Analysis	unit rate	Each	$75.00	
Percent Fines (Wash 200)	unit rate	Each	$50.00	
Hydrometer Analysis	unit rate	Each	$95.00	
Organic Content Determination	unit rate	Test	$60.00	
Moisutre Content	unit rate	Test	$50.00	
FM 5-550 Soils pH Soil or Water	unit rate	Test	$60.00	
FM 5-551 Soils Resistivity Soil or Water	unit rate	Test	$65.00	
FM 5-552 Soils Chloride Soil or Water	unit rate	Test	$75.00	
FM 5-553 Soils Sulfate Soil or Water	unit rate	Test	$65.00	
FM 5-515 Limerock Bearing Ratio	unit rate	Each	$400.00	
T99 Standard Proctor or T180 Modified Proctor	unit rate	Each	$130.00	
ASTM C109 Concrete Compressive Strength & Breaking	unit rate	Each Break	$40.00	
ASTM C78 Flexural Beam Strength & Breaking	unit rate	Each Break	$75.00	
Soil Cement Pills	unit rate	Each	$40.00	
Asphalt Extraction & Gradation	unit rate	Each	$350.00	
Asphalt/Concrete Core	unit rate	Each	$175.00	
Mobilzation Asphalt/Concrete Coring Equipment	unit rate	Each	$400.00	
Sr. Engineering Technician (asphalt plant inspection & on-site materials sampling)	unit rate	Hour	$99.00	
Project Engineer (report review, sign and seal, responsible charge)	unit rate	Hour	$169.00	
Project Manager (scheduling, coordination, specialized services oversite)	unit rate	Hour	$150.00	
			Total Reimbursable Expenses:	$ 15,000.00

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

Legend:

Future proposal | BAT Projects

Updated: 04/13/26

Name	Position	Company	Sponsor	Project #	Add #	Project Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	TOTAL
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**W-S00149**	-	Terminal C Program	32	32	32	32	32	32	32	32	32	32	32	32	**384**
Ben Brown	Sr. Project Manager	Loyal Wingman	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
Ben Brown	Sr. Project Manager	Loyal Wingman	Environmental	**W-00591**	**34**	Staff Extension - FY26 Environmental			16	16	16	16	16	16	16	16	16	16	**160**
Ben Brown	Sr. Project Manager	Loyal Wingman	-	-	**32**	Staff Extension - FY26 Construction and Engineering	16	16	16	16	16	16	16	16	16	16	16	16	**192**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	**48**
Ben Brown	Sr. Project Manager	Loyal Wingman	Tenant	**T-2012**	**28**	UAL-MCO Maintanence Facility Complex													**0**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping	8	16	8										**32**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	32	16	4										**52**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00385**	**29**	Runway 17L-35R Lighting System Improvements		16	24	24	24	16	16	8					**128**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00392**	**30**	Bridge 999954 Bearing	8	16	20	4	4								**52**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	32	32				**72**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								4	6	12			**22**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd							8	12	12	12	12		**56**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00419**	-	Pavement Repair TWY B1								16	16	8	8		**48**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										12	32	12	**56**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							4	4	4	4	4		**20**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1								16	8				**24**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**EP-00TBD**	**21**	QTA Pond Pipe Repair					16	32	24	8					**80**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work		20	40	32	32	32	32	32	32	32	32	32	**348**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	40	40											**80**
Ben Brown	Sr. Project Manager	Loyal Wingman	Construction	**BP-00508**	-	BP-00508, Commercial Lane Terminal A & B Pavement Rehabilitation													**0**
						TOTAL HOURS	**136**	**172**	**160**	**124**	**140**	**144**	**164**	**204**	**182**	**152**	**160**	**116**	**1854**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping	16	64	16										**96**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	32	32	8										**72**
Ace Yousuf	Assistant PM	Loyal Wingman	Construction	**H-00385**	**29**	Runway 17L Lighting		16	16	80	160	80							**352**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**H-00395**	**27**	Terminal C Improvements		80	80	80									**240**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7/25 and Related Work*					120	160	160	160	160	160	160	7.1875	**1087.1875**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	160											**320**
Ace Yousuf	Senior Inspector	Loyal Wingman	Construction	**Staff Ext**		Staff Extension GOAA Enginering & Construction						40	80	80	80	80	80	80	**520**
						TOTAL HOURS	**208**	**352**	**120**	**160**	**280**	**280**	**240**	**240**	**240**	**240**	**240**	**87.1875**	**2687.1875**
						*** Based on the updated schedule for BP-00050, the originally estimated hours are more than anticipated**													
TBD	Sr. Inspector	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2													**0**
TBD	Sr. Inspector	Loyal Wingman	Construction	**BP-00508**	-	Commercial Lane Rehabilitation										160	160	160	**480**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**160**	**160**	**160**	**480**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**W-S00149**	-	Terminal C Program	160	160	160	160	160	160	160	160	160	160	80	80	**1760**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								16	4	4	4		**28**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	8	**24**
Sam Chizek	Senior Inspector	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										24	24	24	**72**
						TOTAL HOURS	**160**	**160**	**160**	**160**	**160**	**160**	**160**	**176**	**164**	**172**	**92**	**88**	**1812**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping		16											**16**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	16	16											**32**
Dave Abueg	Assistant PM	Loyal Wingman	Tenant	**T-2012**	**28**	UAL- MCO Maintanence Facility Complex													**0**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		20	80	140	120	20							**380**
Dave Abueg	Assistant PM	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	40											**200**
						TOTAL HOURS	**176**	**92**	**80**	**140**	**120**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**628**
Kevin Duffy	Project Manager	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work			100	160	160	160	120	120	120	160	160	160	**1420**
						TOTAL HOURS	**0**	**0**	**100**	**160**	**160**	**160**	**120**	**120**	**120**	**160**	**160**	**160**	**1420**
Bennett Robinson	Inspector	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work				160	160	160				160	160		**800**
						TOTAL HOURS	**0**	**0**	**0**	**160**	**160**	**160**	**0**	**0**	**0**	**160**	**160**	**0**	**800**
Omar Rodriguez	Inspector	Loyal Wingman	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							16	80	80				**176**
Omar Rodriguez	Inspector	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								24	64	64	40		**192**
Omar Rodriguez	Inspector	Loyal Wingman	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							40	96	96	120	40		**392**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**56**	**200**	**240**	**184**	**80**	**0**	**760**
TBD	Inspector	Loyal Wingman																	**0**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Chris Bates	Inspector Aide	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		24	24	136	136	136	40						**496**
Chris Bates	Inspector Aide	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G & H Rehabilitation Phase 2	160	80											**240**
Chris Bates	Inspector Aide	Loyal Wingman	Construction	**BP-00508**	-	BP-00508, Commercial Lane Rehabilitation													**0**
						TOTAL HOURS	**160**	**104**	**24**	**136**	**136**	**136**	**40**	**0**	**0**	**0**	**0**	**0**	**736**
TBD	Inspector Aide	Loyal Wingman	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							16	16	80	160	160	80	**512**

