CONSTRUCTION COMMITTEE MEETING AGENDA

DATE: Tuesday, November 21, 2023
TIME: 9:00 a.m.
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 AMENDMENT TO ADDENDUM NO. 45 TO THE ARCHITECT OF RECORD FOR SOUTH TERMINAL C, PHASE 1, AGREEMENT WITH HNTB CORPORATION FOR ADDITIONAL CONSTRUCTION PHASE SERVICES FOR BID PACKAGE BP-S00195, TERMINAL C, PHASE 1 EXPANSION (P1X), AIRSIDE CONCOURSE (GATES C250 – C253), AT THE ORLANDO INTERNATIONAL AIRPORT.

B. REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING ELECTRICAL CONSTRUCTION SERVICES AGREEMENT WITH ELECTRIC SERVICES, INC. FOR **E-S00015** TERMINAL C KVAR PILOT PROJECT PROGRAM, AT THE ORLANDO INTERNATIONAL AIRPORT.

C. REQUEST FOR APPROVAL TO REJECT ALL BIDS RECEIVED SEPTEMBER 14, 2023 AND REQUEST FOR RECOMMENDATION OF APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING LOW VOLTAGE CONSTRUCTION SERVICES AGREEMENT WITH QUALITY CABLE CONTRACTORS, INC., FOR THE AWARD OF E-00281 AS4 PA SYSTEM UPGRADE AT THE ORLANDO INTERNATIONAL AIRPORT.

D. REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING ELECTRICAL CONSTRUCTION SERVICES AGREEMENT WITH POWER ENGINEERING GROUP, INC. FOR **E-00287** PARKING GARAGE EV CHARGING STATIONS, AT THE ORLANDO INTERNATIONAL AIRPORT.

E. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONTINUING HORIZONTAL CONSTRUCTION SERVICES AGREEMENT WITH THE MIDDLESEX CORPORATION FOR THE AWARD OF H-00361 JFB (LOOP ROAD) TERMINAL B ENTRANCE RECONFIGURATION (DESIGN/BUILD), AT THE ORLANDO INTERNATIONAL AIRPORT.

F. REQUEST FOR RECOMMENDATION OF AWARD OF V-00982 MCO CAMPUS KEY AND LOCK REPLACEMENT TO H.A. CONTRACTING CORPORATION, AT THE ORLANDO INTERNATIONAL AIRPORT.

G. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE GENERAL CONSULTING SERVICES PROFESSIONAL AGREEMENT WITH RICONDO & ASSOCIATES, INC. FOR **W-00496** NORTH TERMINAL REFRESH FOR AIRSIDES 1, 2, AND 3 RESTROOM IMPROVEMENTS, AT THE ORLANDO INTERNATIONAL AIRPORT.

H. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONSTRUCTION PAYMENT APPLICATION AND INVOICE REVIEW, FINANCIAL CONSULTING FOR THE CAPITAL IMPROVEMENT PROGRAM (CIP) AND CAPITAL INITIATION REQUESTS (CIR); AND AUDIT AND ADVISORY SERVICES AGREEMENT (CATEGORY 6) WITH CARR, RIGGS & INGRAM LLC.

I. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 3 TO THE CONSTRUCTION PAYMENT APPLICATION AND INVOICE REVIEW, FINANCIAL CONSULTING FOR THE CAPITAL IMPROVEMENT PROGRAM (CIP) AND CAPITAL INITIATION REQUESTS (CIR); AND AUDIT AND ADVISORY SERVICES AGREEMENT (CATEGORY 2) WITH CARR, RIGGS & INGRAM LLC.

J. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 4 TO THE CONSTRUCTION PAYMENT APPLICATION AND INVOICE REVIEW, FINANCIAL CONSULTING FOR THE CAPITAL IMPROVEMENT PROGRAM (CIP) AND CAPITAL INITIATION REQUESTS (CIR), AND AUDIT AND ADVISORY SERVICES AGREEMENT (CATEGORY 3) WITH CARR, RIGGS & INGRAM LLC.

K. REQUEST FOR APPROVAL OF A NO-COST AMENDMENT TO ADDENDUM NO. 10 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH THE RODERICK GROUP, INC. DBA ARDMORE RODERICK FOR ADJUSTMENT OF LABOR RATES AND DECREASE IN OAR STAFFING HOURS ESTIMATE FOR THE **BP-00497** MCO TAXIWAYS G&H REHABILITATION – PHASE 1, INCLUDING THE BASE BID AND ADD ALTERNATES 1, 2 & 3 AT THE ORLANDO INTERNATIONAL AIRPORT.

L. REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 26 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH GEOTECH CONSULTANTS INTERNATIONAL, INC. DBA GCI INC. FOR ADDITIONAL DESIGN AND CONSTRUCTION PHASE OAR SERVICES FOR **BP-S00199** TRAIN STATION PASSENGER DROP-OFF LOBBY PARKING LOT (DESIGN/BUILD), AT THE ORLANDO INTERNATIONAL AIRPORT.

M. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH GEOTECH CONSULTANTS INTERNATIONAL, INC. DBA GCI INC. TO PROVIDE CONSTRUCTION PHASE OAR SERVICES FOR **E-00281** AIRSIDE 4 PA SYSTEM UPGRADE, AT THE ORLANDO INTERNATIONAL AIRPORT.

N. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC. DBA PSA MANAGEMENT INC. TO PROVIDE CONSTRUCTION PHASE OAR SERVICES FOR **E-00287**, GARAGE EV CHARGING STATIONS, AT THE ORLANDO INTERNATIONAL AIRPORT.

O. REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 2 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES WITH THE RODERICK GROUP, INC., DBA ARDMORE RODERICK FOR A NO COST REALLOCATION TO PROVIDE LABORATORY TESTING SERVICES FOR **H-00328** FY 2023 AIRSIDE 3 RAMP SLAB REPLACEMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.

P. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES WITH COST MANAGEMENT, INC. DBA CMI FOR COST ESTIMATING SERVICES FOR **W-S00211** TERMINAL C, PHASE 2, PROGRAM AT THE ORLANDO INTERNATIONAL AIRPORT.

Q. REQUEST FOR RECOMMENDATION OF APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 7 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES WITH PSA CONSTRUCTORS, INC. DBA. PSA MANAGEMENT, INC. FOR CONSTRUCTION PHASE OAR SERVICES FOR V-00982 MCO CAMPUS KEY & LOCK REPLACEMENT.

R. REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM N0. 11 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH THE RODERICK GROUP, INC., DBA ARDMORE RODERICK FOR CONSTRUCTION PHASE OWNER'S AUTHORIZED REPRESENTATIVE SERVICES FOR **V-00992** REHABILITATION OF STRUCTURAL STEEL COMMERCIAL LANES CANOPIES, AT THE ORLANDO INTERNATIONAL AIRPORT.

S. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE EXECUTIVE PROGRAM MANAGEMENT AND OVERSIGHT SERVICES FOR TERMINAL C PROGRAMS AGREEMENT WITH JACOBS PROJECT MANAGEMENT CO. FOR PROGRAM DEFINITION DOCUMENT SUPPORT FOR TERMINAL C, PHASE 2, PROGRAM AT THE ORLANDO INTERNATIONAL AIRPORT.

V. INFORMATION ITEMS

A. Field Change Order (FCO) Log

B. Revised Information Item for the Recommendation of Approval of an Amendment to Addendum No. 3 to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. to provide Additional Core Team Executive Project Management and Oversight (PMO) Services for Terminal C Programs for W-S00149 Program Management and Oversight (PMO) Services for Terminal C Programs at the Orlando International Airport [From the Construction Committee on September 19, 2023, Item No. III-H].

C. Revised Memoradum for the Approval of an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. to provide Design Phase OAR Services for V-S0038 Terminal C Level 2 Moving Walkways at the Orlando International Airport [From the Construction Committee on October 24, 2023, Item No. IV-D].

D. Revised Memoradum for the Approval of Contractor Final Payment Authorization for Turner-Kiewit Joint Venture for GMPS [From the Construction Committee on November 7, 2023, Item No. IV-G].

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 (www.orlandoairports.net). Please contact the Chief Administrative Officer, Ms. Yovannie Rodriguez, with questions at (407) 825-7105.

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 November 30, 2023. 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. Kevin J. Thibault, via email at kevin.thibault@goaa.org, with a copy to yovannie.rodriguez@goaa.org.

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, December 5, 2023, at 9:00 a.m.

CONSTRUCTION COMMITTEE MEETING
CHANGE ORDER AGENDA
Tuesday, November 21, 2023

ITEM	CHANGE ORDER	AMOUNT	TIME IMPACT	DESCRIPTION OF CHANGE
III-A	BP-S00183-14	$0.00	0 (Substantial) 0 (Final)	FINAL CHANGE ORDER Buildout of ASC Level 1, West Concourse (Design/Build) **Contractor: The Collage Companies**
III-B*	BP-00496-06	($831,203.80)	42 (Substantial) 0 (Final)	FINAL CHANGE ORDER East Airfield Taxiways Rehabilitation - Phase 2 **Contractor: Hubbard Construction Company**
III-C*	H-S00029-06	($117.00)	150 (Substantial) 0 (Final)	VARIOUS REVISIONS Airfield Civil Restart Enabling Work **Contractor: The Middlesex Corporation**
III-D	H-00328-01	($234,823.72)	0 (Substantial) 0 (Final)	VARIOUS REVISIONS FY 2023 AS 3 Ramp Slab Rehabilitation **Contractor: Carr & Collier Inc.**
III-E	V-00988-02	$39,750.29	0 (Substantial) 0 (Final)	VARIOUS REVISIONS Beachline Warehouse Roof Replacement **Contractor: H.A Contracting Corporation**

***Requires Board approval.**

GREATER ORLANDO AVIATION AUTHORITY
Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827-4392

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. #14	AMOUNT ($20,885.02)	Extension Of Time (Subst.): 0 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	BP-S00183 Buildout of ASC Level 1, West Concourse (D/B)	DATE: 11/21/23
CONTRACTOR:	The Collage Companies	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT: **FINAL CHANGE ORDER**

Item #1 (RCO 6): This is a negotiated settlement for all costs associated with the electrical revisions identified in Request for Change Order 06. Work includes all labor, material and equipment to procure and install four (4) new electrical panels (7LRTW1A, 7LRTW2A, 7EXLRTW1, and 7EXLRTW2), modify the circuit breakers in two (2) panels (7EQHRMW15B and 7EXLRW15B), and install power receptacles in the shared tenant communications rooms.
Add: $22,401.20

Item #2: Allowance Reduction - Reduce the Owners Allowance by $22,401.20 from $43,286.22 to $20,885.02 cover the cost of Item #1.
Deduct: ($22,401.20)

Item #3: Allowance Reduction - Reduce the Owners Allowance by $20,885.02 from $20,885.02 to $0.00 to close out the Owner's Allowance.
Deduct: ($20,885.02)

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

REASON FOR CHANGE:

Item #1: Design Progression. The original contractor pricing was based on the 95% design submittal. This change represents a negotiated price for revisions to the design based on Owner's needs and field conditions encountered during construction. This change includes added normal and emergency distribution panels in the two shared tenant comm rooms, and changes in panels to tie-in circuits.

Item #2: Allowance Reduction – Reduce the Owner's allowance to cover the cost of Item #1.

Item #3: Allowance Reduction – Reduce the Owner's allowance to $0.00 for project closeout.

SOURCE OF FUNDS: PREVIOUSLY APPROVED GENERAL AIRPORT REVENUE BONDS

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

EXPLAIN:

Previously Presented Bulletin(s):	N/A		(Copy Attached)
Previously Approved Field Change Order(s):	N/A		(Copy Attached)
Contractor's Original RCO Submission	$ 23,266.21		
GOAA/OAR Estimate	$ 22,755.25		
(a) Change Contract Amount By			**$ ($20,885.02)**
(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)			**$ ($20,885.02)**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00

PREPARED BY: Jamie McGonagill, GCI				PHONE: X6565
*NOTE: All Agenda Items are to be submitted to **GOAA's Construction-Engineering-Financial (CEF) Consultant** (i.e., Anser Advisory, LLC). The deadline for the agenda items is **no later than 3:00 p.m. on Tuesdays, two weeks** preceding the intended Construction Committee meeting.*				
GOAA's CEF Consultant ANSER ADVISORY	Date Received: 11/08/2023	Date Review Completed: 11/14/2023	Initials of Reviewer: ZTG	Verification of Funding by CF Melvin Martinez

COLLAGE
CONSTRUCTION ■ INTEGRATED SERVICES

Request for Change Order

NO. 6

Project#: *59780* *GOAA BP-S00183 S Terminal BuildOut* ***Date:*** *11/19/21*

DATE QUOTED: 11/19/2021

TO: **Greater Orlando Aviation**
5850 B Cargo Road
Orlando, FL 32827

ARCH. PROJECT NO.

RETURN BY:

REQUESTED EXTENSION OF TIME IN DAYS: 0

OUR JOB#: 59780

DESCRIPTION:
Electrical Scope Modifications from the 95% Construction Documents to 100% Construction Documents.

SUBCONTRACTORS / VENDORS	SUB / VENDOR WORK DESCRIPTION	AMOUNT:
Sentry Electric, Inc. of Central Florida	Electrical Scope Modifications	~~$21,949.25~~ 21,133.19

APPROVAL

ARCH: _____

DATE: _____

OWNER: _____

DATE: _____

SUBTOTAL:		~~$21,949.25~~
FEE PERCENT:	6.00% 1267.91	~~$1,316.96~~
OVERHEAD:	0.00%	$0.00
BOND:	0.00%	$0.00
	0.00%	$0.00
	0.00%	$0.00
TOTAL REQUEST AMOUNT:		~~$23,266.21~~

DISTRIBUTION

THE COLLAGE COMPANIES 22,401.20

Signed By: _____

Mike Brozzo, Project Manager

Date: _____

RCO C

Sentry Electric, Inc.

1313 28th Street
Orlando, FL 32805
PH: 407.843.0207
www.sentry.cc

CHANGE NOTICE

The Collage Companies
585 Technology Park Rd
Lake Mary, FL 32746
Telephone: 407.829.2257
Contact: Mike Brozzo

PR# 1
Date: 9/24/2021
Project Name: GOAA BP-183
Project Number: 1173

Site Address:

GOAA BP-S0183 Buildout ASC Level 1
Contact: Michael Gioia
Orlando International Airport
Orlando, FL

Work Description & Terms

Provide the following Electrical Scope modifications as reflected in the 100% Drawings

- E1.11.19 Panel designation for receptacle circuits revised to 7EQLRMW15B
- IDF RM 01.5147
  - **Added -**
  - Dup Rec 7EXLRTW1A-1
  - Dup Rec 7EXLRTW1-2
  - 30A L6-30R 7LRTW1A-2,4
  - Dup Rec 7EXLRTW1-2
  - **Revised -**
  - 7LRTW1-2 to 7LRTW1A-1
  - 7LRTW1-4 to 7EXLRTW1-1
  - 7LRTW1-8 to 7EXLRTW1-3
  - 7LRTW1-6 to 7LRTW1A-3
  - 7LRTW1-10 to 7EXLRTW1-5
  - 7LRTW1-12 to 7LRTW1A-5
  - 7LRTW1-14 to 7EXLRTW1-7
  - 7LRTW1-16 to 7LRTW1A-7
  - **Deleted -**
  - Quad Rec 7ELRUPSW15B-40
- IDF RM 01.5084
  - **Added -**
  - Dup Rec 7EXLRTW2-2
  - Dup Rec 7EXLRTW2-2
  - Dup Rec 7EXLRTW2-2
  - 30A L6-30R 7LRTW2A-2,4
  - Panel 7LRTW2A
  - Panel 7EXLRTW2
  - **Revised -**
  - Outlets to Opposite Wall - 11ft delta
  - 7LRTW2-26 to 7EXLRTW2-1
  - 7LRTW2-22 to 7EXLRTW2-3
  - 7LRTW2-20 to 7LRTW2A-3
  - 7LRTW2-18 to 7EXLRTW2-5
  - 7LRTW2-16 to 7LRTW2A-5
  - 7LRTW2-15 to 7EXLRTW2-7
  - 7ELRUPSW15B-42 to 7LRTW2A-7

ORIGINAL

Sentry Electric, Inc.