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2026 (October 1, 2025 - September 30, 2026)

TBD	Inspector Aide	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										80	160		**240**
TBD	Inspector Aide	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										80	40	160	**280**
						TOTAL HOURS	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**16**	**80**	**320**	**360**	**240**	**1032**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00369**	**33**	AS2 and AS4 Ramp Modifications and Striping	4	20	16										**40**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**EP-00TBD**		QTA Pond Pipe Repair					8	32	32	16					**88**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation									8	8	8		**24**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							16	16					**32**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd										8	8	20	**36**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00419**	-	Pavement Repair TWY B1								32	32	16	8		**88**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										8	8	20	**36**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							4	4	4	16	16		**44**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**V-01031**		ORL Airfield Beacon Replacement									2				**2**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							16	16	16	16	16	16	**96**
Lauren Baker	Project Coordinator	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	**288**
						TOTAL HOURS	**4**	**20**	**16**	**32**	**40**	**64**	**100**	**116**	**94**	**104**	**96**	**88**	**774**
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	**W-S00149**	-	Terminal C Program	4	4	4	4	4	4	4	4	4	4	4	4	**48**
Lauren Brown	Project Coordinator	Loyal Wingman	Engineering	**W-S00151 AMD1**	**15**	MCO Terminal C Design and Project Oversight Services - Gate 241													**0**
Lauren Brown	Principal	Loyal Wingman	Environmental	**W-00591**	**34**	Staff Extension - FY26 Environmental	8	8	8	8	8	8	8	8	8	8	8	8	**96**
Lauren Brown	Principal	Loyal Wingman	-	-	**32**	Staff Extension - FY26 Constuction & Engineering	8	8	8	8	8	8	8	8	8	8	8	8	**96**
Lauren Brown	Senior Inspector	Loyal Wingman	Construction	**Staff Ext**		Staff Extension - FY26 AMD1 Constuction & Engineering						8	8	8	8	8	8	8	**56**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00384**	**24**	Airside 1 Apron PCC Slab Rehabilitation	24	24	24										**72**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00385**	**29**	MCO Runway 17L-35R Lighting Improvements		8	8	8	8	8	8	8					**56**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00393**	**26**	MCO Taxiway Bravo and Charlie Pavement rehabilitation	12												**12**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00414**	-	Under Train Station Parking Rehab (Design Phase)							8	16	16				**40**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00417**	-	Secure Road Rehab at Centerfield ARFF								8	16	16	16	16	**72**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00418**	-	Repair Pavement Depression Cargo Rd Near Hangar Blvd									16	16	16	16	**64**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00419**	-	Pavement Repair TWY B1								16	16	16	8		**56**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00421**	-	Jeff Fuqua Blvd Stormwater Pipe Maint - Ph 2										16	16	16	**48**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00422**	-	East Airfield Upland & Stormwater Maintenance							8	8	8	8	8		**40**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00TBD**	-	MCO Pond Rehabilitation	16	32	32	32	32	32	32	32					**240**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00TBD**	-	ALCMS Fiber		8	8	8	8	8	8						**48**
Lauren Brown	Principal	Loyal Wingman	Construction	**E-00270**	-	AS 2 and AS 4 Fiber Connection							16	16	16	16	16	8	**88**
Lauren Brown	Principal	Loyal Wingman	Construction	**BP-00048**	-	ORL East Ramp Rehabilitation Phase 1		16	16	32	32	32	32	16					**176**
Lauren Brown	Principal	Loyal Wingman	Construction	**BP-00050**	**21**	ORL Runway 7-25 Rehabilitation and Related Work				32	32	32	32	32	32	32	32	32	**288**
Lauren Brown	Principal	Loyal Wingman	Construction	**EP-00TBD**		QTA Pond Pipe Repair					8	16	16	16					**56**
Lauren Brown	Project Coordinator	Loyal Wingman	Construction	**BP-00498**	**4**	Taxiways G &H Rehabilitation Phase 2	32	32											**64**
Lauren Brown	Principal	Loyal Wingman	Construction	**H-00410**		Bridge 999953 Structural Rehabilitation							2	2	2	2	2		**10**
Lauren Brown	Principal	Loyal Wingman	Construction	**V-01031**		ORL Airfield Beacon Replacement									2	2	2	2	**8**
Lauren Brown	Principal	Loyal Wingman	Construction	**V-01113**	-	Airsides 1-4 Headache Bars							8	8	8	8	8	8	**48**
Lauren Brown	Principal	Loyal Wingman	Construction	**BP-00508**	-	BP-00508, Commercial Lane Rehabilitation							32	32	32	32	32	32	**192**
						TOTAL HOURS	**104**	**140**	**108**	**132**	**140**	**156**	**230**	**238**	**192**	**192**	**184**	**158**	**1974**
						Total Loyal Wingman Hours	**948**	**1040**	**768**	**1204**	**1336**	**1280**	**1126**	**1310**	**1312**	**1844**	**1692**	**1097.1875**	**14957.1875**

LOYAL WINGMAN
MMXXI

Truth In Negotiation Certification

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Greater Orlando Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Greater Orlando Aviation Authority, whichever is later.

Consultant: Loyal Wingman, LLC

By: A. Lauren Brown

Print Name: A. Lauren Brown, President

Date: April 10, 2026

Greater Orlando Aviation Authority

Published By: Tricia Cottman
Reviewed By: Accenture, Legal

CCM HANDOUT
4/28/2026
Item IV-F
Revised Memo and New Backup

MEMORANDUM

TO: Members of the Construction Committee

FROM: Tricia Cottman, Vice President of Risk Management

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of Payment of Additional Insurance Premiums for Master Builders Risk ("MBR") to Aon Risk Services, Inc. of Florida ("Aon") for BP-S00198 Ground Transportation Facility, Pedestrian Bridge & RAC Lobby at the Orlando International Airport

BACKGROUND

On September 18, 2024, the Board approved insurance allowance and payment of additional premiums under the Soft Costs Account W-S00121 for Construction Projects BP-S00195, BP-S00196, BP-S00198 for the Master Builders Risk insurance. Below reflects total approved allocation.

Description	Premium Allocation
BPS00195 Terminal C Gates 250-253	$2,650,000.00
BPS00196 Terminal C Gates Ramp, RON	$1,750,000.00
BPS00198 Ground Transportation Facility Pedestrian Bridge & RAC Lobby	$800.000.00

ISSUES

For the RAC Lobby portion of Construction Project BP-S00198, the builders risk coverage term was due to expire 04/30/2026. To maintain builders risk insurance through the substantial completion of the RAC Lobby portion, it was requested at the latest quarterly reporting period that the builders risk insurance be extended to 07/31/2026.