Site Address:

GOAA BP-S0183 Buildout ASC Level 1
Orlando International Airport
Orlando, FL

CHANGE NOTICE

PR# 1
Date: 9/24/2021

Orlando, FL 32805
PH: 407.843.0207
www.sentry.cc

- **Deleted -**
- Quad Rec 7LRTW2-24

- ELECTRICAL RISER E4.00.01
- Added Panel 7LRTW1A & Associated Feeder
- Added Panel 7EXLRTW1 & Associated Feeder
- Added Panel 7LRTW2A & Associated Feeder
- Added Panel 7EXLRTW2 & Associated Feeder

Itemized Breakdown

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
3/4" CONDUIT - EMT	225	112.03 C	252.07	4.00 C	9.00
1" CONDUIT - EMT	442	193.00 C	853.06	5.06 C	22.37
3/4" CONN SS STL - EMT	14	22.57 C	3.16	12.50 C	1.75
3/4" COUPLING SS STL - EMT	29	27.64 C	8.02	5.00 C	1.45
1" COUPLING COMP STL - EMT	44	53.00 C	23.32	13.75 C	6.05
1" CONN COMP STL INSUL - EMT	8	54.00 C	4.32	19.50 C	1.56
1" CONDUIT SNAP CLOSE CLIP W/ 1/4-20 THRD HOLE	74	69.41 C	51.36	7.75 C	5.74
1/2 OR 3/4" SNAP CLOSE CLIP - SIDE MNT TO MTL STUI	14	182.49 C	25.55	9.00 C	1.26
1/2 OR 3/4" SNAP CLOSE CLIP ON ANGLE BRKT	14	142.06 C	19.89	10.25 C	1.44
#12 THHN BLACK	346	199.00 M	68.85	6.44 M	2.23
#10 THHN BLACK	527	304.31 M	160.37	7.06 M	3.72
# 6 THHN BLACK	1,828	849.11 M	1,552.17	11.13 M	20.35
#10 THHN RED	70	304.31 M	21.30	7.06 M	0.49
#10 THHN WHITE	70	304.31 M	21.30	7.06 M	0.49
#12 THHN GREEN	187	199.00 M	37.21	6.44 M	1.20
#10 THHN GREEN	70	304.31 M	21.30	7.06 M	0.49
WIRE CONN RED	20	21.73 C	4.35	7.50 C	1.50
4x 1 1/2" SQ BOX COMB KO W/ FLUSH MTL STUD BRKT	7	189.25 C	13.25	28.75 C	2.01
4" SQ 1G PLSTR RING 5/8" RISE	9	51.03 C	4.59	3.13 C	0.28
4" SQ 2G PLSTR RING 5/8" RISE	-2	83.86 C	-1.68	3.13 C	-0.06
GROUND SCREW W/ INSUL #12 LEAD	7	27.10 C	1.90	3.75 C	0.26
#10 TO #12x 1 PLAS ANCHOR (1/4)	16	3.31 C	0.53	8.75 C	1.40
1/4" THREADED ROD - PLTD	221	37.00 C	81.77	3.13 C	6.92
1/4-20 HEX NUT - PLTD STL	74	1.95 C	1.44	2.50 C	1.85
#10x 1 P/H SELF-TAP SCREW	16	0.08 C	0.01	3.75 C	0.60
HAMMER-ON CLIP TO 1/4" FLANGE W/ 1/4" THRD ROD	74	152.90 C	113.15	8.75 C	6.47
#8x 1/2 WAFER HEAD SHEET MTL SCREW	35	6.53 C	2.29	1.88 C	0.66
1G DUPLEX REC PLATE - PLASTIC IVY	7	29.00 C	2.03	3.38 C	0.24
2G DUPLEX REC PLATE - PLASTIC IVY	-2	58.11 C	-1.16	4.88 C	-0.10
1G 1.562" DIAM REC PLATE - 302 S/S	2	0.00 E	0.00	3.75 C	0.07
20A 125V DUP REC - IVY (SG)	3	306.80 C	9.20	25.00 C	0.75
30A 250V 4WIRE 1PH TW-LOCK REC	2	29.27 E	58.54	0.44 E	0.88
100A 4W-24CCT RCSD BREAKER BPB	4	0.00 E	0.00	3.75 E	15.00
#12 WIRE POWER TERM	192	0.00 E	0.00	0.11 E	21.12
#10 WIRE POWER TERM	20	0.00 E	0.00	0.14 E	2.80
# 6 WIRE POWER TERM	16	0.00 E	0.00	0.21 E	3.36
MISC LABELING COST	4	0.00 E	0.00	1.00 E	4.00
Totals	**4,687**		**3,413.46**		**149.60**

Summary

MATERIAL		
General Materials		3,413.46
DISTRIBUTION		5,500.00
Material Subtotal		**8,913.46**
Material Tax	(@ 6.500 %)	579.37

ORIGINAL

Sentry Electric, Inc.

Site Address:

GOAA BP-S0183 Buildout ASC Level 1
Orlando International Airport
Orlando, FL

CHANGE NOTICE

PR# 1
Date: 9/24/2021

Orlando, FL 32805
PH: 407.843.0207
www.sentry.cc

Summary (Cont'd)

Total Material			**9,492.83**
LABOR		51.30	7,674.48
COMPOSITE LABOR	(149.60 Hrs @ ~~$39.50~~)		~~5,909.20~~
Direct Labor Subtotal		7,674.48	~~5,909.20~~
~~Labor Burden~~	~~(@ 38.000 %)~~		~~2,245.50~~
~~Labor Fringes~~	~~(@ 1.800 %)~~		~~146.78~~
Total Labor			~~8,301.48~~
WARRANTY			118.18
MATERIAL HANDLING			136.54
TRASH REMOVAL			68.27
SUPERVISION			709.10
SAFETY / PPE			177.28
Total General Expenses			**1,209.37**
Subtotal		2,756.50	**19,003.68**
Overhead 15%	~~(@ 10.000 %)~~		1,900.37
Markup	~~(@ 5.000 %)~~		~~1,045.20~~
Subtotal			~~21,949.25~~
Final Amount			~~$21,949.25~~

Exclusions:

21,133.19

ORIGINAL

Gexpro
Electrical Supplies. Powerful Service.

Quotation

To: Doug Thomas/Sentry Electric
From: Pete Vrochopoulos/Gexpro
Date: September 23, 2021
Project: OIA STC BP-S193 Westside Buildout
Subject: Switchgear Quotation 100% Drawings

Doug, please see below as requested. This quote is for the added equipment per the Permit Documents dated 6/11/2021.

Panel 7LRTW1A
Panel 7LRTW2A
Panel 7EXLRTW1
Panel 7EXLRTW2

Panel 7EQHRMW15B	*ADD (1) 15/1*
Panel 7EXLRW15B	*ADD (2) 30/3*

Net ADDER *$5,500.00*

All sales transactions are subject to credit approval. Any quotation and all transactions with Rexel are conditioned upon Rexel's Terms and Conditions of Sale located at http://www.rexelusa.com/terms. Quotation is valid for 30 days after the date of issue unless otherwise specified. Items subject to governmental tariffs effective on or after quotation will be price in effect at time of shipment unless otherwise specified. Quotation for commodity items is valid for the day of the quote only unless otherwise specified. All amounts quoted do not include state, local or municipal taxes. Taxes are added at time of sale.

Pete Vrochopoulos
Sales Engineer
7445 Southland Blvd. Suite 601
Orlando, FL 32809

Mobile: 407-383-5216
Office: 407-419-8637
pete.v@gexpro.com

Estimate Summary
BP-S183 - 95% to 100% Drawing Changes
OAR Estimate

Description	Quantity	Unit	Material	Labor	Equipment	Cost
Electrical (See detailed breakdown)	1	L.S.				$20,686.59
Direct Cost of Work						**$20,686.59**
General Contractor Mark-up on Sub-Contractor	10%	L.S.				$2,068.66

Grand Total: **$22,755.25**

SHACE CONSTRUCTION SERVICES

Master Bid Summary Information
BP-S183 - 95% to 100% Drawing Changes
OAR Estimate

JOB BREAKDOWN:		
Labor Hours:		136.44
Non-Productive Labor Hours:		20.47
Average Hourly Rate:	$40.00	$40.00
Material Budgeted Dollars:		$8,562.34
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:		$5,457.60
Non-Productive Labor Dollars:		$818.64
Labor Burden:	42.00%	$2,636.02
Labor Dollars Total:		$8,912.26
MATERIAL TOTALS:		
Material Dollars:		$8,562.34
Miscellaneous Dollars:		$0.00
Sales Tax:	6.00%	$513.74
Sur-tax*:	0.50%	$25.00
Material Dollars Total:		$9,076.08
EQUIPMENT TOTALS:		
Company Owned Equipment:	$0.00	$0.00
Outside Equipment Rental:	$0.00	$0.00
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:		$17,988.34
TOTAL JOB MARK-UPS:		
Job Overhead:	15%	$2,698.25
Job Profit:	0%	$0.00
TOTAL COST:		$20,686.59
PERMIT COST:	0.00%	$0.00
BONDING EXPENSE:	0.00%	$0.00
GRAND TOTAL:		**$20,686.59**

*Sur-tax applies to only the first: $5,000.00

SHACE CONSTRUCTION SERVICES

BP-S183 - Change Orders
EXTENSION BY SECTION, SUBTOTALS BY MODULE

Item #	Description	Qty	Price U	Ext Price	Labor U	Ext Labor
	--- 95% to 100% Drawings ---					
	--- Miscellaneous ---					
	--- Drawing Update ---					
1011	3/4" EMT (Difficult)	225.00	115.91 C	260.80	3.53 C	7.94
1012	1" EMT (Difficult)	445.00	204.69 C	910.87	3.75 C	16.69
1477	3/4" Compression Steel Conn	14.00	213.81 C	29.93	0.13 E	1.82
1478	1" Compression Steel Conn	8.00	316.58 C	25.33	0.15 E	1.20
1577	3/4" Compression Steel Cplg	29.00	250.89 C	72.76	0.14 E	4.06
1578	1" Compresskion Steel Cplg	44.00	373.85 C	164.49	0.16 E	7.04
1599	3/4" Plastic Bushing	14.00	26.81 C	3.75	0.01 E	0.14
1600	1" Plastic Bushing	8.00	40.64 C	3.25	0.02 E	0.16
2302	3/4" Metal Stud Conduit Clip	28.00	92.09 C	25.79	4.25 C	1.19
2303	1" Metal Stud Conduit Clip	74.00	96.67 C	71.54	5.00 C	3.70
2577	4-11/16" Square Box w/brkt Comb KO's	7.00	1,385.80 C	97.01	0.25 E	1.75
2731	4" Square-1G Plaster Ring-5/8"D	9.00	210.41 C	18.94	0.07 E	0.63
2736	4" Square-2G Plaster Ring-5/8"D	-2.00	271.59 C	-5.43	0.07 E	-0.14
2790	#12 THHN CU Stranded Wire	540.00	172.32 M	93.05	5.50 M	2.98
2791	#10 THHN CU Stranded Wire	750.00	261.26 M	195.95	6.00 M	4.50
2793	#6 THHN CU Stranded Wire	1,830.00	585.10 M	1,070.73	7.00 M	12.81
3791	125A MLO 240V N1 3P4W 12P Load Cente	4.00	998.00 E	3,992.00	3.40 E	13.60
3828	24 Ckt Flush Cover (QOC24UF)	4.00	125.00 E	500.00	0.45 E	1.80
4367	#14-12-10 Wire Termination Labor	212.00	0.00 E	0.00	0.10 E	21.20
4368	#8-6 Wire Termination Labor	16.00	0.00 E	0.00	0.15 E	2.40
4512	20A/125V Prem Spec Grade Dup Rcpt(5-	3.00	1,515.90 C	45.48	0.24 E	0.72
4544	30A 125/250V 3P4W Tw-Lk Rcpt (L14-30	2.00	34.65 E	69.30	0.26 E	0.52
4673	1G Plastic Duplex Receptacle Plate	7.00	34.70 C	2.43	0.06 E	0.42
4681	2G Plastic Duplex Receptacle Plate	-2.00	69.30 C	-1.39	0.08 E	-0.16
4698	1G SS Sgl Rcpt Plate	2.00	161.80 C	3.24	0.08 E	0.16
4793	4-11/16" Square Box Blank Cvr w/KO	7.00	385.70 C	27.00	0.08 E	0.56
6654	3/8x10 Threaded Rod (per foot)	220.00	95.34 C	209.75	6.29 C	13.84
6662	3/8" Nut	75.00	21.90 C	16.43	0.03 E	2.25
6839	Red Wirenuts	20.00	90.12 M	1.80	1.75 C	0.35
6871	1/4" Concrete Anchor	16.00	47.15 C	7.54	12.00 C	1.92
8063	10x1" HEX HD Sheetmetal Screw	16.00	5.63 C	0.90	0.01 E	0.16
8064	10x1-1/4" HEX HD Sheetmetal Screw	35.00	6.49 C	2.27	0.01 E	0.35
8261	Grndscr&Bare Pigtail	7.00	40.45 C	2.83	1.20 C	0.08
8316	Unistrut Post Base	28.00	23.00 E	644.00	0.35 E	9.80
	--- Drawing Update Total ---			8,562.34		136.44
	--- Miscellaneous Total ---			8,562.34		136.44
	--- 95% to 100% Drawings ---			8,562.34		136.44
	Job Total			8,562.34		136.44

CHACE CONSTRUCTION SERVICES

GREATER ORLANDO AVIATION AUTHORITY
Orlando International Airport, One Jeff Fuqua Boulevard
Orlando, Florida 32827-4399

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER #	**06**	**AMOUNT $**	**(831,203.80)**	**Extension Of Time (Subst.):**	**42 Days**
				Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	BP-496 East Airfield Taxiways Rehabilitation – Phase 2	DATE: 11/21/2023
CONTRACTOR:	Hubbard Construction Company	
A/E:	AECOM Technical Services, Inc.	

DESCRIPTION OF CHANGE TO CONTRACT: **FINAL CHANGE ORDER**

ITEM #1: Final Adjustment of Allowance Amounts:

(a) Add the lump sum of $6,259.18 for actual cost of Airfield Lighting System Modifications on the Schedule A portion of the project. The Contractor obtained all necessary equipment, specialty materials, and technical support from ADB-SAFEGATE Airfield Solutions (ADB) for the ALCS modifications. The Contractor utilized the ADB ALCS furnished materials and paid for the ALCS components within the allowance included in the bid documents. Documentation, meeting time and commissioning of the ALCS were also included. ADB personnel were utilized on site to assure complete integration. **ADD: $6,259.18**

(b) Decrease Schedule A pay item L109-1 Airfield Lighting Control System Modifications: Vendor by $6,259.18.00, from $30,000.00 to $23,740.82. **DEDUCT: ($6,259.18)**

(c) Add the lump sum of $6,259.18 for actual cost of Airfield Lighting System Modifications on the Schedule B portion of the project. The Contractor obtained all necessary equipment, specialty materials, and technical support from ADB-SAFEGATE Airfield Solutions (ADB) for the ALCS modifications. The Contractor utilized the ADB ALCS furnished materials and paid for the ALCS components within the allowance included in the bid documents. Documentation, meeting time and commissioning of the ALCS were also included. ADB personnel were utilized on site to assure complete integration. **ADD: $6,259.18**

(d) Decrease Schedule B pay item L109-1 Airfield Lighting Control System Modifications: Vendor by $6,259.18, from $90,000.00 to $83,740.82. **DEDUCT: ($6,259.18)**

(e) Add the lump sum of $3,300.00 for actual cost of RFID Software and Materials Update for the Schedule A portion of the project. The Contractor obtained all necessary equipment, specialty materials and technical support from MALMS for the RFID modifications. Documentation, meeting time and commissioning of the MALMS updates are also included. **ADD: $3,300.00**

(f) Decrease Schedule A pay item L109-9 RFID Software and Materials Update by $3,300.00, from $4,000.00 to $700.00. **DEDUCT: ($3,300.00)**

(g) Add the lump sum of $13,200.00 for actual cost of RFID Software and Materials Update for the Schedule B portion of the project. The Contractor obtained all necessary equipment, specialty materials and technical support from MALMS for the RFID modifications. Documentation, meeting time and commissioning of the MALMS updates are also included. **ADD: $13,200.00**

(h) Decrease Schedule B pay item L109-9 RFID Software and Materials Update by $13,200.00, from $16,000.00 to $2,800.00. **DEDUCT: ($13,200.00)**

TOTAL COST: $0.00

CC
ITEM III-B
11/21/2023

ITEM #2: Final Quantity Adjustments for Schedule A (see attached quantity adjustment spreadsheet):
DEDUCT: ($554,322.80)

ITEM #3: Final Quantity Adjustments for Schedule B (see attached quantity adjustment spreadsheet):
DEDUCT: ($276,881.00)

ITEM #4: Increase Contract Time for Substantial Completion by **42 calendar days**, from 275 calendar days to 317 calendar days, resulting from unforeseen additional isolated panel replacement required at TWY K and the installation of methacrylate seal coat over the bridges.

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

REASON FOR CHANGE:

ITEM #1: Allowance Reconciliation: Pay item is being adjusted to amount substantiated.

ITEM #2: Final Quantity Adjustments Schedule A: Pay items adjusted to final numbers installed.

ITEM #3: Final Quantity Adjustments Schedule B: Pay items adjusted to final numbers installed.

ITEM #3: Unforeseen Condition: Additional time of 42 days added to substantial completion due to unforeseen additional isolated panel replacement at TWY K. The original documents anticipated the need for some amount of isolated concrete panel replacement as part of the project. However, the section of TWY K adjacent to the TWY K bridge of the B-8 Canal needed three cracked panels replaced. Due to the location, these panels had to be constructed in a separate phase of construction. After the concrete panels were replaced, the crack sealant methacrylate coating was applied first to the TWY K bridge then to the TWY J bridge. This required an additional 42 days to accommodate the removal and replacement of the concrete pavement.

SOURCE OF FUNDS: Previously approved Federal Aviation Administration Funds, Florida Department of Transportation Funds, Capital Expenditure Funds, and General Airport Revenue Bonds

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

EXPLAIN:

Previously Presented Bulletin(s):	None	(Copy Attached)
Previously Approved Field Change Order(s):	None	(Copy Attached)

Contractor's Original RCO Submission	$ (831,203.80)	
GOAA/OAR Estimate	$ (831,203.80)	
(a) Change Contract Amount By		**$ (831,203.80)**
(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)		**$ (831,203.80)**

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 to* ***GOAA's Construction-Engineering-Financial (CEF) Consultant no later than the close of business on Monday*** *for inclusion on the following week's Construction Committee Agenda.*				
GOAA's CEF Consultant ANSER ADVISORY	Date Received: 11/08/2023	Date Review Completed: 11/16/2023	Initials of Reviewer: ZTG	Verification of Funding by CF

ADB SAFEGATE Americas LLC
977 Gahanna Parkway
Columbus, OH 43230

Tel: + 1 (614) 861 1304
Fax: + 1 (614) 864 2069
DUNS:- 82-994-8392

Please remit to:
ADB SAFEGATE Americas LLC
P.O. Box 29160
New York, NY 10087-9160

Invoice 90143738

Bill-To Party	**1002219**
H.L. Pruitt Corporation	
501 Wade Street	
Winter Springs FL 32708	

Ship-To Party:	**2006971**
MCO Orlando Airport	
H.L. Pruit Corporation	
East of Heintzelman Blvd/S Goldenrod Rd	
Construction Site for Deliveries	
Gate 55 on Cargo Rd	
Orlando FL 32827	

Header Information

Document No:	90143738
Invoice Date:	October 25, 2023
Ref Sales Order:	53464
Customer PO:	466 MCO
Airport Code:	MCO-ORLANDO INTL
ADB Contact:	Bob WELTER

Shipping Information

Terms of Payment:	Net 30 days
Terms of Delivery:	EXW - PLANT

We gladly accept:
VISA, MASTERCARD

Pay Item	Contract Item	Inv. Item	SO Item	PartNo./Description	Order Qty	Ship/Inv Qty	Unit Price	Value
	100	1	100	PROJECT UPGRADE	1	1 EA	12,518.36	12,518.36
				Project Upgrade to be completed by PEG				
				Contract No.:40000338				

Sales Amount	$12,518.36
Sales Tax	$0.00
Total Amount due (USD)	$12,518.36

DESTINATION CONTROL STATEMENT:
These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

**** Include Invoice Number and Customer Number with Payment ****
Thank you for your Order and Business !

For billing questions: Voice: 614-861-1304 Fax: 614-864-2069

Breakdown:
Schedule A - $6,259.18
Schedule B - $6,259.18

4. 16 each IRMS Modules

5. 16 each Miscellaneous wiring & components

6. 1 lot Software and graphic upgrades

7. 1 lot ADB SAFEGATE site services and start up

In negotiation with the Owner, ADB SAFEGATE has agreed to one site visit trip for two days to be included within the allowance. This trip shall include all testing and check out of the system and shall include commissioning of the system. ADB SAFEGATE will provide a "Contractor Check List" of items to be completed prior to action by ADB SAFEGATE. The check list shall be completed and signed by the electrical superintendent and submitted to the Engineer. The Contractor shall schedule the ADB SAFEGATE site visit in accordance with the Contractor's schedule. The Contractor shall provide all transportation and escorts required for the ADB SAFEGATE personnel. Should ADB SAFEGATE be required to make a second trip, all expenses shall be the responsibility of the Contractor.