Based on the best available information from the carriers, Aon secured the extension to 07/31/2026 for an additional premium, not to exceed amount of $20,000.

As construction progresses and data is updated or becomes available, quarterly reports are provided to the carriers on the Masters Builders Risk insurance program, for each covered construction project and its phases. These quarterly updates may result in adjusted insurance premiums and subsequent payments to be made within the Soft Cost Account W-S00121, allocable to the covered construction projects. Premium is subject to final audit at the close of each project.

BUSINESS OPPORTUNITY & EXCHANGE

None.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Customer Facility Charges, funded from W-S00121GTF. Funding source verified by Melvin Martinez of Finance on 04/ 24/ 26 as correct and available.

CC
ITEM IV-F
04/28/2026

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve the adjustment and payment of insurance premiums to Aon for the total amount shown below, and authorize the Chief Executive Officer or an Aviation Authority Officer to execute the necessary documents following satisfactory review by legal counsel:

Lump Sum	$0.00
Not to Exceed Expenses	$20,000.00
TOTAL	**$20,000.00**
Financial Auditor – Compliance Review Date	LG 04/23/2026
Financial Auditor – Funding Eligibility Review Date	04/23/2026

Gonzalez, Lindsey

From: Colin McLean <colin.mclean@aon.com>
Sent: Monday, April 20, 2026 12:56 PM
To: Silvana Jimenez Vera; Jill Overstreet; Braden Baird; Brian Kuhlman; Loretta Williams; Ian Pilling; Ben Guzzle
Cc: 'Kathy Gordon'; Tricia Cottman
Subject: Extension Update 4/20: BP-S00198 RAC Lobby RE: BR Extension

CAUTION: This email originated outside of GOAA. Stop and think before you click! If you are not expecting it or if it looks suspicious, please report it using the Phishing Report Button.

Silvana,

Thank you for allowing us until 2:00 to obtain further clarification. As previously stated, we are actively working with the London carriers to finalize their AP for the extension. Based on the previous extensions we are estimating an AP charge of around $13,638 for the 4 additional markets. Please note, this is an estimate and we are still working to confirm the final amounts. These amounts could vary once we receive the confirmations.

Please note, we have confirmed that all markets have agreed to cover the extension period.

Anticipated calculations for the AP are below:

	Share	Policy Rate	AP (100%)	AP (share)
Castel	10%	0.5733%	43,651	USD 4,365
Helvetia	5%	0.5046%	38,420	USD 1,921
WRB	12.50%	0.6437%	49,011	USD 6,126
Lancashire	2.50%	0.6437%	49,011	USD 1,225
				USD 13,638

We will continue to work on this and provide final confirmations as soon as we have them.

Colin McLean | East Broking Manager – Builders Risk
Aon – Construction & Infrastructure
M: 404.987.4297

3 Ravinia Dr, 22ndFl
Atlanta, GA 30346
colin.mclean@aon.com | www.aon.com
Aon Risk Services South, Inc. California License No. 0C73817

From: Colin McLean
Sent: Monday, April 20, 2026 11:55 AM
To: Silvana Jimenez Vera <silvana.jimenez-vera@goaa.org>; Jill Overstreet <jill.overstreet@goaa.org>; Braden Baird <braden.baird@aon.com>; Brian Kuhlman <brian.kuhlman@aon.com>; Loretta Williams <loretta.williams@aon.com>; Ian Pilling <ian.pilling@aon.com>; Ben Guzzle <ben.guzzle@aon.com>
Cc: 'Kathy Gordon' <KGordon@siver.com>; Tricia Cottman <tricia.cottman@goaa.org>
Subject: RE: Extension Update 4/8: BP-S00198 RAC Lobby RE: BR Extension

Published By: Tricia Cottman
Reviewed By: Accenture, Legal

MEMORANDUM

TO: Members of the Construction Committee

FROM: Tricia Cottman, Vice President of Risk Management

DATE: April 28, 2026

ITEM DESCRIPTION

Request for Approval of Payment of Additional Insurance Premiums for Master Builders Risk ("MBR") to Aon Risk Services, Inc. of Florida ("Aon") for BP-00S198 Ground Transportation Facility, Pedestrian Bridge & RAC Lobby at the Orlando International Airport

BACKGROUND

On September 18, 2024, the Board approved insurance allowance and payment of additional premiums under the Soft Costs Account W-S00121 for Construction Projects BP-S00195, BP-S00196, BP-S00198 for the Master Builders Risk insurance. Below reflects total approved allocation.

Description	Premium Allocation
BPS00195 Terminal C Gates 250-253	$2,650,000.00
BPS00196 Terminal C Gates Ramp, RON	$1,750,000.00
BPS00198 Ground Transportation Facility Pedestrian Bridge & RAC Lobby	$800.000.00

ISSUES

For the RAC Lobby portion of Construction Project BP-S00198, the builders risk coverage term was due to expire 04/30/2026. To maintain builders risk insurance through the substantial completion of the RAC Lobby portion, it was requested at the latest quarterly reporting period that the builders risk insurance be extended to 07/31/2026.

Based on the best available information from the carriers, Aon secured the extension to 07/31/2026 for an additional premium, not to exceed amount of $20,000.

As construction progresses and data is updated or becomes available, quarterly reports are provided to the carriers on the Masters Builders Risk insurance program, for each covered construction project and its phases. These quarterly updates may result in adjusted insurance premiums and subsequent payments to be made within the Soft Cost Account W-S00121, allocable to the covered construction projects. Premium is subject to final audit at the close of each project.

BUSINESS OPPORTUNITY & EXCHANGE

None.

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Customer Facility Charges, funded from W-S00121GTF. Funding source verified by _____ of Finance on ___/___/___ as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve the adjustment and payment of insurance premiums to Aon for the total amount shown below, and authorize the Chief Executive Officer or an Aviation Authority Officer to execute the necessary documents following satisfactory review by legal counsel:

Lump Sum	$0.00
Not to Exceed Expenses	$20,000.00
TOTAL	**$20,000.00**
Financial Auditor – Compliance Review Date	LG 04/23/2026
Financial Auditor – Funding Eligibility Review Date	04/23/2026

MEMORANDUM

DATE: April 28, 2026

TO: Members of the Construction Committee

FROM: Amber Johnson, AVP, Business Opportunity & Exchange

ITEM DESCRIPTION

Request for Recommendation of Approval of Payment of Additional Insurance Premiums for Master Builders Risk ("MBR") to Aon Risk Services, Inc. of Florida ("Aon") for BP-00S198 Ground Transportation Facility, Pedestrian Bridge & RAC Lobby at the Orlando International Airport.