109-6.2 A pay item has been established to provide for payment for the Short Circuit/Coordination/Device Evaluation/Arc Flash Analysis described above in Section L-109-3.19. Each Short Circuit/Coordination/Device Evaluation/Arc Flash Analysis shall be measured by the completed unit installed, in place, completed, and accepted.

BASIS OF PAYMENT

109-7.1 Payment will be made at the contract ~~unit~~ ***Lump Sum*** price for each completed and accepted ***item installed***. This price shall be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, equipment, tools, and incidentals necessary to complete the item. ***Allowance pay items are direct pass through invoices from the specified vendor, to contractor(s) to Owner. The contractor is not allowed any mark up or profit on the allowance pay items. The selected vendor shall detail the scope and work performed on the invoices.***

109-7.2 Pay item L-109-1; Airfield Lighting Control System Modifications – Vendor: is an allowance to enable the Contractor to obtain, all necessary equipment, specialty materials and technical support from ADB for the ALCS modifications. The Contractor will utilize the ADB ALCS furnished materials and will pay for the ALCS components within the allowance included in the bid documents (including sales tax). Documentation, meeting time and commissioning of the ALCS are also included. The Owner shall determine the precise menu of services and associated cost for payment by the Contractor from the set aside allowance – Payment shall be made in accordance with completed vendor invoices. See appendix for ADB statement of work and bill of materials, ALC-MCO-2104-ACE01.

109-7.3 Pay item L-109-2; Airfield Lighting Control System Modifications – Contractor: is a lump sum pay item including all coordination, materials, labor, supervision, and all incidentals required to install the ADB furnished materials and to modify the existing Airfield Lighting Control System (ALCS) including the L-821 control panel modifications in the Air Traffic Control Tower (ATCT), interconnection of the existing tower, vault computers and new Constant Current Regulators (CCR) and monitors, provide and install all controls and monitoring and all modifications necessary for a complete and operational

Quote
ALCMS Upgrade

Proposal Information	
Project Number:	MCO-2104
Estimated By:	Kevin Sharkey
Quote Revision:	1.0: 6/21/2021
Airport:	Orlando International Airport (MCO)
Project Description:	BP-496 TW J, L AND N

This quote is valid for 90 days from quote date and will need to be re-quoted if expired

Company Confidential Information.
This proposal is considered proprietary and confidential and intended for the sole use of ADB SAFEGATE's intended recipient. Any reproduction, retransmission, or sharing of information related to this document is strictly prohibited.

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1. Terms and Conditions

Herein is the project proposal which describes ADB SAFEGATE's interpretation of the work to be completed according to requirements gathered from available specifications, drawings and addendums received at the time of the quote date. Included is the preliminary scope statement, equipment list, block diagram, preliminary schedule, risk analysis and support service responsibilities of ADB SAFEGATE and the installing Contractor.

2. References and Applicable Documents

This Quote information is based on the following applicable documents received as of the indicated quote date. Any changes / addendums that may result in changes to scope of this project will require a change order request.

Reference	Details
Specification Document	MCO BP-496 L-109 Specification, EAST AIRFIELD TAXIWAYS REHABILITATION AND RELATED WORK PHASE 2 (TAXIWAYS J, L, & N)

Table 1: References and Applicable Documents

3. Project Scope Statement

The purpose of this project is to update the existing Airfield Lighting Control and Monitoring System (ALCMS) at Orlando International Airport (MCO) in the 17L lighting vault as part of the East airfield taxiways rehabilitation project. The project scope includes:

3.1 Hardware

- Sixteen (16) Advanced Control Equipment ACE™ distributed control/monitoring units with current voltage monitoring (CVM) and insulated resistance monitoring system (IRMS). The units will be integrated into the existing control structure via serial communication.

3.2 Software

- Integration of sixteen (16) new constant current regulators (CCRs) into the existing ALCMS.
- Minor graphics update to reflect taxiway changes.

RFI – Customer must supply circuit map indicating appropriate minor graphics updates required.

3.3 Travel

- This project will include one (1) onsite trip for uploading new software to all ALCMS computers, commissioning, and training.

4. Scope of Support Services

4.1 Submittal Phase

Technical written and electrical/mechanical Submittal drawings will be delivered within four (4) weeks from receipt of Purchase Order. Equipment will not be released to production until ADB SAFEGATE receives written hard-copy of approved Submittals including written technical proposal and electrical/mechanical drawings. Approved Submittals are ADB SAFEGATE's only indication that the system design is correct and provides ADB SAFEGATE authorization to begin procuring equipment.

4.2 Touchscreen Demonstration

ADB SAFEGATE will provide an electronic demonstration file of the touchscreen control HMI upon receipt of all information from the HMI Working Group.

4.3 Factory Acceptance Test [FAT]

An Un-witnessed Factory Acceptance Test will be performed in-house by ADB SAFEGATE Personnel prior to shipment. FAT Test Reports will be available upon customer request.

4.4 On Site Commissioning and System Acceptance Test [SAT]

ADB SAFEGATE will complete onsite commission and system readiness checks. A witnessed System Acceptance Test will be performed on site by ADB SAFEGATE Personnel to be witnessed by airport owner/owner representative and contractor. Copies of the SAT Reports can be provided upon request.

4.5 Scope Overview Training

Scope Overview Training will be completed during commissioning trip by commissioning engineer personnel. Training will include a review with the end user regarding any pertinent changes that will affect operation of the existing ALCMS.

4.6 Project Documentation

ADB SAFEGATE will provide and Electronic copies of the final As-Installed Drawings.

5. Proposed Project Hardware and Materials

5.1 Project Hardware and Materials List Accuracy

The project equipment list (Bill-of-Material) contained within this proposal is considered complete. ADB SAFEGATE is not liable for any shortage, losses, or damages resulting from any discrepancies, omissions, or errors. This proposal consists of ADB SAFEGATE's best interpretation of the bid documents, plans or specifications available to ADB SAFEGATE at time of quote date. The recipient of this proposal is responsible for the accuracy of this RFQ and is required to immediately inform ADB SAFEGATE of any discrepancies.

5.2 Proposed Hardware

5.2.1 Airfield Lighting Vault (17L)

- Sixteen (16) ACE 3 Combo Boxes with CVM and IRMS

5.3 Bill of Material

ADB Safegate Part Number	Item Description	Quantity
	ALC-MCO-2104-ACE01	
ACE3-CA6BD0010001	Combo Box, 95-265 VAC, 6.6A, CVM & IRMS, 0 INPUTS, 0 OUTPUTS	16

6. Project Critical Milestones and Delivery

The project will be managed with the following milestones involved in the design, production, testing, commissioning, and training for this project.

ID	Milestone	Description
M1	Submittal	Written Proposal / Drawings submitted to customer for review/approval
M2	Submittal Approval	Submittal reviewed by the customer and approved for release
M3	Production Release	Equipment is released for procurement
M4	Touchscreen Demonstration Approval	Preliminary software is completed, and an electronic demonstration file is provided to customer for HMI Design approval
M5	System Assembly	Equipment is assembled and ready for test
M6	Factory Acceptance Testing	Factory Acceptance Testing (FAT) is completed by project team at ADB SAFEGATE
M7	Shipment	System is shipped to installation site
M8	Contractor Installation	Contractor installs equipment, external wiring and completed install checklist
M9	Commissioning	ADB SAFEGATE commissioning team inspects installation, complete commissioning and performs Operational Readiness Test
M10	System Acceptance Testing	System Acceptance Testing (SAT) is witnessed by airport/owner and/or engineer

Table 2 Project Critical Milestones

6.1 Delivery Schedule and Contingencies

Equipment will not be released for purchasing or production until receipt of written approval of Submittals including written technical proposal and electrical/mechanical drawings. This means delivery date of equipment is contingent on length of *Submittal Approval Phase (M2).*

Shipment schedule will be confirmed upon ADB SAFEGATE's receipt of approved written Submittals and/or drawing package.

7. Invoicing

ADB SAFEGATE will invoice for completed work based on schedule milestone completion as follows:

ID	Invoice Milestone	Description
M6	Factory Acceptance Test	Once FAT is completed (witnessed or un-witnessed), ADB SAFEGATE will invoice for costs associated with software, production and FAT.
M7	Shipment	Equipment will be invoiced when shipped
M10	SAT	Upon completion of commissioning responsibilities and completion of SAT, ADB SAFEGATE will invoice for project completion.

Table 3 Invoicing Schedule

8. ADB SAFEGATE Responsibilities

Unless otherwise indicated in an additional Request For Quote (RFQ) from the contractor, ADB SAFEGATE's project team will provide the following services as required for the project described herein:

- Coordinate and plan with Contractor schedule for system commissioning. Coordinate date for switchover to new system pending completion of Contractor's responsibilities
- Coordinate and plan with Contractor schedule for Air Traffic Control (ATC) and Maintenance training sessions per project requirements. Please refer to Contractor responsibilities
- Inspect Contractor's computer system work and installation. Inform Contractor of any discrepancies and incomplete work
- Complete the commissioning of the control and monitoring system comprising of:
  - Confirm proper location and installation of distributed control (ACE™) units
  - Power up and test (ACE™) units
  - Inspect Contractor's communication installation (fiber optics, hard-wire or wireless)
  - Power up and test control system communication lines.
- Perform operational readiness test (ORT) to demonstrate proper operation prior to system switchover.
- Make any hardware/software changes that are contractual requirements within scope
- Perform ATC and Maintenance training on agreed scheduled times
- Assist Contractor with computer system switchover.
- Perform final System Acceptance Test (SAT) with owner/owner representative and contractor
- Resolve any punchlist items that are contractual requirements within scope
- Record owner/owner representative system acceptance and provide formal SAT record upon request
- Provide required sets of Operator Manuals, As-Built drawings
- Pack up and ship service tools and extra commissioning material

9. Contractor Responsibilities

Unless otherwise indicated in an additional Request For Quote (RFQ) from the contractor, the Contractor is responsible for the following services as required for the project described herein:

- Provide manpower and airport escorts as needed through entire installation, commissioning, and testing effort.
- Coordinate all on-site training activities including ATC training, maintenance training and operations training.
- Install all distributed control (ACE™) units in appropriate locations.
- Install all required conduit, wireway, wire and miscellaneous material needed for a proper installation that meets all contract requirements regarding code and safety. This includes installation between ACE™ and the computer cabinet.
- Make terminations for all ACE™ units. Terminations include landing, labeling and dressing all wire connections within the ACE™ unit, inside the Constant Current Regulator (CCR) and any other equipment being controlled or monitored by the control system, including but not limited to, Beacons, Generators, Auto-Transfer Switches, Approach systems and RVR equipment.
- Install all monitoring equipment including Current Voltage Modules (CVM), Insulation Resistance Modules (IRM), Current Sensing Relays in each corresponding CCR or circuit selector switch equipment.
- Install all high voltage and low voltage wiring and complete terminations between the CVM / IRM / CSR the CCR or Circuit Selector and the ACE™ units.
- Provide and install any auxiliary relays, contact points or circuit cards required for remote/local and primary power feedback for those CCRs that do not have appropriate output contact points. Other manufacturer CCRs may not offer these points and require additional hardware.
- Make all terminations between the auxiliary relays / contact points / circuit cards and the ACE™ unit.
- Properly locate and secure all computer cabinets and equipment in their final locations according to contract.
- Provide input power for all ACE™ units, computer cabinets, computers, printers, UPS's, etc.
- Provide proper grounding for all ACE™ units, computer cabinets
- Provide and install all communication fiber, wire and peripherals as needed for a complete communication system. This includes pulling and terminating all field fiber cabling (including spares), provide and install fiber patch panel, conduit and fiber patch cables between patch panels and computer cabinet.
- Perform all fiber communication terminations. This includes terminating all fiber strands with appropriate style connectors (including spares) and connecting into fiber patch panel.
- Provide and install in conduit all fiber patch cables between fiber patch panel and computer cabinet.
- Perform entire fiber optic communication testing including attenuation testing and generate test report for submission to Engineer and ADB SAFEGATE.
- Provide and install all hard-wire communication and peripherals as needed for a complete communication system. Including providing junction boxes / terminal cabinets as required.
- Install and terminate all cabling (including spares), between junction boxes and computer cabinet.
- Install control panel(s) and/or Touchscreen(s) in the ATC cab. This includes all carpentry type work and material required to match existing cabinet/console installation in ATC cab.
- Provide all power requirements at the Touchscreen and the Tower computer cabinet and install all cables between ATC cab and the tower computer cabinet.
- Complete all airfield work such that all CCR loads are in their final configuration and circuits are fully operational (all lamps burning).
- Coordinate and provide manpower for completion of System Acceptance Testing (SAT) assuring appropriate personnel are present to witness and authorize the test report.
-

GREATER ORLANDO AVIATION AUTHORITY
Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827-4392

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 06	AMOUNT ($117.00)	Extension Of Time (Subst.): 150 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	H-S00029, Airfield Civil Restart Enabling Work	DATE: 11/21/2023
CONTRACTOR:	The Middlesex Corporation	
A/E:	HNTB, Inc. (OAR Packaged)	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1: Adjustment of Owner's Allowance for Existing Utilities Demo:

(a) Add the lump sum of $72,119.79 for the existing demolition under force account completed between 10/3/23 and 10/26/23. **ADD: $72,119.79**

(b) Decrease Owner's Allowance for Existing Utilities Demolition by $72,119.79 from $217,617.00 to $145,497.21. **DEDUCT: ($72,119.79)**

ITEM #1 COST: $0.00

Item #2: Interim Quantity Adjustments:

(a) Decrease pay item 11, P-152 Unsuitable Excavation, by 689 CY from 2,000 CY to 1,311 CY at the contract unit price of $18/CY. **DEDUCT: ($12,402.00)**

(b) Decrease pay item 14, 6"PVC SDR 26 Pipe, by 214 LF from 302 LF to 88 LF at the contract unit price of $75.00/LF. **DEDUCT: ($16,050.00)**

(c) Decrease pay item 23, L-109 4W4" SCHEDULE 40 PVC GOAA COMM CONCRETE ENCASED DUCT, by 46 LF from 751 LF to 705 LF at the contract unit price of $175.00/ LF. **DEDUCT: ($8,050.00)**

(d) Increase pay item 24, 26 05 12 1W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT, by 295 LF from 262 LF to 557 LF at the contract unit price of $133.00/ LF. **ADD: $39,235.00**

(e) Decrease pay item 25, 26 05 12 2W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT, by 200 LF from 506 LF to 306 LF at the contract unit price of $185.00/LF. **DEDUCT: ($37,000.00)**

(f) Decrease pay item 26, 26 05 12 4W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT, by 25 LF from 1,249 LF to 1,224 LF at the contract unit price of $300.00/LF. **DEDUCT: ($7,500.00)**

(g) Increase pay item 27, 26 05 12 12W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT, by 49 LF from 551 LF to 600 LF at the contract unit price of $850.00/ LF. **ADD: $41,650.00**

ITEM #2 COST: ($117.00)

Item #3: Increase the Contract Time for Substantial Completion by 150 Calendar Days, From 281 Calendar Days to 431 Calendar Days (Revised Substantial Completion Date of April 13, 2024).

ITEM #3 COST: $0.00

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

REASON FOR CHANGE:

Item #1: Item #1: Owner Requested: The purpose of this enabling project is to facilitate the construction of the BP-S195, Terminal C Airside Concourse Gates C250-C253, project that is underway and the proposed BP-S196, Airfield Civil Phase 1 Expansion, projects including the Ground Support Equipment (GSE) facility. The existing utilities must be removed before the future improvements can be installed. Initially, this scope was to be included with the BP-S196. The design team has worked to perform Subsurface Utility Exploration (SUE) in order to quantify and describe the utility removal. Despite this effort, the work st poses a high risk of unforeseen conditions which could impact the project schedule and budget. By completing this work under the H-S00029 project on a time-and-materials basis, we can mitigate any

CC ITEM III-C 11/21/2023

potential delays. By removing this scope from the bid for BP-S196, we should lower the bid price since the bidders will not need to include the risk premium costs of any unknown underground issues. This item is to utilize the previously established allowance to pursue utility demolition on a force account basis.

Item #2: Unforeseen Conditions: The quantities included in the bid documents were adjusted to actual based on the reconciliation of the final measured quantities as agreed with the Contractor. No survey was available for this area after it was deferred from the previous projects, so the required lengths for items were different from what was estimated.