SMALL BUSINESS

The Office of Business Opportunity and Exchange has reviewed the qualifications related to the subject contract's LDB/VBE specifications and determined that LDB/VBE participation is not applicable to the cost adjustment.

Gonzalez, Lindsey

From: Colin McLean <colin.mclean@aon.com>
Sent: Monday, April 20, 2026 12:56 PM
To: Silvana Jimenez Vera; Jill Overstreet; Braden Baird; Brian Kuhlman; Loretta Williams; Ian Pilling; Ben Guzzle
Cc: 'Kathy Gordon'; Tricia Cottman
Subject: Extension Update 4/20: BP-S00198 RAC Lobby RE: BR Extension

CAUTION: This email originated outside of GOAA. Stop and think before you click! If you are not expecting it or if it looks suspicious, please report it using the Phishing Report Button.

Silvana,

Thank you for allowing us until 2:00 to obtain further clarification. As previously stated, we are actively working with the London carriers to finalize their AP for the extension. Based on the previous extensions we are estimating an AP charge of around $13,638 for the 4 additional markets. Please note, this is an estimate and we are still working to confirm the final amounts. These amounts could vary once we receive the confirmations.

Please note, we have confirmed that all markets have agreed to cover the extension period.

Anticipated calculations for the AP are below:

	Share	Policy Rate	AP (100%)	AP (share)
Castel	10%	0.5733%	43,651	USD 4,365
Helvetia	5%	0.5046%	38,420	USD 1,921
WRB	12.50%	0.6437%	49,011	USD 6,126
Lancashire	2.50%	0.6437%	49,011	USD 1,225
				USD 13,638

We will continue to work on this and provide final confirmations as soon as we have them.

Colin McLean | East Broking Manager – Builders Risk
Aon – Construction & Infrastructure
M: 404.987.4297

3 Ravinia Dr, 22ndFl
Atlanta, GA 30346
colin.mclean@aon.com | www.aon.com
Aon Risk Services South, Inc. California License No. 0C73817

From: Colin McLean
Sent: Monday, April 20, 2026 11:55 AM
To: Silvana Jimenez Vera <silvana.jimenez-vera@goaa.org>; Jill Overstreet <jill.overstreet@goaa.org>; Braden Baird <braden.baird@aon.com>; Brian Kuhlman <brian.kuhlman@aon.com>; Loretta Williams <loretta.williams@aon.com>; Ian Pilling <ian.pilling@aon.com>; Ben Guzzle <ben.guzzle@aon.com>
Cc: 'Kathy Gordon' <KGordon@siver.com>; Tricia Cottman <tricia.cottman@goaa.org>
Subject: RE: Extension Update 4/8: BP-S00198 RAC Lobby RE: BR Extension

Information Items

CC
ITEM V
04/28/2026

INFORMATION ITEM
SUPPLEMENTAL INFORMATION

Project Controls
Field Change Order (FCO) Tracking Log

Project	FCO No.	Amount	FCO Date	Converted to Change Order
BP-S00195	31	$ 49,736.00	3-Apr-26	Open
BP-S00195	32	$ 50,000.00	9-Apr-26	Open
V-01023	02	$ 22,466.24	6-Apr-26	Open
V-01032	02	$ 32,648.47	14-Apr-26	Open
V-01052	01	$ 46,000.00	11-Feb-26	Open
V-01052	02	$ 10,414.13	18-Feb-26	Open

CC
ITEM V-A
04/28/2026

Greater Orlando Aviation Authority

lished By: Carmen Hernandez
iewed By: Nils Johnson

CCM HANDOUT
4/28/2026
Item V-B
New Item

INFORMATIONAL ITEM
REVISED MEMO
CCM 4/21/2026, ITEM 3-A

CHANGE ORDE
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 17	**AMOUNT $508,697.45**	**Extension Of Time (Subst.):**	**28 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	BP-00477 Airsides 2 and 4 APM Improvements (DBOM)	DATE:	03/31/2026
CONTRACTOR:	Mitsubishi Heavy Industries America, Inc.		
A/E:	N/A		

DESCRIPTION OF CHANGE TO CONTRACT: **Negotiated Settlement**

Item #1 – RFI 68 – Equipment Room Water Intrusion – Provide all labor, materials, and equipment required to perform concrete repairs, joint sealant replacement, expansion joint upgrades, and Pedestrian Coating utilizing Tremco EWS Vulkem PUMA System at the Landside Station Equipment Room (SER) and Automatic Train Control (ATC) Room which houses equipment for the Automated People Mover (APM) operations. The work consists of removing unsound concrete, saw cutting repair perimeters, and patching damaged areas. Existing cracks will be routed, cleaned, and sealed with Tremco Dymonic 100 urethane sealant. Approximately 160 linear feet of perimeter cove joint sealant will be removed and replaced with new urethane sealant. Approximately 45 linear feet of horizontal and 10 linear feet of vertical expansion joints will be replaced. Existing sealants will be removed, joint edges abraded, and new silicone pre-compressed foam expansion joints will be installed, with all edges and miter joints sealed using single-component silicone sealant.The waterproofing scope, performed by MHIA under this change order, for the SER/ATC rooms carries a one-year warranty, whereas after, the exterior of these spaces will be maintained by GOAA. This item replaces Field Change Orders #1 and #2.

ADD: $159,276.75

Item #2 – Time Extension – Increase the Contract Time for Substantial Completion by 28 calendar days, from 1,362 calendar days to 1,390 calendar days due to Owner requested changes and unforeseen water intrusion impacts. This includes the 5 days delay for changing the shutdown of lane 4800 from December 3, 2025 to December 7, 2025.

ADD: $349,420.70

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1: Unforeseen Condition – During construction of the SER and ATC Rooms, multiple deficiencies were discovered, including deteriorated concrete, failed joint sealants, damaged expansion joints, and a worn coating system. These conditions create water intrusion into the rooms which will be equipped with electrical equipment and room finishes. The original scope had some water intrusion mitigation efforts, which did not include all leak possibilities and turned out to be insufficient when tested by a heavy storm in December 2025. To restore the integrity of the rooms, unsound concrete must be removed and patched, failed crack and cove joint sealants must be replaced, and both horizontal and vertical expansion joints will require full removal and installation of new pre-compressed foam joint systems. These repairs are necessary to ensure structural performance and prevent further water intrusion. The waterproofing scope for the rooms carries a one-year warranty, whereas after, the exterior of these spaces will be maintained by GOAA. This Change Order was negotiated with the Contractor to remain in compliance with the scope of the original contract and mitigate these new, unforeseen issues.