Item #3: Owner Requested: No cost time extension to support coordination. The original project scope was abridged to make sure that it met the budget. However, favorable bid pricing created a large project contingency. GOAA has used the available contingency budget to add necessary scope to the H-S00029 project as needed to support BP-S195 and the advance the BP-S196 schedule. Time is now being extended to accommodate the current use of the sanitary system until such time as the H-S00028 project is complete. A further explanation is provided in the time extension memo.

SOURCE OF FUNDS: Previously approved Passenger Facility Charges and General Airport Revenue Bonds

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

EXPLAIN: All the proposed work is required either to prepare for BP-S196 or to support the ongoing BP-S195 project.

Previously Presented Bulletin(s):		(Copy Attached)
Previously Approved Field Change Order(s):		(Copy Attached)

Contractor's Original RCO Submission	$ (117.00)		
GOAA/OAR Estimate	$ (117.00)		
(a) Change Contract Amount By		**$**	**(117.00)**
(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)		**$**	**(117.00)**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00
PREPARED BY: Ben Brown		PHONE: X4155	

*NOTE: All Agenda Items are to be submitted to **GOAA's Construction-Engineering-Financial (CEF) Consultant** (i.e., Anser Advisory, LLC). The deadline for the agenda items is **no later than 3:00 p.m. on Tuesdays, two weeks** preceding the intended Construction Committee meeting.*

GOAA's CEF Consultant	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by CF
Anser Advisory	11/08/2023	11/14/2023	MM	Melvin Martinez

Item #1: ADJUSTMENT OF OWNER’S ALLOWANCE FOR Existing Utilities Demolition

THE MIDDLESEX CORPORATION 10801 Cosmonaut Blvd Orlando, FL 32824 Ph: (407) 206-0077 Fax: (407) 206-3559	Project Description Confidential Financial Proprietary Information Exempt From Public Records law Pursuant To Chapter 119 And Florida Stature S.815.045. Pricing Specific To The OIA South Terminal Project And May Not Be Used Against Subcontractor On Any Future Project At GOAA Or Elsewhere.	GOAA	TMC Project:	2100
DESCRIPTION OF WORK / DELAY: HS29 Airfield Civil Restart -Tracking Sheet for Utility Demo		$77,371.45	Contract:	HS29
			Date:	11/8/2023

LABOR						EQUIPMENT					MATERIAL				
	DESCRIPTION	QTY	TOTAL HOURS	RATE	AMOUNT	DESCRIPTION	QTY	TOTAL HOURS	RATE	AMOUNT	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
	10-2-23 to 10-6-23														$ -
	Crew Leader	1	28	65.84	$ 1,843.52	Truck - 1/2 Ton	1	28	17.69	$ 495.32					$ -
	Oper - Roller	1	28	33.09	$ 926.52	Truck - 3/4 Ton	1	24	25.22	$ 605.28					$ -
	Laborer - Skilled	3	28	31.14	$ 2,615.76	Excavator - Rubber-Tire Excavator C	1	28	124.65	$ 3,490.20					$ -
					$ -	Loader - CAT 950 4-5 CY	1	10	66.88	$ 668.80					$ -
					$ -	Roller - Remote Control	1	8	99.06	$ 792.48					$ -
					$ -	Truck - 1/2 Ton	1	18	17.69	$ 318.42					$ -
					$ -					$ -					$ -
	10-9-23 to 10-13-23														$ -
	Crew Leader	1	33.5	65.84	$ 2,205.64	Truck - 1/2 Ton	2	33.5	17.69	$ 1,185.23					$ -
	Oper - Roller	1	29.5	33.09	$ 976.16	Truck - 3/4 Ton	1	27.5	25.22	$ 693.55					$ -
	Laborer - Skilled	2	33.5	31.14	$ 2,086.38	Excavator - Rubber-Tire Excavator C	1	27	124.65	$ 3,365.55					$ -
	Oper - Loader	1	18	38.46	$ 692.28	Loader - CAT 950 4-5 CY	1	18	66.88	$ 1,203.84	**Material Subtotal**				$ -
	Laborer - Skilled	1	33.5	31.14	$ 1,043.19	Roller - Remote Control	1	31.5	99.06	$ 3,120.39					
					$ -	Excavator - CAT 336 - 33.1 to 40 MT	1	6.5	120.76	$ 784.94					
	10-16-23 to 10-20-23										**Orange County Tax (Surcharge 6.5% up to 5,000)**		$ -	6.50%	$ -
	Crew Leader	1	36.5	65.84	$ 2,403.16	Truck - 1/2 Ton	1	36.5	17.69	$ 645.69					
	Oper - Roller	1	39.5	33.09	$ 1,307.06	Truck - 3/4 Ton	1	39.5	25.22	$ 996.19	**Sales Tax - Over $5,000**				
	Laborer - Skilled	2	39.5	31.14	$ 2,460.06	Excavator - CAT 336 - 33.1 to 40 MT	1	36.5	120.76	$ 4,407.74					
	Laborer - Skilled	1	24	31.14	$ 747.36	Loader - CAT 950 4-5 CY	1	31.5	66.88	$ 2,106.72					
					$ -	Pump - 3" - 4" Trash	1	16	6.68	$ 106.88					
					$ -	Truck - 1/2 Ton	1	11	17.69	$ 194.59					
					$ -	Roller - Remote Control	1	39.5	99.06	$ 3,912.87				**Material Total**	$ -
	10-23-23 to 10-27-23													8%	$ -
	Crew Leader	1	40	65.84	$ 2,633.60	Truck - 1/2 Ton	1	40	17.69	$ 707.60				**TOTAL MATERIAL COSTS:**	$ -
	Oper - Roller	1	40	33.09	$ 1,323.60	Truck - 3/4 Ton	1	40	25.22	$ 1,008.80					
	Laborer - Skilled	2	40	31.14	$ 2,491.20	Excavator - CAT 336 - 33.1 to 40 MT	1	40	120.76	$ 4,830.40	**SUBCONTRACTOR / OUTSIDE SERVICE**				
					$ -	Roller - Remote Control	1	40	99.06	$ 3,962.40	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
					$ -	Backhoe - Rubber-Tire Backhoe - 42	1	30	56.21	$ 1,686.30	Anderson Rentals Dumpsters	2	EA	$ 550.00	$ 1,100.00
					$ -	Pump - 3" - 4" Trash	1	40	6.68	$ 267.20					$ -
					$ -	Loader - CAT 950 4-5 CY	1	10	66.88	$ 668.80					$ -
					$ -					$ -					$ -
					$ -					$ -					$ -
					$ -					$ -					$ -
					$ -					$ -					$ -
					$ -					$ -					$ -
					$ -					$ -					$ -
				Labor Subtotal	$ 25,755.48					$ 42,226.18				**Subcontractor / Out Service Subtotal**	$ 1,100.00
				Markup: 12.00%	$ 3,090.66				**Markup:**	12.00% $ 5,067.14				**Markup:** 12.00%	$132.00
				TOTAL LABOR COSTS:	$ 28,846.14				**TOTAL EQUIPMENT COSTS:**	$ 47,293.32				**TOTAL SUBCONTRACTOR / OUTSIDE SERVICE COSTS:**	$ 1,232.00

Additional Notes / Description:

TOTAL AMOUNTS	
LABOR	$28,846.14
EQUIPMENT	$47,293.32
MATERIALS	
SUBCONTRACTORS / OUTSIDE SERVICES	$1,232.00
SUB-TOTAL	$77,371.45
Bond	
TOTAL	**$77,371.45**

H-S00029 AIRFIELD CIVIL RESTART ENABLING WORK

FORCE ACCOUNT LEDGER

Project: H-S00029 **Contractor:** Middlesex **Dates:**

LOCATION / SITE : South and Southwest of Terminal C

Description of Work Performed: Utility removal

■ **Prime: Middlesex** □ **Subcontractor** □ **Subbordinate Subcontractor**

TYPE OF Labor, Equipment, or Material Used				DATES AND HOURS USED EACH DAY																		COSTS			
Indicate size, capacity , horsepower, make and model as appropriate	**Equipment Code No. FEMA, State or Local**	**OPERATOR or Personel's NAME**	**Usuage**	10/3/23	10/4/23	10/5/23	10/10/23	10/11/23	10/12/23	10/13/23	10/16/23	10/17/23	10/18/23	10/19/23	10/20/23	10/23/23	10/24/23	10/25/23	10/26/23			**Total Hours**	**Rate**	**Quantity**	**Total Costs**
LABOR																									
Crew Leader		William Schaefer		10	10	8	8	9	6.5	8	8	8.5	7	6.5	5	9	9.5	9.5	9.5			132	65.84		$8,690.88
Excavator Operator		Fernando Caralho		6	10	8	4	9	6.5	8	8	8.5	7	6.5	8	9	9.5	9.5	9.5			127	42.01		$5,335.27
Roller Operator																							33.09		
Skilled Laborer		Jean Saint Gerar		10	10	8	8	9	6.5	8	8	8.5	7	6.5	8	9	9.5	9.5	9.5			135	31.14		$4,203.90
Skilled Laborer		Lupert Cambell		10	10	8	8	9	6.5	8	8	8.5	7	6.5	8	9	9.5	9.5	9.5			135	31.14		$4,203.90
Loader Operator		Michale Morales					8	3.5														11.5	31.14		$358.11
Skilled Laborer		Brian McConologue		10	10	8	8	9	6.5	8	8				3							70.5	31.14		$2,195.37
EQUIPMENT																									
Excavator		Fernando Caralho	Active				8	9	6.5	8	8	8.5	7	6.5	5	9	9.5	9.5	9.5			104	120.76		
CAT 336	#TBH580		Idle																					1	$12,559.04
Excavator			Active	10	10	8																28	124.65		$3,490.20
CAT M322 EX502			Idle																					1	
Rubber Tire Backhoe			Active												8	9	9.5	9.5	9.5			45.5	56.21		$2,557.56
CAT 420 F	#RBH508		Idle																					1	
Trench Roller - 25" Vibratory Compactor			Active				8	9	6.5	8		8	7	6.5	8	9	9.5	9.5	9.5			98.5	99.06		$9,757.41
Hamm HTC15 Trench Roller	#TR501		Idle																					1	
Loader - 4-5 CY			Active		10		8	3.5	6.5	8	8	8.5	7	6.5								66	66.88		$4,414.08
CAT 950m	#RL 606		Idle																					1	
Pick Up Truck			Active	6	10	8	4	9		8	8	8.5	7	6.5	8	9	9.5	9.5	9.5			120.5	25.22		$3,039.01
Ford F-250	#201488		Idle																					1	
Pick Up Truck		William Schaefer	Active	10	10		8	9	6.5	8	8	8.5	7	6.5	5	9	9.5	9.5	9.5			124	17.69		$2,193.56
Dodge Ram	#201471		Idle																					1	
Pick Up Truck			Active	10	10	8	8	9	6.5	8	8				3							70.5	17.69		$1,247.15
Ford F-150	#201387		Idle																					1	
Flatbed			Active						2													2	33.54		$67.08
			Idle																					1	
Trench Box - 20'			Active																						
			Idle																					1	
6500W Generator			Active									8.5										8.5			
			Idle																					1	
4" Trash Pump			Active								8	4										12	6.68		
	5WTP411		Idle																					1	$80.16
MATERIALS USED																									
Subcontractor / Outside Service																									
Anderson Rental Dumpsters (per month)																									

TOTALS = $64,392.67

MARKUP = 12% $7,727.12

GRAND TOTAL = **$72,119.79**

I certify that the above information was transcribed from payroll records, invoices, or other documentation which are available for audit.

Inspector: _____ **Signature:** _____ **Date:** _____

Foreman: _____ **Signature:** _____ **Date:** _____

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-10-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

Work started at 9:00 AM they removed the 16" ductile waterline, They used the excavator and the loader to remove the waterline and stack it on the east end of the project. 240 LF removed and backfilled back to existing grade.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	William Schaefer Crew Leader	8	65.84
1	Fernando Carvalho Operator Roller	4	33.09
1	Brian McConologue Laborer Skilled	8	31.14
1	Michale Morales Operator Loader	8	38.46
1	Lupert Cambell Laborer Skilled	8	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 TBH580	8	120.76
1	Ford F-150 P/U 201387	8	17.69
1	Ford F-250 P/U 201488	4	25.22
1	Hamm HTC15 Trench Roller TR501	8	
1	Cat Loader RL 606 CAT 950	8	66.88

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	Jean Saint Gerar Laborer Skilled 8 hours	31.14
1	Dodge Ram 1500 P/U 201471	17.69

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-11-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

Work started at 7:30 AM, they brought in a Cat 336 excavator, and swapped it out with Cat EX 502. They worked on removal of the existing 16" waterline, they removed 300 LF of existing water and backfilled to existing elevation.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	William Schaefer Crew Leader	9	65.84
1	Fernando Carvalho Operator Roller	9	33.09
1	Brian McConologue Laborer Skilled	9	31.14
1	Michale Morales Operator Loader	3.5	38.46
1	Lupert Cambell Laborer Skilled	9	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 TBH580	9	120.76
1	Ford F-150 P/U 201387	9	17.69
1	Ford F-250 P/U 201488	9	25.22
1	Hamm HTC15 Trench Roller TR501	9	
1	Cat Loader RL 606 CAT 950	3.5	66.88

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	Jean Saint Gerar Laborer Skilled	31.14
1	Dodge Ram 1500 P/U 201471 used 9 hours	17.69

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-12-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

They loaded a flatbed with the 16" ductile waterline. They removed 6, 120 LF. They loaded a second flatbed with the removed 16" ductile iron pipe. They were backfilling what was removed and compacting with the double drum compactor. They did not dig anything else due to rain. 7:30 AM to 2:00 PM.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	William Schafer Crew Leader	6.5	65.84
1	Fernando Carvalho Operator roller	6.5	33.09
1	Brian McConologue Laborer Skilled	6.5	31.14
1	Lupert Cambell Laborer Skilled	6.5	31.14
1	Jean Saint Gerar Laborer Skilled	6.5	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 TBH580	6.5	120.76
1	Ford F-150 P/U 201387	6.5	17.69
1	Ford F-250 P/U 201471	6.5	25.22
1	Hamm HTC15 reach Roller TR501	6.5	
1	Cat Loader RL 606 CAT 950	6.5	66.88

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
2	Flatbeds trailers 1 hour to load.	33.54

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-13-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

The contractor removed 75 LF of 20" HDPE. They used the quick saw to cut the pipe out. They did not remove all the pipe, its 14' deep, and will grout the portion under the existing canal. They also were digging to locate the utilities to the west. 7:00. AM to 3:00 PM

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	William Schaefer Crew Leader	8	65.84
1	Fernando Carvalho Operator	8	33.09
1	Brian McConologue Laborer Skilled	8	31.14
1	Lupert Cambell Laborer Skilled	8	31.14
1	Jean Saint Gerar Laborer Skilled	8	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 TBH580	8	120.76
1	Ford F-150 P/U 201387	8	17.69
1	Ford F-250 P/U 201488	8	25.22
1	Hamm Trench Roller HTC15 TR501	8	
1	Cat Loader RL 606 CAT 950	8	66.88

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	Quick saw used 1 hour	
1	Dodge Ram 1500 P/U 201471 used 8 hours	17.69

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-16-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

They were pumping down the water in the drainage structure to see what is going on with the structure. They brought in a trench box, 4'" pump 300' of discharge hose, 40' of suction hose. Located the 24" existing RCP on both sides of the ductbank. They were locating both side of the broken 24" RCP.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	William Schaefer Crew Leader	8	65.84
1	Fernando Carvalho Operator	8	33.09
1	Brian McConologue Laborer skilled	8	31.14
1	Lupert Cambell Skilled Laborer	8	31.14
1	Jean Saint Gerar Skilled laborer	8	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 Excavator TBH580	8	120.76
1	Ford F-150 P/U 201387	8	17.69
1	Ford F-250 P/U 201488	8	25.22
1	4" Pump 300' of Hose, 40' of suction 5WTP411	8	6.68
1	Cat Loader RL 606 CAT 950	8	66.84

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	Trench box 20' at 8.0 hours	
1	Dodge Ram 1500 201471 used 8 hours	17.69

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-17-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

Excavated through the stock pile to get to the waterline. Removal of the 16" ductile iron waterline and the 20" HDPE water line. They removed 35 LF of ductile iron They also removed 75 LF of HDPE waterline. Backfilled the trench back to existing elevation. Wheel walked with Loader.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	William Schaefer Crew Leader	8.5	65.84
1	Fernando Carvalho Operator	8.5	33.09
1	Lupert Cambell Laborer Skilled	8.5	31.14
1	Jean Saint Gerar Laborer Skilled	8.5	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 TBH580	8.5	120.76
1	Dodge Ram 1500 P/U 201471	8.5	17.69
1	Ford F-250 P/U 201488	8.5	25.22
1	Generator	8.5	
1	Cat Loader RL 606 CAT 950	8.5	66.88

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	Chain saw used 1 hour	
1	Hamm HTC15 Trench Roller TR501 used 8 hours	
1	Trash pump 5WTP411 used 4 hours	6.68

Inspector Rich Dobbyn Signature _____

Foreman Bill Schaefer Signature _____

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-18-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:
Removal of the existing 16" ductile iron waterline, They removed 260 LF of ductile iron pipe. They also backfilled and compacted with the Trench roller and loader to bring it back to existing elevation.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	Crew Leader William Schaeffer	7	65.84
1	Operator Fernando Carvalho	7	33.09
1	Laboror Lupert Cambell	7	31.14
1	Laborer Jean Saint Gerar	7	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 # TBH580	7	120.76
1	Dodge Ram P/U #201471	7	17.69
1	Ford F-250 P/U #201488	7	25.22
1	Hamm HTC15 Trench Roller TR501	7	
1	Cat 950m Loader # RL 606	7	66.88

MATERIAL USED		
QUANTITY	**KIND**	**RATE**

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-19-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

They were using the Loader to move the removed ductile iron pipe to the east end of the site. They also started to disassemble the back flow assemblies at the existing Trailer compound and put them on to pallets for GOAA. They removed 60 LF of a single electrical conduit (empty). They stared in the east lot at the back low removing the waterline.

LABOR

NO.	POSITION	TOTAL HOURS	RATE
1	Crew Leader William Schaeffer	6.5	65.84
1	Operator Fernando Carvalho	6.5	33.09
1	Laboror Lupert Cambell	6.5	31.14
1	Laborer Jean Saint Gerar	6.5	31.14

EQUIPMENT

NO. UNITS	KIND	TOTAL HOURS	RATE
1	Cat 336 # TBH580	6.5	120.76
1	Dodge Ram P/U #201471	6.5	17.69
1	Ford F-250 P/U #201488	6.5	25.22
1	Hamm HTC15 Trench Roller TR501	6.5	
1	Cat 950m Loader # RL 606	6.5	66.88

MATERIAL USED

QUANTITY	KIND	RATE

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-20-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

They were using the Rubber tire backhoe to dig out the end of the 16" waterline to cap the end. They bricked up the exposed end of the pipe and backfilled to existing elevation. They started in the east lot removing the 4"PVC waterline working south. They removed 126 LF of pipe.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	Crew Leader William Schaeffer	5	65.84
1	Operator Fernando Carvalho	8	33.09
1	Laboror Lupert Cambell	8	31.14
1	Laborer Jean Saint Gerar	8	31.14
1	Laborer Brian McConologue	3	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 # TBH580	5	120.76
1	Dodge Ram P/U #201471	5	17.69
1	Ford F-250 P/U #201488	8	25.22
1	Hamm HTC15 Trench Roller TR501	8	

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	CAT 420 F Rubber Tire Backhoe RBH508 used 8 hours	56.21
1	Ford F-150 201387. used 3 hours	17.69

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10-23-23

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

They used the excavator to continue the demo of the 4" PVC waterline in the east lot removing from north to south. They removed 235 LF of PVC waterline. They demolished the 2 handicapped parking concrete pads in order to remove the waterline 2@ 30X20' 133.34 SY. They backfilled the trench using the trench roller back to existing elevation.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	Crew Leader William Schaeffer	9	65.84
1	Operator Fernando Carvalho	9	33.09
1	Laboror Lupert Cambell	9	31.14
1	Laborer Jean Saint Gerar	9	31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Cat 336 # TBH580	9	120.76
1	Dodge Ram P/U #201471	9	17.69
1	Ford F-250 P/U #201488	9	25.22
1	Hamm HTC15 Trench Roller TR501	9	

MATERIAL USED		
QUANTITY	**KIND**	**RATE**
1	CAT 420 F Rubber Tire Backhoe RBH508 used 9 hours	56.21

Inspector Rich Dobbyn Signature Rich Dobbyn

Foreman Bill Schaefer Signature Bill Schaefer

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10/24/2023

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime Middlesex Corp ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

Contractor excavated the following utilities and stockpiled them for later removal:
63.5' of 8" Ductile Iron Water Main
34' of 6" Ductile Iron Water Main
1 Fire Hydrant assembly, with 3 valves
Backfilled with dirt, rolled and compacted in 1' lifts

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	Crew Leader William Schaeffer	9.50	$65.84
1	Operator Fernando Carvalho	9.50	$42.01
1	Laborer Lupert Campbell	9.50	$31.14
1	Laborer Jean Saint Gerar	9.50	$31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Excavator CAT 336 # TBH580	A 9.5	$120.76
1	Dodge Ram P/U #201471	A 9.5	$17.69
1	Ford F-250 P/U #201488	A 9.5	$25.22
1	Hamm HTC15 Trench Roller TR501	A 9.5	$99.06
1	Backhoe CAT 420 F Rubber Tire RBH508	A 9.5	$56.21

MATERIAL USED		
QUANTITY	**KIND**	**RATE**

Inspector Samuel Chizek Signature Samuel Chizek Digitally signed by Samuel Chizek Date: 2023.11.03 13:23:35-04'00'

Foreman William Schaeffer Signature _____

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10/25/2023

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime Middlesex Corp ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

Contractor excavated the following utilities and stock piled them for removal later:
144' of 8" Ductile Water Main at 4' deep
1 Fire Hydrant assembly with 3 valves and 3 bollards
Backfilled with dirt, rolled and compacted in 1' lifts.

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	Crew Leader William Schaeffer	9.50	$65.84
1	Operator Fernando Carvalho	9.50	$42.01
1	Laborer Lupert Campbell	9.50	$31.14
1	Laborer Jean Saint Gerar	9.50	$31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Excavator CAT 336 # TBH580	A 9.5	$120.76
1	Dodge Ram P/U #201471	A 9.5	$17.69
1	Ford F-250 P/U #201488	A 9.5	$25.22
1	Hamm HTC15 Trench Roller TR501	A 9.5	$99.06
1	Backhoe CAT 420 F Rubber Tire RBH508	A 9.5	$56.21

MATERIAL USED		
QUANTITY	**KIND**	**RATE**

Inspector Samuel Chizek Signature Samuel Chizek Digitally signed by Samuel Chizek Date: 2023.11.03 13:26:03-04'00'

Foreman William Schaeffer Signature _____

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

700-050-58
CONSTRUCTION
09/17

DAILY RECORD OF EXTRA WORK
SITE SOURCE RECORD

Date 10/26/2023

Financial Project ID No. HS-0029

Road No. _____ Work Order No. _____

NOTE: Report Prime, Sub, and Subordinate Sub work effort on separate sheets.

☒ Prime Middlesex Corp ☐ Subcontractor ☐ Subordinate Subcontractor

Description of Work Done this Date:

Contractor excavated the following utilities and stock piled them for removal later:
75' of 8" Ductile Water Main at 4' deep
2 Concrete poles with breakers
3' of Metal conduit
Backfilled with dirt, rolled and compacted in 1' lifts

LABOR			
NO.	**POSITION**	**TOTAL HOURS**	**RATE**
1	Crew Leader William Schaeffer	9.50	$65.84
1	Operator Fernando Carvalho	9.50	$42.01
1	Laborer Lupert Campbell	9.50	$31.14
1	Laborer Jean Saint Gerar	9.50	$31.14

EQUIPMENT			
NO. UNITS	**KIND**	**TOTAL HOURS**	**RATE**
1	Excavator CAT 336 # TBH580	A 9.5	$120.76
1	Dodge Ram P/U #201471	A 9.5	$17.69
1	Ford F-250 P/U #201488	A 9.5	$25.22
1	Hamm HTC15 Trench Roller TR501	A 9.5	$99.06
1	Backhoe CAT 420 F Rubber Tire RBH508	A 9.5	$56.21

MATERIAL USED		
QUANTITY	**KIND**	**RATE**

Inspector Samuel Chizek Signature Samuel Chizek Digitally signed by Samuel Chizek Date: 2023.11.03 13:24:04-04'00'

Foreman William Schaeffer Signature _____

NOTE: This record to be made in duplicate, one copy to be retained by the Contractor and one copy attached to the Cost Estimate for Increase, Decrease or Alterration in the Work (Form 700-050-59) for each Work Order.

Item #2: Interim Quantity Adjustments:

ORLANDO INTERNATIONAL AIRPORT
H-S00029, AIRFIELD CIVIL RESTART ENABLING
PROJECT NO.: H-S00029
INTERIM QUANTITY ADJUSTMENT

Pay Item No.	Item Description	Contract							FINAL QUANTITY	ADJUSTMENT FOR THIS CO	
		Unit	Unit Price	BID Qty.	Change Order No. 1	Change Order No. 2	Change Order No. 3	Amount		Overruns/ Underruns	CO Amount
1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	$20,000.00	1				$20,000.00	1.0000	-	$ -
2	TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	LS	$21,000.00	1				$21,000.00	1.0000	-	$ -
3	MOBILIZATION	LS	$282,845.00	1				$282,845.00	1.0000	-	$ -
4	SAFETY, SECURITY, AND MAINTENANCE OF TRAFFIC	LS	$40,000.00	1				$40,000.00	1.0000	-	$ -
5	SURVEY	LS	$35,000.00	1				$35,000.00	1.0000	-	$ -
6	SITE LOGISTICS INCLUDING CONSTRUCTION OF HAUL ROADS	LS	$120,000.00	1				$120,000.00	1.0000	-	$ -
7	CLEAR AND GRUBB ENTIRE SITE LIMITS AND SELECTIVE DEMOLIUTION OF UNDERGROUND UTILITIES AND DRAINAGE INCLUDING BACKFILL TO EXISTING GRADE	LS	$120,000.00	1				$120,000.00	1.0000	-	$ -
8	8' SECURE FENCE WITH STONE AND BARBED WIRE — ALL REQUIRED HARDWARE INCLUSIVE	LF	$150.00	1,250		607.00		$187,500.00	1,857.0000	-	$ -
8A	SECURE FENCE DEMOLITION AT GATE TIE IN LOCATIONS	LS	$10,000.00	1				$10,000.00	1.0000	-	$ -
9	24' SWING GATE PASS THROUGH (2 GATES) MEETING SECURE FENCE REQUIREMENTS	EA	$10,000.00	1				$10,000.00	1.0000	-	$ -
10	SAMS GUARD BOOTH AND ACCESSORIES INCLUDING POWER SERVICE, AIR CONDITIONING, AND LIGHTING	LS	$12,000.00	1				$12,000.00	1.0000	-	$ -
11	P-152 UNSUITABLE EXCAVATION	CY	$18.00	2,000				$36,000.00	1,311.0000	(689.0000)	$ (12,402.00)
12A	P-152 EMBANKMENT	CY	$20.00	9,904			8,596.00	$198,080.00	18,500.0000	-	$ -
12B	P-152 EXCAVATION	CY	$12.00	8,347			-258.59	$100,164.00	8,088.4100	-	$ -
13	2' PVC SDR 17 (WATER)	LF	$65.00	100				$6,500.00	100.0000	-	$ -
14	6' PVC SDR 26 PIPE	LF	$75.00	302				$22,650.00	88.0000	(214.0000)	$ (16,050.00)
15	D-701 42" REINFORCED CONCRETE PIPE	LF	$550.00	71.0				$39,050.00	71.0000	-	$ -
16	D-701 48" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	LF	$250.00	107				$26,750.00	107.0000	-	$ -
17	D-701 48" REINFORCED CONCRETE PIPE	LF	$800.00	46				$36,800.00	46.0000	-	$ -
18	D-701 54" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	LF	$250.00	64				$16,000.00	64.0000	-	$ -
19	D-701 60" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	LF	$350.00	392				$137,200.00	392.0000	-	$ -
19A	D-751A STRUCTURAL COLLAR AT 60' RCP PIPE CONNECTION TO STRUCURE	EA	$12,000.00	3		-1.50		$36,000.00	1.5000	-	$ -
20	D-751 INSTALL DRAINAGE STRUCTURES — OWNER FURNISHED	EA	$22,000.00	1		2.00		$22,000.00	3.0000	-	$ -
21	D-751 COMPLETE ALREADY INSTALLED DRAINAGE STRUCTURES	EA	$10,000.00	4		-3.00		$40,000.00	1.0000	-	$ -
22	D-751 FURNISH AND INSTALL DRAINAGE STRUCURE	EA	$3,000.00	1		-1.00		$3,000.00	-	-	$ -

ORLANDO INTERNATIONAL AIRPORT
H-S00029, AIRFIELD CIVIL RESTART ENABLING
PROJECT NO.: H-S00029
INTERIM QUANTITY ADJUSTMENT

Pay Item No.	Item Description	Contract							FINAL QUANTITY	ADJUSTMENT FOR THIS CO	
		Unit	Unit Price	BID Qty.	Change Order No. 1	Change Order No. 2	Change Order No. 3	Amount		Overruns/ Underruns	CO Amount
23	L-109 4W4" SCHEDULE 40 PVC GOAA COMM CONCRETE ENCASED DUCT	LF	$175.00	751				$131,425.00	705.0000	(46.0000)	$ (8,050.00)
24	26 05 12 1W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	LF	$133.00	262				$34,846.00	557.0000	295.0000	$ 39,235.00
25	26 05 12 2W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	LF	$185.00	506				$93,610.00	306.0000	(200.0000)	$ (37,000.00)
26	26 05 12 4W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	LF	$300.00	1,249				$374,700.00	1,224.0000	(25.0000)	$ (7,500.00)
27	26 05 12 12W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	LF	$850.00	621			-70.00	$527,850.00	600.0000	49.0000	$ 41,650.00
28	26 05 12 10' X 20' X 8' OUC AIRCRAFT RATED MANHOLE — INSTALL OWNER FURNISHED STRUCTURES	EA	$46,000.00	3				$138,000.00	3.0000	-	$ -
101	6' TYPE B FENCE — ALL REQUIRED HARDWARE INCLUSIVE	LF	$44.27	2,100		42.00		$92,967.00	2,142.0000	-	$ -
102	24' SWING GATE PASS THROUGH (2 GATES)	EA	$4,640.00	1				$4,640.00	1.0000	-	$ -
103	P-152 FINISH GRADE	SY	$4.73	38,000			-1,786.00	$179,740.00	36,214.0000	-	$ -
104	P-101 FENCE DEMOLITION INCLUDING HARDWARE, GROUNDING, STONE, FABRIC, AND FOUNDATIONS	LF	$5.23	1,621				$8,477.83	1,621.0000	-	$ -
										-	$ -

CO DOLLAR AMOUNT **$ (117.00)**

APPLICATION AND CERTIFICATE OF PAYMENT

GOAA Construction Form 010d (Apr 2022)

Greater Orlando Aviation Authority
APR 05 2023
RECEIVED
Project Controls

TO (OWNER): GREATER ORLANDO AVIATION AUTHORITY 11312 Terminal C Service Road Orlando, Florida 32824	PROJECT:	**H-S00029** Airfield Civil Restart Enabling Work Orlando International Airport Funding: GARBS **ORACLE P.O. #: 1007235**	**APPLICATION NO. 01** (This is a % contract.) PERIOD ENDING: 02/28/23
FROM (CONTRACTOR): The Middlesex Corporation 10801 Cosmonaut Blvd. Orlando, Florida 32824	VIA (ENGINEER):	HNTB Corporation 610 Crescent Executive Court, Suite 400 Lake Mary, Florida 32746	COMMENCEMENT DATE: 02/09/23 ORIGINAL CONTRACT PERIOD: 105 EXTENDED CONTRACT PERIOD: 105 CONTRACT COMPLETION DATE: 05/24/23 EXPIRED FROM COMMENCEMENT: 20

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY

Change Orders approved in previous months by Owner	ADDITIONS	DEDUCTIONS (enter negative value)
TOTAL THRU CO#0	$ -	$ -

Approved this Month

No.	Date Approved		
TOTALS		0.00	0.00
Net change by Change Orders & FCO's:		**0.00**	

Contractor hereby certifies that, except as specifically indicated on the attached documents, there are no Claims of Contractor, its Subcontractors or Suppliers as of the date of this Application for Payment that have not been completely resolved, that the Contractor has no knowledge of any unsolved Claims by Subcontractors or Suppliers, that all Subcontractors and Suppliers have been paid to date from funds received for previous Applications for Payment, that there is no known basis for filing of any Claim on the Work and Contractor, upon receipt of funds due in this Application for Payment, hereby releases the Owner from any claims arising from the Work, except for retainage. Contractor further certifies that the amounts contained in the Application for Payment have been verified and are correct.

CONTRACTOR: THE MIDDLESEX CORPORATION

By: _____ Date: 3/9/23
Peter Donkor, Project Manager

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheets are attached.

P&P BOND 107700865

1. ORIGINAL CONTRACT SUM		$ 3,164,794.83	
2. Net change by Change Orders & FCO's		$ ~~300,000.00~~	
3. CONTRACT SUM TO DATE		$ ~~3,464,794.83~~ 3,164,794.83	(1 + 2)
4. TOTAL COMPLETED & STORED TO DATE		$ ~~1,630,808.48~~ 1,630,808.48	
a. Completed Work in Place	$ ~~1,630,808.48~~ 1,247,556.00	~~1,630,808.48~~ 1,247,556.00	
b. Stored Material	$ -		
c. DMP Advance Payments Balance	$ -		
5. TOTAL RETAINAGE:		$ ~~81,540.42~~ 62,377.80	(5a+5b+5c)
a. 5% of Completed Work	$ ~~81,540.42~~ 62,377.80		
b. 5% of Stored Material	$ -		
c. 0% DMP Advance Payments	$ -		
6. TOTAL EARNED LESS RETAINAGE		$ ~~1,549,268.06~~ 1,185,178.20	(4 - 5)
7. LESS PREVIOUS CERT. FOR PAYMENT		$ -	
8. DESIGNATED MOBILIZATION PAYMENT (DMP) CREDIT (DMP is defined in GOAA's LDB Policy)		$ -	(SEE DMP TRACKING WORKSHEET)
9. CURRENT PAYMENT DUE		**$ ~~1,549,268.06~~ 1,185,178.20**	(6-7+8)
10. BALANCE TO FINISH (INCLUDING RETAINAGE)		$ ~~1,915,526.77~~ 1,979,616.63	(3-7-9+8)

~~47.1%~~	TOTAL COMPLETED & STORED		
~~47.1%~~	Completed Work in Place		
0.0%	Stored Material		
0.0%	DMP Balance		
~~5.0%~~	**Overall Retainage**		

MONETARY PROGRESS: ~~47.07%~~ *TIME PROGRESS:* 19.05%

State of: County of:

The foregoing instrument was acknowledged before me this 9th March, 2023 by Peter Donkor of The Middlesex Corp, a Massachusetts corporation, on behalf of the corporation. He/she is personally known to me or has produced _____ as identification and did (did not) take an oath.

Notary: _____

MAVIS A. AGYEKUM
MY COMMISSION # HH 002289
EXPIRES: September 20, 2024
Bonded Thru Notary Public Underwriters

My Commission Expires: September 20, 2024

RECEIVED
MAR 15 2023
Anser Advisory Consulting, LLC

ENTERED

ENGINEER'S AND/OR OAR'S CERTIFICATION FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Engineer/OAR certifies to the Owner that to the best of the Engineer's/OAR's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

ENGINEER: HNTB CORPORATION

By: _____ Date: 3/10/23
Gunther Zurstadt, Senior Project Manager

OAR: AECOM TECHNICAL SERVICES, INC.