Published By: Carmen Hernandez
Reviewed By: Nils Johnson

Item #2: Owner Requested – Due to the Owner requested five-day delay to the start of the project, five compensable calendar days are being added to Substantial Completion. The unforeseen water intrusion within the SER/ATC rooms carry 23 additional calendar days being added to the project, which five of those days have been determined as being compensable. Therefore, the Contractor shall be granted 10 calendar days of extended general conditions and 18 additional calendar days for a total time extension of 28 calendar days.

SOURCE OF FUNDS: Capital Expenditures (CapEx)

Is above change within the intended scope of the original contract? Yes ☐ No ☒
EXPLAIN: Water intrusion was not evident until a major storm in Mid-December 2025

Bulletin(s) or RFI(s) resolved by this CO:	RFI 68	(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	FCO 1 and FCO 2	(Copy Attached)

Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO?
Yes ☒ No ☐

If No, EXPLAIN what is excluded and why:

Contractor's Original RCO Submission	$ 1,206,231.08		
GOAA/OAR Estimate	$ 510,551.50		
(a) Change Contract Amount By			**$ 508,697.45**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 508,697.45**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Carmen Hernandez			PHONE: 4072029981

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
ACCENTURE	4/07/2026			Melvin Martinez

INFORMATION ITEM
ORIGINAL CCM: 4/7/26
ITEM III-B
REVISED BACKUP

Published By: Fritz Girault
Reviewed By: Rebecca McKeown

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 07	**AMOUNT $ 57,779.44**	**Extension Of Time (Subst.):**	**16 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01032 North Terminal Premier Parking Reconfigurations	DATE: 4/7/2026
CONTRACTOR:	Clancy & Theys Construction Company	
A/E:	AVCON, Inc.	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1- Wheel Stops PCO# 9 (RFI #16) - To furnish and install six (6) new precast concrete wheel stops on the south side of the garage, level 4.

ADD: $1,527.60

Item #2- Speed Humps PCO# 10 (RFI #14) - To furnish and install six (6) speed humps as per RFI #14 and perform ground penetration radar scan (GPR).

ADD: $7,591.73

Item #3 – Pipe Shrouds PCO# 11 (RFI #19) – To fabricate and install seven (7) metal shrouds to protect the existing storm risers from newly created traffic lane, as per RFI #19. The shrouds will be custom made to match each location and will be made of three (3) layers of 2" flat strap, similar to the attached photo of another area of the garage.

ADD: $18,154.62

Item #4 – PCO #12 – Time Extension to Extend General Conditions for PCOs 9-11-~~Add 16 calendar days to substantial completion from April 7, 2026, to April 23, 2026.~~

ADD: $8,972.14

Increase the Contract Time for Substantial Completion by 16 Calendar Days from 208 Calendar Days to 224 Calendar Days.

Item #5 – Convert FCO #1 to CO - Existing Curb Modifications per RFI #15 and RFI #23 (RCO #8) – Provide materials and labor to demo the existing curb at several locations to allow a wider radius and proper drainage in locations, patch floor and curb, and apply coatings at locations of works. This item replaces Field Change Order No. 01.

ADD: $21,533.35

(NOTE: The language above will be exactly what will appear on the actual Change Order under "Description of Change".)

REASON FOR CHANGE:

Item #1 – Owner Requested – It was requested by GOAA Parking to install wheel stops to prevent vehicles from entering the designated ADA walking area and protect the newly installed curb and the tubular markers.

Item #2 – Owner Requested – It was requested by GOAA Parking to install speed humps with signage to slow down vehicles entering/leaving the garage. Ground penetration scan (GPR) is used to locate embedment including post tension, rebar, electric and plumbing in parking deck prior to installing fasteners.

CC ITEM III-C 04/07/2026

Greater Orlando Aviation Authority

Published By: Fritz Girault
Reviewed By: Rebecca McKeown

Item #3 – Owner Requested – Fire and storm risers adjacent to travel lanes are in danger of being struck by vehicles and need to be protected.

Item #4 – Owner Requested – The additional time and cost are to accommodate the owner requested changes for items #1, 2, and 3.

Item #5 – Design Omission - A field change order is being requested to allow contractor to perform this work while the garage is closed and existing MOT is in place. Performing this work now will prevent operational impact and loss of revenue on the garage.
The changes are being requested for the following reasons:

1) Water is ponding along areas of the newly installed curb. The ponding needs to be addressed to allow proper drainage.
2) In addition, GOAA Parking was concerned about a tow truck or similar size vehicle making turns at certain locations due to the newly installed curbs layout and traffic patterns. These locations include right turns from the helix as well as locations adjacent to the A and B side elevators.

SOURCE OF FUNDS: Line of Credit to be reimbursed by General Airport Revenue Bonds (GARBs)			
Is above change within the intended scope of the original contract? Yes ☒ No ☐ EXPLAIN:			
Bulletin(s) or RFI(s) resolved by this CO:	RFI #14, 15, 16, 19, 23		(Copy Attached)
Previously Approved Field Change Order(s) resolved by this CO:	FCO #1		(Copy Attached)
Does this CO resolve all requests for costs and time as a result of the above-referenced Bulletin / RFI / FCO? Yes ☒ No ☐			
If No, EXPLAIN what is excluded and why:			
Contractor's Original RCO Submission	$ 59,348.76		
GOAA/OAR Estimate	$ 60,037.24		
(a) Change Contract Amount By		**$**	**57,779.44**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$	0.00
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$	0.00
(d) Total Cost Impact of this Change (d = a + b + c)		$	**57,779.44**
Is there any potential back charge to the A/E? Yes ☒ No ☐	Omissions	$	21,533.35
	Errors	$	0.00
PREPARED BY: Fritz Girault		PHONE:	407-530-9301

*NOTE: All Agenda Items are to be submitted via Box procedures. The deadline for the agenda items is **no later than 3:00 p.m. Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's Financial Auditor:	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by Finance:
		04/01/2026	SJ	Melvin Martinez

Published By: Colin Paterson
Reviewed By: Levent Ozpercin

INFORMATION ITEM
ORIGINAL CCM
1/13/2026
Item 4-A
Revised Backup

MEMORANDUM

TO: Members of the Construction Committee

FROM: Tuan Nguyen, PE, Assistant Vice President, Engineering

DATE: January 13, 2026

ITEM DESCRIPTION

Request for Recommendation of Approval for the Purchase of G2 Fire Station Alerting System Replacement from US Digital Designs, Inc. for V-01097 ARFF Fire Alert/Emergency System Replacement Phase 2 at Orlando International Airport

BACKGROUND

This project aims to replace the outdated ComTech 10 Fire Alerting System Hub. This legacy system has not been upgraded since its original installation and has been in use for several decades, making it no longer supported. Currently, it offers only basic functions such as voice paging, tone alerting, and status monitoring. Additionally, the system has several limitations and drawbacks that negatively impact the performance and efficiency of fire station operations.