By: _____ Date: 3/10/23
Ross Spence, Project Manager

Initial / Date:
BB 3/10/23
Ben Brown Loyal Wingman, LLC

Project Controls Specialist is Tammy Dobbyn, Ph: 407.825.2439

AMOUNT CERTIFIED: $ ~~1,549,268.06~~ 1,185,178.20

OWNER: GREATER ORLANDO AVIATION AUTHORITY

By: _____ Date: 3/14/23
Scott Shedeck, VP of Construction

By: _____ Date: 4/7/23
Max Marble, SVP of Capital Programs

By: _____ Date: _____
Marie Dennis, Director of Finance

The Amount Certified has been determined following an audit of this Application and Certification of Payment for contractual compliance and backup documentation (if required).

Any adjustments to this Application and Certification of Payment are documented in the attached audit reports and reflected for accounting purposes on the attached GOAA Backup document.

Greater Orlando Aviation Authority
MAR 10 2023
RECEIVED
Project Controls

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

APPLICATION AND CERTIFICATE OF PAYMENT

GOAA Construction Form 010d (Apr 2022)

TO (OWNER): GREATER ORLANDO AVIATION AUTHORITY
11312 Terminal C Service Road
Orlando, Florida 32824

FROM (CONTRACTOR):
The Middlesex Corporation
10801 Cosmonaut Blvd.
Orlando, Florida 32824

PROJECT: **H-S00029**
Airfield Civil Restart Enabling Work
Orlando International Airport
Funding: GARBS
ORACLE P.O. #: 1007235

VIA (ENGINEER): HNTB Corporation
610 Crescent Executive Court, Suite 400
Lake Mary, Florida 32746

APPLICATION NO. 01 — **This is a % contract.**

PERIOD ENDING:	02/28/23
COMMENCEMENT DATE:	02/09/23
ORIGINAL CONTRACT PERIOD:	105
EXTENDED CONTRACT PERIOD:	105
CONTRACT COMPLETION DATE:	05/24/23
EXPIRED FROM COMMENCEMENT:	20

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY

Change Orders approved in previous months by Owner	ADDITIONS	DEDUCTIONS (enter negative value)
TOTAL THRU CO#0	$ -	$ -
Approved this Month		
No. / Date Approved		
TOTALS	0.00	0.00
Net change by Change Orders & FCO's:	**0.00**	

Contractor hereby certifies that, except as specifically indicated on the attached documents, there are no Claims of Contractor, its Subcontractors or Suppliers as of the date of this Application for Payment that have not been completely resolved, that the Contractor has no knowledge of any unsolved Claims by Subcontractors or Suppliers, that all Subcontractors and Suppliers have been paid to date from funds received for previous Applications for Payment, that there is no known basis for filing of any Claim on the Work and Contractor, upon receipt of funds due in this Application for Payment, hereby releases the Owner from any claims arising from the Work, except for retainage. Contractor further certifies that the amounts contained in the Application for Payment have been verified and are correct.

CONTRACTOR: THE MIDDLESEX CORPORATION

By: _____ Date: _____
Peter Donkor, Project Manager

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheets are attached.

P&P BOND 107700865

1. ORIGINAL CONTRACT SUM			$ 3,164,794.83	
2. Net change by Change Orders **& FCO's**			$ -	
3. CONTRACT SUM TO DATE			$ 3,164,794.83	(1 + 2)
4. TOTAL COMPLETED & STORED TO DATE			$ 1,247,556.00	
a. Completed Work in Place	$	1,247,556.00		
b. Stored Material	$	-		
c. DMP Advance Payments Balance	$	-		
5. TOTAL RETAINAGE:			$ 62,377.80	(5a+5b+5c)
a. 5% of Completed Work	$	62,377.80		
b. 5% of Stored Material	$	-		
c. 0% DMP Advance Payments	$	-		
6. TOTAL EARNED LESS RETAINAGE			$ 1,185,178.20	(4 - 5)
7. LESS PREVIOUS CERT. FOR PAYMENT			$ -	
8. DESIGNATED MOBILIZATION PAYMENT (DMP) CREDIT (DMP is defined in GOAA's LDB Policy)			$ -	(SEE DMP TRACKING WORKSHEET)
9. CURRENT PAYMENT DUE			**$ 1,185,178.20**	(6-7+8)
10. BALANCE TO FINISH (INCLUDING RETAINAGE)			$ 1,979,616.63	(3-7-9+8)

39.4%	TOTAL COMPLETED & STORED		
39.4%	Completed Work in Place		
0.0%	Stored Material		
0.0%	DMP Balance		
5.0%	**Overall Retainage**		

MONETARY PROGRESS: *39.42%* *TIME PROGRESS:* *19.05%*

State of: County of:

The foregoing instrument was acknowledged before me this _____ by _____ of _____, a _____corporation, on behalf of the corporation. He/she is personally known to me or has produced _____ as identification and did (did not) take an oath.

Notary: My Commission Expires:

ENGINEER'S AND/OR OAR'S CERTIFICATION FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Engineer/OAR certifies to the Owner that to the best of the Engineer's/OAR's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

ENGINEER: HNTB CORPORATION

By: _____ Date: _____
Gunther Zurstadt, Senior Project Manager

OAR: AECOM TECHNICAL SERVICES, INC.

By: _____ Date: _____
Ross Spence, Project Manager

Initial / Date:
Ben Brown Loyal Wingman, LLC

GOAA

Project Controls Specialist is Tammy Dobbyn, Ph: 407.825.2439

AMOUNT CERTIFIED: $ 1,185,178.20

OWNER: GREATER ORLANDO AVIATION AUTHORITY

By: _____ Date: _____
Scott Shedek, Interim Sr. V.P. of Engineering and Construction

By: _____ Date: _____
Kevin J. Thibault, CEO

By: _____ Date: _____
Marie Dennis, Director of Finance

BACK-UP

The Amount Certified has been determined following an audit of this Application and Certification of Payment for contractual compliance and backup documentation (if required).

Any adjustments to this Application and Certification of Payment are documented in the attached audit reports and reflected for accounting purposes on the attached GOAA Backup document.

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

PAY APPLICATION 01		CONTRACTOR: The Middlesex Corporation							PERIOD ENDING: 02/28/23								H-S00029				
ITEM	NO	DESCRIPTION OF WORK	QUANT.	UNIT	UNIT PRICE	TOTAL FOR ITEM	CHANGE ORDER ADJUSTMENTS		CURRENT CONTRACT		PREVIOUS APPL'S		THIS APPLICATION				TOTAL WORK COMPLETED TO DATE (Does Not Include Stored Materials)		BALANCE		% COM-PLETE
											TOTAL *WORK* COMPLETED PREVIOUSLY		*WORK* COMPLETED THIS PERIOD		STORED MATERIAL *PUT IN-PLACE* (From St. Mat. Wksht						
							QUANT	$ AMOUNT	QUANT	$ AMOUNT	QUANT.	$ AMOUNT	QUANT	$ AMOUNT	QUANT	$ AMOUNT	QUANT	$ AMOUNT	QUANT	$ AMOUNT	
		BASE CONTRACT																			
1		CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	1	LS	$20,000.00	20,000.00			1.00	20,000.00	0.00	0.00	0.25	5,000.00	0.00		0.25	5,000.00	0.75	15,000.00	25%
2		TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	1	LS	$21,000.00	21,000.00			1.00	21,000.00	0.00	0.00	1.00	21,000.00	0.00		1.00	21,000.00	0.00	0.00	100%
3		MOBILIZATION	1	LS	$282,845.00	282,845.00			1.00	282,845.00	0.00	0.00	1.00	282,845.00	0.00		1.00	282,845.00	0.00	0.00	100%
4		SAFETY, SECURITY, AND MAINTENANCE OF TRAFFIC	1	LS	$40,000.00	40,000.00			1.00	40,000.00	0.00	0.00	0.50	20,000.00	0.00		0.50	20,000.00	0.50	20,000.00	50%
5		SURVEY	1	LS	$35,000.00	35,000.00			1.00	35,000.00	0.00	0.00	0.25	8,750.00	0.00		0.25	8,750.00	0.75	26,250.00	25%
6		SITE LOGISTICS INCLUDING CONSTRUCTION OF HAUL ROADS	1	LS	$120,000.00	120,000.00			1.00	120,000.00	0.00	0.00	1.00	120,000.00	0.00		1.00	120,000.00	0.00	0.00	100%
7		CLEAR AND GRUBB ENTIRE SITE LIMITS AND SELECTIVE DEMOLIUTION OF UNDERGROUND UTILITIES AND DRAINAGE INCLUDING BACKFILL TO EXISTING GRADE	1	LS	$120,000.00	120,000.00			1.00	120,000.00	0.00	0.00	1.00	120,000.00	0.00		1.00	120,000.00	0.00	0.00	100%
8		8' SECURE FENCE WITH STONE AND BARBED WIRE — ALL REQUIRED HARDWARE INCLUSIVE	1,250	LF	$150.00	187,500.00			1,250.00	187,500.00	0.00	0.00	1,250.00	187,500.00	0.00		1,250.00	187,500.00	0.00	0.00	100%
8A		SECURE FENCE DEMOLITION AT GATE TIE IN LOCATIONS	1	LS	$10,000.00	10,000.00			1.00	10,000.00	0.00	0.00	1.00	10,000.00	0.00		1.00	10,000.00	0.00	0.00	100%
9		24' SWING GATE PASS THROUGH (2 GATES) MEETING SECURE FENCE REQUIREMENTS	1	EA	$10,000.00	10,000.00			1.00	10,000.00	0.00	0.00	1.00	10,000.00	0.00		1.00	10,000.00	0.00	0.00	100%
10		SAMS GUARD BOOTH AND ACCESSORIES INCLUDING POWER SERVICE, AIR CONDITIONING, AND LIGHTING	1	LS	$12,000.00	12,000.00			1.00	12,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1.00	12,000.00	0%
11		P-152 UNSUITABLE EXCAVATION	2,000	CY	$18.00	36,000.00			2,000.00	36,000.00	0.00	0.00	2,000.00	36,000.00	0.00		2,000.00	36,000.00	0.00	0.00	100%
12A		P-152 EMBANKMENT	9,904	CY	$20.00	198,080.00			9,904.00	198,080.00	0.00	0.00	7,428.00	148,560.00	0.00		7,428.00	148,560.00	2,476.00	49,520.00	75%
12B		P-152 EXCAVATION	8,347	CY	$12.00	100,164.00			8,347.00	100,164.00	0.00	0.00	2,000.00	24,000.00	0.00		2,000.00	24,000.00	6,347.00	76,164.00	24%
13		2" PVC SDR 17 (WATER)	100	LF	$65.00	6,500.00			100.00	6,500.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	100.00	6,500.00	0%
14		6" PVC SDR 26 PIPE	302	LF	$75.00	22,650.00			302.00	22,650.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	302.00	22,650.00	0%
15		D-701 42" REINFORCED CONCRETE PIPE	71	LF	$550.00	39,050.00			71.00	39,050.00	0.00	0.00	64.00	35,200.00	0.00		64.00	35,200.00	7.00	3,850.00	90%
16		D-701 48" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	107	LF	$250.00	26,750.00			107.00	26,750.00	0.00	0.00	96.00	24,000.00	0.00		96.00	24,000.00	11.00	2,750.00	90%
17		D-701 48" REINFORCED CONCRETE PIPE	46	LF	$800.00	36,800.00			46.00	36,800.00	0.00	0.00	40.00	32,000.00	0.00		40.00	32,000.00	6.00	4,800.00	87%
18		D-701 54" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	64	LF	$250.00	16,000.00			64.00	16,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	64.00	16,000.00	0%

PAY APPLICATION 01		CONTRACTOR: The Middlesex Corporation							PERIOD ENDING: 02/28/23										H-S00029		
ITEM	NO.	DESCRIPTION OF WORK	QUANT.	UNIT	UNIT PRICE	TOTAL FOR ITEM	CHANGE ORDER ADJUSTMENTS		CURRENT CONTRACT		PREVIOUS APPL'S		THIS APPLICATION				TOTAL WORK COMPLETED TO DATE (Does Not Include Stored Materials)		BALANCE		% COM-PLETE
											TOTAL *WORK* COMPLETED PREVIOUSLY		*WORK* COMPLETED THIS PERIOD		STORED MATERIAL *PUT IN-PLACE* (From St. Mat. Wksht.						
							QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	
19		D-701 60" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	392	LF	$350.00	137,200.00			392.00	137,200.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	392.00	137,200.00	0%
19A		D-751A STRUCTURAL COLLAR AT 60' RCP PIPE CONNECTION TO STRUCURE	3	EA	$12,000.00	36,000.00			3.00	36,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	3.00	36,000.00	0%
20		D-751 INSTALL DRAINAGE STRUCTURES —OWNER FURNISHED	1	EA	$22,000.00	22,000.00			1.00	22,000.00	0.00	0.00	0.80	17,600.00	0.00		0.80	17,600.00	0.20	4,400.00	80%
21		D-751 COMPLETE ALREADY INSTALLED DRAINAGE STRUCTURES	4	EA	$10,000.00	40,000.00			4.00	40,000.00	0.00	0.00	2.00	20,000.00	0.00		2.00	20,000.00	2.00	20,000.00	50%
22		D-751 FURNISH AND INSTALL DRAINAGE STRUCURE	1	EA	$3,000.00	3,000.00			1.00	3,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1.00	3,000.00	0%
23		L-109 4W4" SCHEDULE 40 PVC GOAA COMM CONCRETE ENCASED DUCT	751	LF	$175.00	131,425.00			751.00	131,425.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	751.00	131,425.00	0%
24		26 05 12 1W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	262	LF	$133.00	34,846.00			262.00	34,846.00	0.00	0.00	262.00	34,846.00	0.00		262.00	34,846.00	0.00	0.00	100%
25		26 05 12 2W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	506	LF	$185.00	93,610.00			506.00	93,610.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	506.00	93,610.00	0%
26		26 05 12 4W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	1,249	LF	$300.00	374,700.00			1,249.00	374,700.00	0.00	0.00	124.90	37,470.00	0.00		124.90	37,470.00	1,124.10	337,230.00	10%
27		26 05 12 12W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	621	LF	$850.00	527,850.00			621.00	527,850.00	0.00	0.00	62.10	52,785.00	0.00		62.10	52,785.00	558.90	475,065.00	10%
28		26 05 12 10' X 20' X 8' OUC AIRCRAFT RATED MANHOLE — INSTALL OWNER FURNISHED STRUCTURES	3	EA	$46,000.00	138,000.00			3.00	138,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	3.00	138,000.00	0%
		ADD. ALT. NO. 1																			
29		6' TYPE B FENCE — ALL REQUIRED HARDWARE INCLUSIVE	2,100	LF	44.27	92,967.00			2,100.00	92,967.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	2,100.00	92,967.00	0%
30		24' SWING GATE PASS THROUGH (2 GATES)	1	EA	4,640.00	4,640.00			1.00	4,640.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1.00	4,640.00	0%
31		P-152 FINISH GRADE	######	SY	4.73	179,740.00			38,000.00	179,740.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	38,000.00	179,740.00	0%
32		P-101 FENCE DEMOLITION INCLUDING HARDWARE, GROUNDING, STONE, FABRIC, AND FOUNDATIONS	1,621	LF	5.23	8,477.83			1,621.00	8,477.83	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1,621.00	8,477.83	0%
		SUBTOTAL - BASE CONTRACT				**3,164,794.83**				**3,164,794.83**		**0.00**		**1,247,556.00**		**0.00**		**1,247,556.00**		**1,917,238.83**	**39%**
		CHANGE ORDERS																			
1				LS	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0%
2				LS	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0%
		SUBTOTAL - CHANGE ORDERS						**0.00**		**0.00**		**0.00**		**0.00**		**0.00**		**0.00**		**0.00**	**0%**
		TOTAL				**3,164,794.83**		**0.00**		**3,164,794.83**		**0.00**		**1,247,556.00**		**0.00**		**1,247,556.00**		**1,917,238.83**	**39%**

DMP TRACKING

Pay Application: 01
Period Ending: 02/28/23

Project: H-S00029, Airfield Civil Restart Enabling Work
Contractor: The Middlesex Corporation

"C" Initial DMP Advance Amounts
"D" Enter the % billed for work in place "this period".
"E" Enter total of previous credits taken (Column "G" from previous Pay Application).
"F" The Credit Amount is caluclated by C x D x -1. The monthly credit amount will continue until the full amount of the DMP is repaid.
"H" The DMP Balance amount is reflected on the coverpage on line 4d.

Record full DMP paid on Disbursements Sheet when paid.
When tracking on the credits on Disbursements Sheet, you will record the net paid to the subcontractor (Net WIP less DMP credit).

"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
SOV #	**Sub Name**	**Initial DMP Amt**	**WIP "this Period" % billed**	**Previous DMP Credits**	**Current DMP Credit**	**Total Credits**	**DMP Balance**
	Sub 1	$ -	0%	$ -	$ -	$ -	$ -
	Sub 2	$ -	0%	$ -	$ -	$ -	$ -
	Sub 3	$ -	0%	$ -	$ -	$ -	$ -
	Sub 4	$ -	0%	$ -	$ -	$ -	$ -
	Sub 5	$ -	0%	$ -	$ -	$ -	$ -
	Sub 10	$ -	0%	$ -	$ -	$ -	$ -
	Sub 11	$ -	0%	$ -	$ -	$ -	$ -
	Sub 12	$ -	0%	$ -	$ -	$ -	$ -
	Sub 13	$ -	0%	$ -	$ -	$ -	$ -
	Sub 14	$ -	0%	$ -	$ -	$ -	$ -
	Sub 15	$ -	0%	$ -	$ -	$ -	$ -
		$ -		**$ -**	**$ -**	**$ -**	**$ -**

The above amount is the value shown on line 8 on the coversheet

CONTRACTOR: The Middlesex Corporation

PAY APPLICATION 01 **PERIOD ENDING: 02/28/23** **H-S00029**

STORED MATERIALS WORKSHEET

*Note: Amounts entered in Column "B" must also be included in "Stored Materials Put-In-Place " column of Schedule of Values. The comparative unit price quantity must be calculated and entered on the Schedule of Values to ensure the total of Column "B" Stored Materials equals the column "Stored Materials Put-in-Place" of the Schedule of Values.