The project will involve replacing additional equipment for the Centerfield ARFF (Aircraft Rescue and Firefighting) and complete systems for the West Field, East Field, Administration Building, ITF, and additional Services and reconnecting them to the existing amplifiers while reusing the existing wiring, beacons, and speakers.

ISSUES

On December 09, 2025, the Authority received a quotation for Other Entity Contract 26-407-OEC for a G2 Fire Station Alerting System in the amount of $689,576.30 from US Digital Designs, Inc.

A good-faith effort was made to obtain multiple quotes. However, as US Digital Design is the manufacturer of the product line, regardless of whom you contact, the G2 Phoenix system will ultimately be priced through US Digital Designs, Inc.

The pricing was provided in accordance with the National Purchasing Partners, LLC, dba Public Safety GPO, dba Law Enforcement GPO, and dba NPP.gov — US Digital Designs, Inc. Contract #PS20350 GOAA# 26-407-OEC.

This award is based on an Other Entity Contract (OEC) in accordance with the Aviation Authority Policy 450.02, which states the Aviation Authority may acquire Goods, Services, and Professional Services from a Supplier having a requirements contract, annual agreement, or multi-year contract with any public entity for Goods, Services, and Professional Services described in such contract and at prices or discounts equal to or more favorable than any set forth in such Contracts. This provision only applies to OECs that have been publicly advertised and competed.

Procurement Services has reviewed the quotation and verified the pricing.

No spares/attic stock are included in this procurement.

If approved, services will be effective on the date of Aviation Authority Board approval.

SMALL BUSINESS

The small business participation has been reviewed by the Office of Business Opportunity & Exchange. The findings and recommendations are attached.

ALTERNATIVES

None

FISCAL IMPACT

Funding is from previously approved Capital Expenditure funds. Funding source verified by Melvin Martinez of Finance on 01 / 09 / 25 as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board to award the purchase of 26-407-OEC to US Digital Designs, Inc. as contained herein and for the total amount as shown below; and authorize the Procurement Services to execute the necessary documents following satisfactory review by legal counsel:

Lump Sum	$0.00
Unit Price (NTE)	$689,576.30
TOTAL	**$689,576.30**
Financial Auditor – Compliance Review Date	JM 1/12/2026
Financial Auditor – Funding Eligibility Review Date	1/12/2026

STANDARD PURCHASE ORDER

PURCHASE ORDER NUMBER 1008243	**REVISION:** 0	**Page 1 of 4**
PURCHASING AGENT: Reddick, Yanique		**ORDER DATE:** 12-MAR-2026
PHONE: 4078256428	**EMAIL:** yanique.reddick@goaa.org	**FAX:**

Supplier: Honeywell International Inc
1150 W Grove Pky
Tempe, AZ 85283
United States

CONTACT:	**FREIGHT TERMS:** Included	**Ship To:** Greater Orlando AviationAuth East Warehouse 7401 Dowden Rd Orlando, FL 32827
PHONE: 602-687-1730	**F.O.B.:** Destination	
FAX:	**SHIP VIA:** CF Pay Only	**Bill To:** Greater Orlando Aviation Authority Construction Finance (CFaccountspayable@goaa.org) 5855 Cargo Rd. Bldg 854 Annex 2nd Floor Orlando, FL 32827-4348
VENDOR NO.: 22344	**Payment Terms** N30	

26-407-OEC-ARFF Fire Alert System Phase 2 OFE Purchase (V-01097)
Quote, dated 12/9/25, by: John.Spanbauer@honeywell.com
OEC Contract and pricing have been verified. OEC Contract documents are available electronically in the Procurement Services Office. YR 3/12/26
NPPgov - Contract #PS20350 Expires 6/2/26
Coordinate delivery with: Levent Ozpercin kasim.levent-ozpercin@goaa.org
Sale Contact: John.Spanbauer@honeywell.com
Internal Contact: Levent Ozpercin kasim.levent-ozpercin@goaa.org 407-825-3155
Delivery/Warehouse Contact: Howard White (407-825-2691) or Marcio Cicarini (407-825-2150)
Warehouse Operating Hours: Monday-Friday 7:30 AM - 3:30 PM. Closed for lunch: 12:00 PM-12:30 PM
Mark all boxes/crates/invoices/packing slips, etc...: PO:1008243

Line	Item / Description	Due Date	Quantity	UOM	Unit Price	Extended
1	NCF02353 G2 HDTV REMOTE	30-APR-2026	4	Each	$1,009.35	$4,037.40
2	NCF02331 Flat Panel Monitor / Smart HDTV 40-43", FP-43	30-APR-2026	4	Each	$1,195.43	$4,781.72
3	NCF02332 Flat Panel/TV Mount - Universal 23"-46" Tilt, FPM-U	30-APR-2026	4	Each	$130.41	$521.64
4	NCF02334 Push Button, Standard (Black)	30-APR-2026	5	Each	$119.54	$597.70
5	NCF02335 Push Button, Emergency (Red)	30-APR-2026	2	Each	$119.54	$239.08
6	NCF02337 G2 Message Sign (Digital LED) STANDARD GammaSign / 24" Active Screen Width, MS-G-S	30-APR-2026	7	Each	$1,488.38	$10,418.66
7	NCF02338 MS-G Adapter Plate, Single, MS-AP-S	30-APR-2026	6	Each	$60.01	$360.06

PURCHASE ORDER TOTAL $689,576.30

Purchase Order Number must appear on all packing lists, cartons, invoice and correspondence.
1. Unless otherwise stated above, acceptance of this PO includes acceptance of GOAA's Purchasing General Terms And Conditions.
2. The prices, terms and conditions of this PO may not be modified.
3. Purchase Order number must appear on all packing lists, cartons, invoices and other correspondence.
4. Invoices must be submitted only for items and services accepted by GOAA.
5. Invoices must be sent to the address listed in the Bill To box above.
6. GOAA is exempt from all State and Federal Taxes (Florida Tax Exempt Certificate No. 85-8012668935C-5).

SIGNATURE IMAGE

AUTHORIZED SIGNATURE

STANDARD PURCHASE ORDER

Supplier: Honeywell International Inc
1150 W Grove Pky
Tempe, AZ 85283
United States

PURCHASE ORDER NUMBER	REVISION:	Page 2 of 4
1008243	0	
PURCHASING AGENT: Reddick, Yanique		**ORDER DATE:** 12-MAR-2026
PHONE: 4078256428	**EMAIL:** yanique.reddick@goaa.org	**FAX:**

Line	Item / Description	Due Date	Quantity	UOM	Unit Price	Extended
8	NCF02339 MS Mount - Articulating, Long reach, MS-MNT-ART-L	30-APR-2026	6	Each	$368.55	$2,211.30
9	NCF02340 G2 ROOM REMOTE 2 Module / 2017 version 2, RR2	30-APR-2026	26	Each	$2,200.91	$57,223.66
10	NCF02342 G2 Speaker - LED Illuminated - Flush Mount, 70v, SPK-LED-FM	30-APR-2026	49	Each	$353.43	$17,318.07
11	NCF02343 G2 Speaker - OmniAlertStrobe, SPK-OAS	12-MAR-2026	2	Each	$1,488.38	$2,976.76
12	NCF02344 Speaker, Standard, Flush Mount, 70v, SPK-STD-FM	30-APR-2026	27	Each	$125.02	$3,375.54
13	NCF02327 Speaker, Standard, Surface Mount (Metal Box), 70v, SPK-STD-SM	30-APR-2026	1	Each	$148.84	$148.84
14	NCF02345 Speaker - App Bay/Outdoor - Weatherized, Surface Mount, 70v, SPK-W-SM	30-APR-2026	12	Each	$353.19	$4,238.28
15	NCF02328 Audio Amplifier, External, Standard, AMP	30-APR-2026	1	Each	$1,158.89	$1,158.89
16	NCF02329 Shelf, Under Table or Wall Mount, for 1U 1/2 Rac, AMP-S	30-APR-2026	1	Each	$86.18	$86.18
17	NCF02333 G2 I/O Remote Module w/ 8 In & 8 Out	30-APR-2026	1	Each	$1,423.35	$1,423.35
18	NCF02336 G2 Message Remote 2 Module (2017 Version 2), MR2	30-APR-2026	1	Each	$1,657.29	$1,657.29

PURCHASE ORDER TOTAL $689,576.30

Purchase Order Number must appear on all packing lists, cartons, invoice and correspondence.
1. Unless otherwise stated above, acceptance of this PO includes acceptance of GOAA's Purchasing General Terms And Conditions.
2. The prices, terms and conditions of this PO may not be modified.
3. Purchase Order number must appear on all packing lists, cartons, invoices and other correspondence.
4. Invoices must be submitted only for items and services accepted by GOAA.
5. Invoices must be sent to the address listed in the Bill To box above.
6. GOAA is exempt from all State and Federal Taxes (Florida Tax Exempt Certificate No. 85-8012668935C-5).

SIGNATURE IMAGE

AUTHORIZED SIGNATURE

STANDARD PURCHASE ORDER

PURCHASE ORDER NUMBER	REVISION:	Page 3 of 4
1008243	0	
PURCHASING AGENT: Reddick, Yanique		ORDER DATE: 12-MAR-2026
PHONE: 4078256428	EMAIL: yanique.reddick@goaa.org	FAX:

Supp

Info Item IV-A
Request to change this part number from NCF to SCF and description to Station Project Management, ST-PM on PO 1008243

Line	Item / Description	Due Date	Quantity	UOM	Unit Price	Extended
19	NCF02528 G2 Strobe Light, STR-2	30-APR-2026	2	Each	$625.12	$1,250.24
20	NCF00366 Cable, Patch, Ethernet, Cat 6, RJ45-RJ45 Connector, Shielded Twisted Pair, Green Jacket, 5 Foot Long	30-APR-2026	22,000	Each	$1.00	$22,000.00
21	NCF02347 License, G2 VoiceAlert, Single Station, VA	30-APR-2026	2	Each	$1,354.42	$2,708.84
22	NCF02323 Controller, G2 ATX Station, ATX	30-APR-2026	2	Each	$21,783.06	$43,566.12
23	[illegible] D	30-APR-2026	2	Each	$943.35	$1,886.70
25	[illegible] t-Up,	30-APR-2026	8,000	US Dollar	$1.00	$8,000.00
26	SCF00367 Station Engineering / Design Services, ST-ES	30-APR-2026	1,500	US Dollar	$1.00	$1,500.00
27	NCF02353 G2 HDTV REMOTE	30-APR-2026	2	Each	$1,009.35	$2,018.70
28	NCF02333 G2 I/O Remote Module w/ 8 In & 8 Out	30-APR-2026	1	Each	$1,494.52	$1,494.52
29	NCF02337 G2 Message Sign (Digital LED) STANDARD GammaSign / 24" Active Screen Width, MS-G-S	30-APR-2026	2	Each	$1,488.38	$2,976.76
30	NCF02340 G2 ROOM REMOTE 2 Module / 2017 version 2, RR2	30-APR-2026	2	Each	$2,200.91	$4,401.82

Info Item IV-A
Request to change this part number from NCF to SCF on PO 1008243

PURCHASE ORDER TOTAL $689,576.30

Purchase Order Number must appear on all packing lists, cartons, invoice and correspondence.
1. Unless otherwise stated above, acceptance of this PO includes acceptance of GOAA's Purchasing General Terms And Conditions.
2. The prices, terms and conditions of this PO may not be modified.
3. Purchase Order number must appear on all packing lists, cartons, invoices and other correspondence.
4. Invoices must be submitted only for items and services accepted by GOAA.
5. Invoices must be sent to the address listed in the Bill To box above.
6. GOAA is exempt from all State and Federal Taxes (Florida Tax Exempt Certificate No. 85-8012668935C-5).

SIGNATURE IMAGE

Cheryl L. Olson

AUTHORIZED SIGNATURE

STANDARD PURCHASE ORDER

Supplier: Honeywell International Inc
1150 W Grove Pky
Tempe, AZ 85283
United States

PURCHASE ORDER NUMBER	REVISION:	Page 4 of 4
1008243	0	
PURCHASING AGENT: Reddick, Yanique		**ORDER DATE:** 12-MAR-2026
PHONE: 4078256428	**EMAIL:** yanique.reddick@goaa.org	**FAX:**

Line	Item / Description	Due Date	Quantity	UOM	Unit Price	Extended
31	SCF00358 Training, Station Installation, Contractor, On-Site, TRA-IC-O	30-APR-2026	6,656.35	US Dollar	$1.00	$6,656.35
32	SCF40640 Freight (Estimated)	30-APR-2026	3,920	US Dollar	$1.00	$3,920.00
33	SCF00350 Station Installation, ST-INST	30-APR-2026	124,518.58	US Dollar	$1.00	$124,518.58
34	SCF00350 Station Installation, ST-INST	30-APR-2026	137,807.41	US Dollar	$1.00	$137,807.41
35	SCF00350 Station Installation, ST-INST	30-APR-2026	86,959.03	US Dollar	$1.00	$86,959.03
36	SCF00350 Station Installation, ST-INST	30-APR-2026	57,794.3	US Dollar	$1.00	$57,794.30
37	SCF00350 Station Installation, ST-INST	30-APR-2026	67,057.97	US Dollar	$1.00	$67,057.97
39	NCF02326 Shelf/Bracket, Wall-Mount for UPS, UPS-WMB	30-APR-2026	2	Each	$71.61	$143.22
40	NCF02324 Rack Mount Ears for ATX or EXP, ATX-E	30-APR-2026	2	Each	$70.66	$141.32

PURCHASE ORDER TOTAL $689,576.30

Purchase Order Number must appear on all packing lists, cartons, invoice and correspondence.
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2. The prices, terms and conditions of this PO may not be modified.
3. Purchase Order number must appear on all packing lists, cartons, invoices and other correspondence.
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5. Invoices must be sent to the address listed in the Bill To box above.
6. GOAA is exempt from all State and Federal Taxes (Florida Tax Exempt Certificate No. 85-8012668935C-5).