S.O.V. Line Item No.	DESCRIPTION OF WORK	"A" PREVIOUS APPLICATION TOTAL STORED MATERIALS TO DATE	"B" THIS APPLICATION STORED MATERIALS PUT IN-PLACE*	"C" THIS APPLICATION STORED MATERIALS NEW	"D" TOTAL STORED MATERIALS TO DATE
		PLUS	MINUS	PLUS	EQUALS (D=A-B+C)
		Amount ($)	Amount ($)	Amount ($)	Amount ($)
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
	TOTAL - Stored Materials	$0.00	$0.00	$0.00	$0.00

OK

SUBCONTRACTOR DISBURSEMENTS
(CONSTRUCTION DEPARTMENT)

PAY APPLICATION 01
PERIOD ENDING: 02/28/23

Project: H-S00029, Airfield Civil Restart Enabling Work
CONTRACTOR: The Middlesex Corporation

FIRM NAME	Amount Already Paid OR to be Paid to Subcontractor/Supplier per Pay Application									TOTAL $ AMOUNT PAID TO DATE	%	Contractor's Evaluation of Subcontractor Performance (REQUIRED ON FINAL P.A. ONLY) Ratings: Good / Fair / Poor
	PA#1	PA#2	PA#3	PA#4	PA#5	PA#6	PA#7	PA#8	PA#9			
DBE/MWBE/LDB Subcontractors/Suppliers										-	0.0%	
Sunrise Hauling & Excavation, Inc. - MWBE	46,372.00									46,372.00	3.9%	
Tierra, Inc. - MWBE										-	0.0%	
Transportation Systems. Inc. - LDB	321,700.00									321,700.00	27.1%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
A. TOTAL DBE/MWBE/LDB DISBURSEMENTS PER PAY APPLICATION	368,072.00	-	-	-	-	-	-	-	-	368,072.00	31.1%	GOALS: 30.9% MWBE/LDB
Other Subs/Suppliers (Non-DBE/MWBE/LDB)										-	0.0%	
Sterling Fence	200,693.86									200,693.86	16.9%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
										-	0.0%	
B. TOTAL OTHER (NON-DBE/MWBE/LDB) DISBURSEMENTS PER PAY APPLICATION	200,693.86	-	-	-	-	-	-	-	-	200,693.86	16.9%	
C. TOTAL SELF-PERFORMED BY PRIME CONTRACTOR PER PAY APPLICATION	616,412.34	-	-	-	-	-	-	-	-	616,412.34	52.0%	
TOTAL (A + B + C) = TOTAL PAYMENT TO PRIME CONTRACTOR PER PAY APPLICATION	1,185,178.20	-	-	-	-	-	-	-	-	1,185,178.20		

DBE/MWBE/LDB Sub/Supplier Participation	31.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	31.1%
NON-DBE/MWBE/LDB Sub/Supplier Participation	16.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.9%

H-S00029
CONTRACTOR: The Middlesex Corporation

		Previous PA	This PA	Diff. for this PA
WORK IN PLACE				
WIP		$ -	$ 1,247,556.00	$ 1,247,556.00
Stored Materials		$ -	$ -	$ -
	TOTAL WIP			$ 1,247,556.00
RETAINAGE				
Retainage	5%	$ -	$ 62,377.80	$ 62,377.80
Retainage Stored Materials	5%	$ -	$ -	$ -
	TOTAL RETAINAGE			$ 62,377.80
TOTAL DUE				$ 1,185,178.20

FOR CONSTRUCTION FINANCE		WIP	Retainage	AMOUNT DUE
WIP	5%	$ 1,247,556.00	$ 62,377.80	$ 1,185,178.20
Retainage Stored Materials				$ -
New Stored Materials	5%	$ -	$ -	$ -
PAYMENT DUE		$ 1,247,556.00	$ 62,377.80	$ 1,185,178.20

Enter Previous WIP PA Info Only (Remaining Cells Are Formulas)

PAY APPLICATION 01 **CONTRACTOR: The Middlesex Corporation** **PERIOD ENDING: 02/28/23** **H-S00029**

ITEM	NO.	DESCRIPTION OF WORK	QUANT.	UNIT	UNIT PRICE	TOTAL FOR ITEM	CHANGE ORDER ADJUSTMENTS		CURRENT CONTRACT		PREVIOUS APPL'S		THIS APPLICATION				TOTAL WORK COMPLETED TO DATE (Does Not Include Stored Materials)		BALANCE		% COM-PLETE
											TOTAL *WORK* COMPLETED PREVIOUSLY		*WORK* COMPLETED THIS PERIOD		STORED MATERIAL *PUT IN-PLACE*						
							QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	
		BASE CONTRACT																			
1		CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	1	LS	$20,000.00	20,000.00			1.00	20,000.00	0.00	0.00	0.25	5,000.00	0.00		0.25	5,000.00	0.75	15,000.00	25%
2		TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL	1	LS	$21,000.00	21,000.00			1.00	21,000.00	0.00	0.00	1.00	21,000.00	0.00		1.00	21,000.00	0.00	0.00	100%
3		MOBILIZATION	1	LS	$282,845.00	282,845.00			1.00	282,845.00	0.00	0.00	1.00	282,845.00	0.00		1.00	282,845.00	0.00	0.00	100%
4		SAFETY, SECURITY, AND MAINTENANCE OF TRAFFIC	1	LS	$40,000.00	40,000.00			1.00	40,000.00	0.00	0.00	0.50	20,000.00	0.00		0.50	20,000.00	0.50	20,000.00	50%
5		SURVEY	1	LS	$35,000.00	35,000.00			1.00	35,000.00	0.00	0.00	0.25	8,750.00	0.00		0.25	8,750.00	0.75	26,250.00	25%
6		SITE LOGISTICS INCLUDING CONSTRUCTION OF HAUL ROADS	1	LS	$120,000.00	120,000.00			1.00	120,000.00	0.00	0.00	1.00	120,000.00	0.00		1.00	120,000.00	0.00	0.00	100%
7		CLEAR AND GRUBB ENTIRE SITE LIMITS AND SELECTIVE DEMOLIUTION OF UNDERGROUND UTILITIES AND DRAINAGE INCLUDING BACKFILL TO EXISTING GRADE	1	LS	$120,000.00	120,000.00			1.00	120,000.00	0.00	0.00	1.00	120,000.00	0.00		1.00	120,000.00	0.00	0.00	100%
8		8' SECURE FENCE WITH STONE AND BARBED WIRE — ALL REQUIRED HARDWARE INCLUSIVE	1,250	LF	$150.00	187,500.00			1,250.00	187,500.00	0.00	0.00	1,250.00	187,500.00	0.00		1,250.00	187,500.00	0.00	0.00	100%
8A		SECURE FENCE DEMOLITION AT GATE TIE IN LOCATIONS	1	LS	$10,000.00	10,000.00			1.00	10,000.00	0.00	0.00	1.00	10,000.00	0.00		1.00	10,000.00	0.00	0.00	100%
9		24' SWING GATE PASS THROUGH (2 GATES) MEETING SECURE FENCE REQUIREMENTS	1	EA	$10,000.00	10,000.00			1.00	10,000.00	0.00	0.00	1.00	10,000.00	0.00		1.00	10,000.00	0.00	0.00	100%
10		SAMS GUARD BOOTH AND ACCESSORIES INCLUDING POWER SERVICE, AIR CONDITIONING, AND LIGHTING	1	LS	$12,000.00	12,000.00			1.00	12,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1.00	12,000.00	0%
11		P-152 UNSUITABLE EXCAVATION	2,000	CY	$18.00	36,000.00			2,000.00	36,000.00	0.00	0.00	2,000.00	36,000.00	0.00		2,000.00	36,000.00	0.00	0.00	100%
12A		P-152 EMBANKMENT	9,904	CY	$20.00	198,080.00			9,904.00	198,080.00	0.00	0.00	7,428.00	148,560.00	0.00		7,428.00	148,560.00	2,476.00	49,520.00	75%
12B		P-152 EXCAVATION	8,347	CY	$12.00	100,164.00			8,347.00	100,164.00	0.00	0.00	2,000.00	24,000.00	0.00		2,000.00	24,000.00	6,347.00	76,164.00	24%
13		2' PVC SDR 17 (WATER)	100	LF	$65.00	6,500.00			100.00	6,500.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	100.00	6,500.00	0%
14		6' PVC SDR 26 PIPE	302	LF	$75.00	22,650.00			302.00	22,650.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	302.00	22,650.00	0%
15		D-701 42" REINFORCED CONCRETE PIPE	71	LF	$550.00	39,050.00			71.00	39,050.00	0.00	0.00	64.00	35,200.00	0.00		64.00	35,200.00	7.00	3,850.00	90%
16		D-701 48" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	107	LF	$250.00	26,750.00			107.00	26,750.00	0.00	0.00	96.00	24,000.00	0.00		96.00	24,000.00	11.00	2,750.00	90%
17		D-701 48" REINFORCED CONCRETE PIPE	46	LF	$800.00	36,800.00			46.00	36,800.00	0.00	0.00	40.00	32,000.00	0.00		40.00	32,000.00	6.00	4,800.00	87%
18		D-701 54" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	64	LF	$250.00	16,000.00			64.00	16,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	64.00	16,000.00	0%

PAY APPLICATION 01 **CONTRACTOR: The Middlesex Corporation** **PERIOD ENDING: 02/28/23** **H-S00029**

ITEM	NO.	DESCRIPTION OF WORK	QUANT.	UNIT	UNIT PRICE	TOTAL FOR ITEM	CHANGE ORDER ADJUSTMENTS		CURRENT CONTRACT		PREVIOUS APPL'S		THIS APPLICATION				TOTAL WORK COMPLETED TO DATE (Does Not Include Stored Materials)		BALANCE		% COM-PLETE
											TOTAL *WORK* COMPLETED PREVIOUSLY		*WORK* COMPLETED THIS PERIOD		STORED MATERIAL *PUT IN-PLACE*						
							QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	QUANT.	$ AMOUNT	
19		D-701 60" REINFORCED CONCRETE PIPE INSTALL OWNER FURNISHED PIPE	392	LF	$350.00	137,200.00			392.00	137,200.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	392.00	137,200.00	0%
19A		D-751A STRUCTURAL COLLAR AT 60' RCP PIPE CONNECTION TO STRUCURE	3	EA	$12,000.00	36,000.00			3.00	36,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	3.00	36,000.00	0%
20		D-751 INSTALL DRAINAGE STRUCTURES — OWNER FURNISHED	1	EA	$22,000.00	22,000.00			1.00	22,000.00	0.00	0.00	0.80	17,600.00	0.00		0.80	17,600.00	0.20	4,400.00	80%
21		D-751 COMPLETE ALREADY INSTALLED DRAINAGE STRUCTURES	4	EA	$10,000.00	40,000.00			4.00	40,000.00	0.00	0.00	2.00	20,000.00	0.00		2.00	20,000.00	2.00	20,000.00	50%
22		D-751 FURNISH AND INSTALL DRAINAGE STRUCURE	1	EA	$3,000.00	3,000.00			1.00	3,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1.00	3,000.00	0%
23		L-109 4W4" SCHEDULE 40 PVC GOAA COMM CONCRETE ENCASED DUCT	751	LF	$175.00	131,425.00			751.00	131,425.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	751.00	131,425.00	0%
24		26 05 12 1W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	262	LF	$133.00	34,846.00			262.00	34,846.00	0.00	0.00	262.00	34,846.00	0.00		262.00	34,846.00	0.00	0.00	100%
25		26 05 12 2W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	506	LF	$185.00	93,610.00			506.00	93,610.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	506.00	93,610.00	0%
26		26 05 12 4W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	1,249	LF	$300.00	374,700.00			1,249.00	374,700.00	0.00	0.00	124.90	37,470.00	0.00		124.90	37,470.00	1,124.10	337,230.00	10%
27		26 05 12 12W6" SCHEDULE 40 PVC OUC CONCRETE ENCASED DUCT	621	LF	$850.00	527,850.00			621.00	527,850.00	0.00	0.00	62.10	52,785.00	0.00		62.10	52,785.00	558.90	475,065.00	10%
28		26 05 12 10' X 20' X 8' OUC AIRCRAFT RATED MANHOLE — INSTALL OWNER FURNISHED STRUCTURES	3	EA	$46,000.00	138,000.00			3.00	138,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	3.00	138,000.00	0%
		ADD. ALT. NO. 1																			
29		6' TYPE B FENCE — ALL REQUIRED HARDWARE INCLUSIVE	2,100	LF	44.27	92,967.00			2,100.00	92,967.00	0.00	0.00	~~2,100.00~~ Ø	~~92,967.00~~ Ø	0.00		~~2,100.00~~ Ø	~~92,967.00~~ Ø	~~0.00~~ 2,100.00	~~0.00~~ 92,967.00	100%
30		24' SWING GATE PASS THROUGH (2 GATES)	1	EA	4,640.00	4,640.00			1.00	4,640.00	0.00	0.00	~~1.00~~ Ø	~~4,640.00~~ Ø	0.00		~~1.00~~ Ø	~~4,640.00~~ Ø	~~0.00~~ 1.00	~~0.00~~ 4,640.00	100%
31		P-152 FINISH GRADE	######	SY	4.73	179,740.00			38,000.00	179,740.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	38,000.00	179,740.00	0%
32		P-101 FENCE DEMOLITION INCLUDING HARDWARE, GROUNDING, STONE, FABRIC, AND FOUNDATIONS	1,621	LF	5.23	8,477.83			1,621.00	8,477.83	0.00	0.00	~~1,134.70~~ Ø	~~5,934.48~~ Ø	0.00		~~1,134.70~~ Ø	~~5,934.48~~ Ø	~~486.30~~ 1,621.00	~~2,543.35~~ 8,477.83	70%
		SUBTOTAL - BASE CONTRACT				**3,164,794.83**				**3,164,794.83**		**0.00**		~~**1,351,097.48**~~ 1,247,556.00		**0.00**		~~**1,351,097.48**~~ 1,247,556.00		~~**1,813,697.35**~~ 1,917,238.83	~~**43%**~~ 39%
		CHANGE ORDERS																			
1		~~Owner Allowance for Drainage Mod~~		~~LS~~	~~300,000.00~~		~~1.00~~	~~300,000.00~~	~~1.00~~	~~300,000.00~~	0.00	0.00	~~0.93~~	~~279,711.00~~	0.00		~~0.93~~	~~279,711.00~~	~~0.07~~	~~20,289.00~~	~~93%~~
2				LS	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0%
		SUBTOTAL - CHANGE ORDERS						~~**300,000.00**~~		~~**300,000.00**~~		**0.00**		Ø ~~**279,711.00**~~		**0.00**		Ø ~~**279,711.00**~~		Ø ~~**20,289.00**~~	~~**93%**~~
		TOTAL				**3,164,794.83**		~~**300,000.00**~~		~~**3,464,794.83**~~		**0.00**		~~**1,630,808.48**~~		**0.00**		~~**1,630,808.48**~~		**1,833,986.35**	~~**47%**~~ 39%
										3,164,794.83				1,247,556.00				1,247,566.00		1,917,238.83	

DMP TRACKING

Pay Application: **01**
Period Ending: **02/28/23**

Project: H-S00029, Airfield Civil Restart Enabling Work
Contractor: The Middlesex Corporation

"C" Initial DMP Advance Amounts
"D" Enter the % billed for work in place "this period".
"E" Enter total of previous credits taken (Column "G" from previous Pay Application).
"F" The Credit Amount is caluclated by C x D x -1. The monthly credit amount will continue until the full amount of the DMP is repaid.
"H" The DMP Balance amount is reflected on the coverpage on line 4d.

Record full DMP paid on Disbursements Sheet when paid.
When tracking on the credits on Disbursements Sheet, you will record the net paid to the subcontractor (Net WIP less DMP credit).

"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
SOV #	**Sub Name**	**Initial DMP Amt**	**WIP "this Period" % billed**	**Previous DMP Credits**	**Current DMP Credit**	**Total Credits**	**DMP Balance**
	Sub 1	$ -	0%	$ -	$ -	$ -	$ -
	Sub 2	$ -	0%	$ -	$ -	$ -	$ -
	Sub 3	$ -	0%	$ -	$ -	$ -	$ -
	Sub 4	$ -	0%	$ -	$ -	$ -	$ -
	Sub 5	$ -	0%	$ -	$ -	$ -	$ -
	Sub 10	$ -	0%	$ -	$ -	$ -	$ -
	Sub 11	$ -	0%	$ -	$ -	$ -	$ -
	Sub 12	$ -	0%	$ -	$ -	$ -	$ -
	Sub 13	$ -	0%	$ -	$ -	$ -	$ -
	Sub 14	$ -	0%	$ -	$ -	$ -	$ -
	Sub 15	$ -	0%	$ -	$ -	$ -	$ -
		$ -		**$ -**	**$ -**	**$ -**	**$ -**

The above amount is the value shown on line 8 on the coversheet

CONTRACTOR: The Middlesex Corporation

PAY APPLICATION 01 **PERIOD ENDING: 02/28/23** **H-S00029**

STORED MATERIALS WORKSHEET

*Note: Amounts entered in Column "B" must also be included in "Stored Materials Put-In-Place " column of Schedule of Values. The comparative unit price quantity must be calculated and entered on the Schedule of Values to ensure the total of Column "B" Stored Materials equals the column "Stored Materials Put-in-Place" of the Schedule of Values.