SIGNATURE IMAGE

AUTHORIZED SIGNATURE

V-01097 ARFF Fire Alert/Emergency System Replacement Phase 2

Request for REQUISITION

Date: 1/7/2026 **Request #:**

Requestor's Name: Abdu El Baroudi

Department: *ARFF* **Purchasing Contract #:** 26-407-OEC

Project Number *V-01097*

Project Name: *ARFF Emergency Alert System Replacement*

Vendor: **NOTE:** Pls. complete Vendor's info (address/phone) ***only*** if Cost of item(s) Cost is/are ***less than ($5,000***);

If you have a Vendor's Quote, pls. attached it to this Request;

If more than $5,000, the item(s) will be sent out for bid.)

Name: Honeywell International Inc

Address: 1150 W Grove Pky

Tempe, AZ 85823

Phone: 602-687-1730 **Contact Name (Vendor)** John Spanbauer

Fax:

ITEMS NEEDED:

CF Part Number	Product Description	Vendor Part Number	Quantity	Unit Cost	Extended Cost
NCF02353	G2 HDTV Remote, TV-R	TV-R	4	$1,009.35	**4,037.40**
NCF02331	Flat Panel Monitor / Smart HDTV 40-43", FPM-S	FPM-S	4	$1,195.43	**4,781.72**
NCF02332	Flat Panel/TV Mount - Universal 23"-46" Tilt, FPM-U	FPM-U	4	$130.41	**521.64**
NCF02334	Push Button, Standard (Black), PB-B	PB-B	5	$119.54	**597.70**
NCF02335	Push Button, Emergency (Red), PB-R	PB-R	2	$119.54	**239.08**
NCF02337	G2 Message Sign STANDARD, MS-G-S	MS-G-S	7	$1,488.38	**10,418.66**
NCF02338	MS-G Adapter Plate, Single, MS-AP-S	MS-AP-S	6	$60.01	**360.06**
NCF02339	MS Mount - Articulating, MS-MNT	MS-MNT	6	$368.55	**2,211.30**
NCF02340	G2 Room Remote 2, RR-2	RR-2	26	$2,200.91	**57,223.66**
NCF02342	G2 Speaker - LED Illuminated - Flush Mount, SPK-LED-FM	SPK-LED-FM	49	$353.43	**17,318.07**
NCF02343	G2 Speaker - OmniAlertStrobe, SPK-OAS	SPK-OAS	2	$1,488.38	**2,976.76**
NCF02344	Speaker, Standard, Flush Mount, SPK-STD-FM	SPK-STD-FM	27	$125.02	**3,375.54**
NCF02327	Speaker, Standard, Surface Mount, SPK-STD-SM	SPK-STD-SM	1	$148.84	**148.84**
NCF02345	Speaker - App Bay/Outdoor - Weatherized, SPK-W-SM	SPK-W-SM	12	$353.19	**4,238.28**
NCF02328	Audio Amplifier, AMP	AMP	1	$1,158.89	**1,158.89**
NCF02329	Audio Amplifier Shelf, AMP-S	AMP-S	1	$86.18	**86.18**
NCF02333	G2 I/O Remote, IOR	IOR	1	$1,423.35	**1,423.35**
NCF02336	G2 Message Remote, MR2	MR2	1	$1,657.29	**1,657.29**
NCF02528	G2 Strobe Light, STR-2	STR-2	2	$625.12	**1,250.24**

Info Item IV-A
Request to change part number and description for PO 1008423 to match what is shown in this request for requisition.

NCF02324	Rack Mount Ears for ATX or EXP, ATX-E	ATX-E	2	$70.66	141.32
SCF00366	Station Project Management, ST-PM	ST-PM	22000	$1.00	22,000.00
NCF02347	License, G2 VoiceAlert, Single Station, VA	VA	2	$1,354.42	2,708.84
NCF02323	Controller, G2 ATX Station, ATX	ATX	2	$21,783.06	43,566.12
NCF02325	ATX UPS, Standard, UPS-STD	UPS-STD	2	$943.35	1,886.70
NCF02326	Shelf/Bracket, Wall-Mount for UPS, UPS-WMB	UPS-WMB	2	$71.61	143.22
SCF00365	& Start-Up, ST-SU	ST-SU	8000	$1.00	8,000.00
SCF00367	Design Services, ST-ES	ST-ES	1500	$1.00	1,500.00
NCF02353	ARE, TV-R	TV-R	2	$1,009.35	2,018.70
NCF02333	RE, IOR	IOR	1	$1,494.52	1,494.52
NCF02337	G2 Message Sign Standard - SPARE, MS-G-S	MS-G-S	2	$1,488.38	2,976.76
NCF02340	G2 Room Remote 2 - SPARE, RR-2	RR-2	2	$2,200.91	4,401.82
SCF00358	Training, Installation Contractor, 8 hours, Onsite, TRA-IC-O	TRA-IC-O	6656.35	$1.00	6,656.35
SCF40640	Freight (Estimated)		3920	$1.00	3,920.00
SCF00350	Station Installation - Westfield, ST-INST	ST-INST	124518.58	$1.00	124,518.58
SCF00350	Station Installation - Eastfield, ST-INST	ST-INST	137807.41	$1.00	137,807.41
SCF00350	Station Installation - Centerfield, ST-INST	ST-INST	86959.03	$1.00	86,959.03
SCF00350	Station Installation - Admin Bldg, ST-INST	ST-INST	57794.3	$1.00	57,794.30
SCF00350	Station Installation - ITF, ST-INST	ST-INST	67057.97	$1.00	67,057.97
Total					689,576.30

Info Item IV-A
Request to change this part number from NCF to SCF for PO 1008243

If Designee for any of the authorized directors listed below, please attach a designee form.

Colin Paterson — Jan 9, 2026
Requisition Requestor - OAR

Scott Shedek — Jan 9, 2026
Vice President (approval amount $10,000)

Marquez Griffin — Feb 6, 2026
Sr. Vice Presidents Signature (approval amount $50,000)

Jeffrey Brown — Feb 6, 2026
Chief Development Officer (approval amount $100,000.00)

Chief Financial Officer Signature (approval up to $10M for capital items) — Date