S.O.V. Line Item No.	DESCRIPTION OF WORK	"A" PREVIOUS APPLICATION TOTAL STORED MATERIALS TO DATE	"B" THIS APPLICATION STORED MATERIALS PUT IN-PLACE*	"C" THIS APPLICATION STORED MATERIALS NEW	"D" TOTAL STORED MATERIALS TO DATE
		PLUS	MINUS	PLUS	EQUALS (D=A-B+C)
		Amount ($)	Amount ($)	Amount ($)	Amount ($)
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
	TOTAL - Stored Materials	$0.00	$0.00	$0.00	$0.00

OK

PAY APPLICATION 01
PERIOD ENDING: 02/28/23

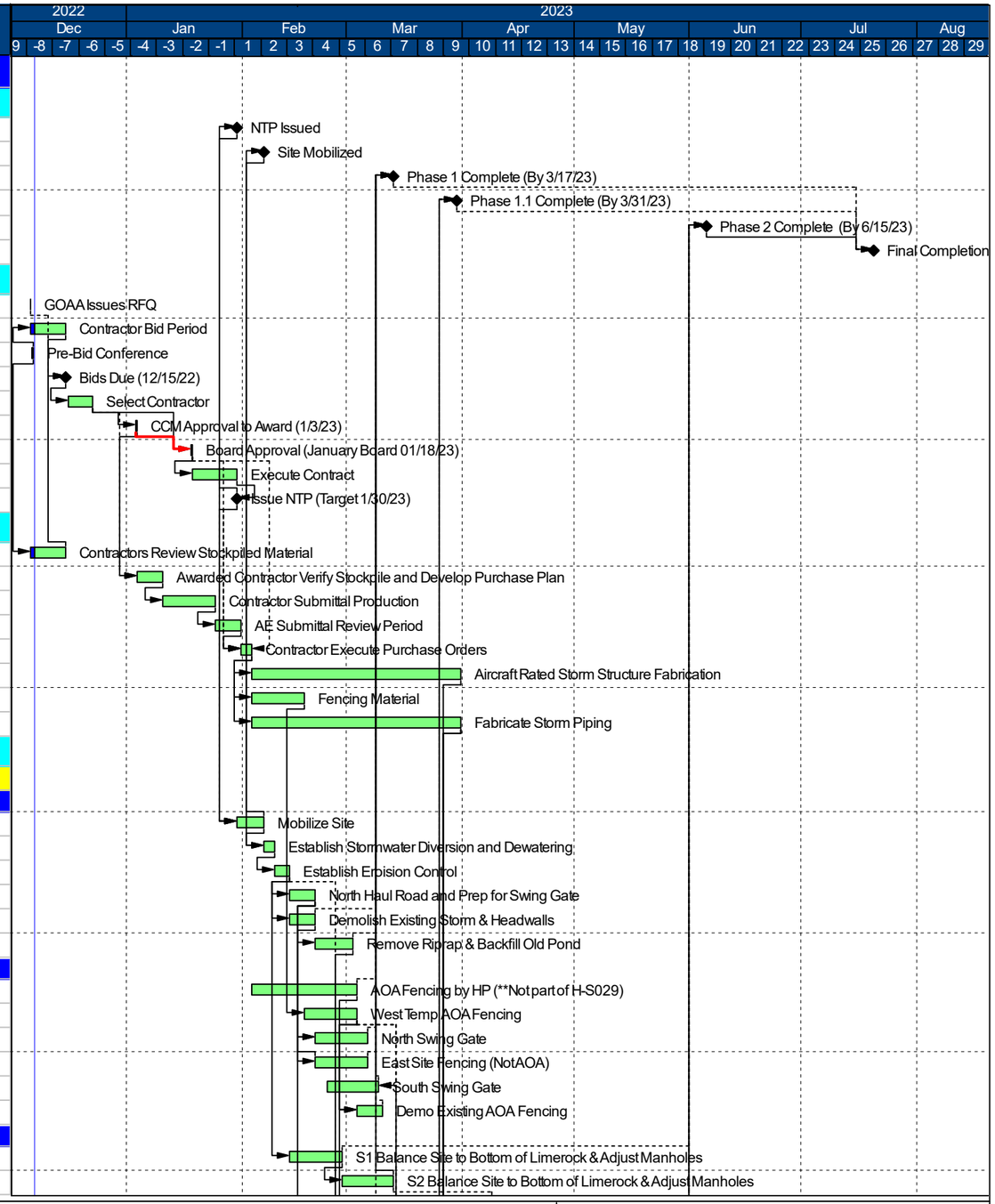
Project: H-S00029, Airfield Civil Restart Enabling Work
CONTRACTOR: The Middlesex Corporation

FIRM NAME	Amount Already Paid OR to be Paid to Subcontractor/Supplier per Pay Application										TOTAL $ AMOUNT PAID TO DATE	%	Contractor's Evaluation of Subcontractor Performance (REQUIRED ON FINAL P.A. ONLY) Ratings: Good / Fair / Poor
	PA#1	PA#2	PA#3	PA#4	PA#5	PA#6	PA#7	PA#8	PA#9	PA#10			
DBE/MWBE/LDB Subcontractors/Suppliers											-	0.0%	
Sunrise Hauling & Excavation, Inc. - MWBE	46,372.00										46,372.00	3.0%	
Tierra, Inc. - MWBE	-										-	0.0%	
Transportation Systems. Inc. - LDB	321,700.00										321,700.00	20.8%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
A. TOTAL DBE/MWBE/LDB DISBURSEMENTS PER PAY APPLICATION	368,072.00	-	-	-	-	-	-	-	-	-	368,072.00	23.8%	GOALS: 30.9% MWBE/LDB
Other Subs/Suppliers (Non-DBE/MWBE/LDB)											-	0.0%	
Sterling Fence	200,693.86										200,693.86	13.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
											-	0.0%	
B. TOTAL OTHER (NON-DBE/MWBE/LDB) DISBURSEMENTS PER PAY APPLICATION	200,693.86	-	-	-	-	-	-	-	-	-	200,693.86	16.9% ~~13.0%~~	
C. TOTAL SELF-PERFORMED BY PRIME CONTRACTOR PER PAY APPLICATION	6 16,412.34 ~~980,502.20~~	-	-	-	-	-	-	-	-	-	666,412.34 ~~980,502.20~~	52.0% ~~63.3%~~	
TOTAL (A + B + C) = TOTAL PAYMENT TO PRIME CONTRACTOR PER PAY APPLICATION	1,185,178.20 ~~1,549,268.06~~	-	-	-	-	-	-	-	-	-	1,185,178.20 ~~1,549,268.06~~		

DBE/MWBE/LDB Sub/Supplier Participation	31.1% ~~23.8%~~	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	31.1% ~~23.8%~~
NON-DBE/MWBE/LDB Sub/Supplier Participation	16.9% ~~13.0%~~	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.9% ~~13.0%~~

Item #3: INCREASE THE CONTRACT TIME FOR SUBSTANTIAL COMPLETION BY 150 CALENDAR
DAYS, FROM 281 CALENDAR DAYS TO 431 CALENDAR DAYS (REVISED SUBSTANTIAL
COMPLETION DATE OF April 13, 2024).

Activity ID	Activity Name	Original Duration	Start	Finish
H-S029 Airfield Civil Restart Enabling Work		166	06-Dec-22 A	20-Jul-23
Milestones		122	30-Jan-23	20-Jul-23
MILE-1000	NTP Issued	0		30-Jan-23
MILE-1030	Site Mobilized	0		06-Feb-23
MILE-1040	Phase 1 Complete (By 3/17/23)	0		13-Mar-23*
MILE-1060	Phase 1.1 Complete (By 3/31/23)	0		30-Mar-23*
MILE-1050	Phase 2 Complete (By 6/15/23)	0		05-Jun-23*
MILE-1070	Final Completion	0		20-Jul-23
GOAA Project Procurement		44	06-Dec-22 A	30-Jan-23
BID-1000	GOAA Issues RFQ	1	06-Dec-22 A	06-Dec-22 A
BID-1030	Contractor Bid Period	8	06-Dec-22 A	15-Dec-22
BID-1010	Pre-Bid Conference	1	06-Dec-22 A	06-Dec-22 A
BID-1020	Bids Due (12/15/22)	0		15-Dec-22
BID-1040	Select Contractor	5	16-Dec-22	22-Dec-22
BID-1060	CCM Approval to Award (1/3/23)	1	03-Jan-23	03-Jan-23
BID-1050	Board Approval (January Board 01/18/23)	1	18-Jan-23	18-Jan-23
BID-1070	Execute Contract	8	18-Jan-23	30-Jan-23
BID-1080	Issue NTP (Target 1/30/23)	0		30-Jan-23
Contractor Material Procurement		83	06-Dec-22 A	31-Mar-23
MAT-1000	Contractors Review Stockpiled Material	8	06-Dec-22 A	15-Dec-22
MAT-1010	Awarded Contractor Verify Stockpile and Develop Purchase Plar	5	03-Jan-23	10-Jan-23
MAT-1020	Contractor Submittal Production	10	10-Jan-23	24-Jan-23
MAT-1030	AE Submittal Review Period	5	24-Jan-23	31-Jan-23
MAT-1040	Contractor Execute Purchase Orders	3	31-Jan-23	03-Feb-23
MAT-1050	Aircraft Rated Storm Structure Fabrication	40	03-Feb-23	31-Mar-23
MAT-1070	Fencing Material	10	03-Feb-23	17-Feb-23
MAT-1060	Fabricate Storm Piping	40	03-Feb-23	31-Mar-23
Enabling Scope for Airside Concourse		90	30-Jan-23	05-Jun-23
Phase 1 - Site Preperation and Fencing (NTP + 45 Days)		30	30-Jan-23	13-Mar-23
Earthworks / Roads		23	30-Jan-23	02-Mar-23
P1-1000	Mobilize Site	5	30-Jan-23	06-Feb-23
P1-1010	Establish Stormwater Diversion and Dewatering	3	06-Feb-23	09-Feb-23
P1-1020	Establish Eroision Control	2	09-Feb-23	13-Feb-23
P1-1080	North Haul Road and Prep for Swing Gate	5	13-Feb-23	20-Feb-23
P1-2000	Demolish Existing Storm & Headwalls	5	13-Feb-23	20-Feb-23
P1-2010	Remove Riprap & Backfill Old Pond	8	20-Feb-23	02-Mar-23
Site Fencing		25	03-Feb-23	10-Mar-23
P1-1100	AOA Fencing by HP (**Not part of H-S029)	20	03-Feb-23	03-Mar-23
P1-1050	West Temp AOA Fencing	10	17-Feb-23	03-Mar-23
P1-1030	North Swing Gate	10	20-Feb-23	06-Mar-23
P1-1070	East Site Fencing (NotAOA)	10	20-Feb-23	06-Mar-23
P1-1040	South Swing Gate	10	23-Feb-23	09-Mar-23
P1-1060	Demo Existing AOA Fencing	5	03-Mar-23	10-Mar-23
Grading/Fill At Airside Concourse		20	13-Feb-23	13-Mar-23
P1-3000	S1 Balance Site to Bottom of Limerock & Adjust Manholes	10	13-Feb-23	27-Feb-23
P1-4000	S2 Balance Site to Bottom of Limerock & Adjust Manholes	10	27-Feb-23	13-Mar-23



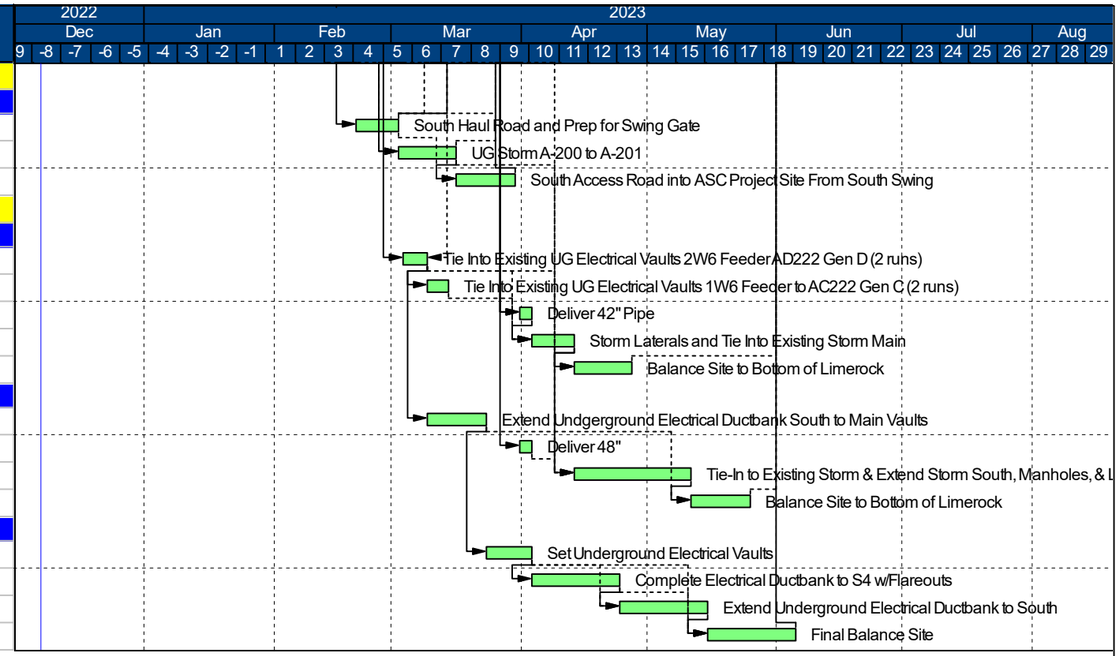
Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone

GREATER ORLANDO AVIATION AUTHORITY

H-S029 Airfield Civil Restart Enabling Work
Project Schedule

Data Date: 07-Dec-22

Activity ID	Activity Name	Original Duration	Start	Finish
Phase 1.1 - South Access (NTP + 60 Days)		28	20-Feb-23	30-Mar-23
South Access		28	20-Feb-23	30-Mar-23
P1.1-1090	South Haul Road and Prep for Swing Gate	8	20-Feb-23	02-Mar-23
P1.1-2040	UG Storm A-200 to A-201	10	02-Mar-23	16-Mar-23
P1.1-2070	South Access Road into ASC Project Site From South Swing	10	16-Mar-23	30-Mar-23
Phase 2 - Underground Utilities and Grading (NTP + 135 Days)		66	03-Mar-23	05-Jun-23
S3		39	03-Mar-23	27-Apr-23
S3-1010	Tie Into Existing UG Electrical Vaults 2W6 Feeder AD222 Gen D (	4	03-Mar-23	09-Mar-23
S3-1030	Tie Into Existing UG Electrical Vaults 1W6 Feeder to AC222 Gen (	3	09-Mar-23	14-Mar-23
S3-1040	Deliver 42" Pipe	1	31-Mar-23	03-Apr-23
S3-1020	Storm Laterals and Tie Into Existing Storm Main	8	03-Apr-23	13-Apr-23
S3-1000	Balance Site to Bottom of Limerock	10	13-Apr-23	27-Apr-23
S4		55	09-Mar-23	25-May-23
S4-1010	Extend Undgerground Electrical Ductbank South to Main Vaults	10	09-Mar-23	23-Mar-23
S3-1050	Deliver 48"	1	31-Mar-23	03-Apr-23
S4-1030	Tie-In to Existing Storm & Extend Storm South, Manholes, & Late	20	13-Apr-23	11-May-23
S4-1000	Balance Site to Bottom of Limerock	10	11-May-23	25-May-23
South of S4		52	23-Mar-23	05-Jun-23
SOUTH-1020	Set Underground Electrical Vaults	7	23-Mar-23	03-Apr-23
SOUTH-1050	Complete Electrical Ductbank to S4 w/Flareouts	15	03-Apr-23	24-Apr-23
SOUTH-1030	Extend Underground Electrical Ductbank to South	15	24-Apr-23	15-May-23
SOUTH-1060	Final Balance Site	15	15-May-23	05-Jun-23



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone

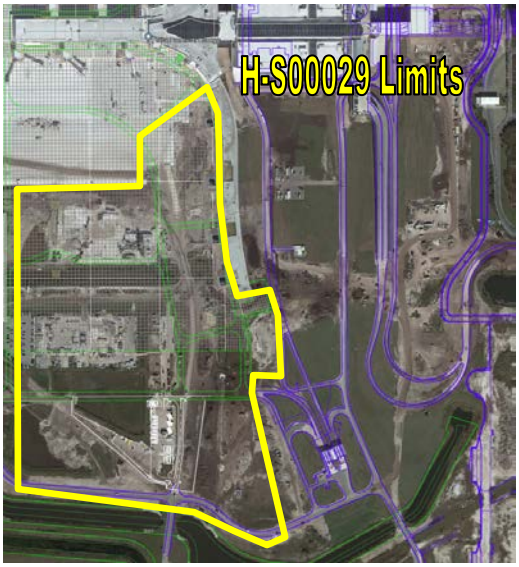
GREATER ORLANDO AVIATION AUTHORITY

H-S029 Airfield Civil Restart Enabling Work
Project Schedule

Data Date: 07-Dec-22

Greater Orlando Aviation Authority

H-S00029 Time Impact Analysis
Change Order 6



In 2022, both BP-S195, TERM C, PH 1 - AIRSIDE CONCOURSE, and BP-S196, Terminal C, Ph 1X - Airfield Civil, Apron and Taxiway Paving, projects were bid. Funding allowed for the award of the BP-S195 project but not the BP-S196 project. Unfortunately, the design of two projects assumed their concurrent construction. Portions of the BP-S195 concrete pavement were to be built over the top of subgrade, power primary duct banks, and drainage included in the BP-S196 project. Even more important, the BP-S196 included all of the secure fence and access roads required for the construction of the BP-S195 project.

It became clear that an enabling project would be required to bridge the scopes until the BP-S196 project could be bid again. For this reason, the H-S00029 was developed. As the project was developed, the timing became critical to avoid delays to the BP-S195 project. The required scope was determined and 105 calendar days was allowed for the construction. Due to budget and schedule concerns many of the originally identified scope elements were removed from the final version of the project. This project was awarded to The Middlesex Corporation with a Notice to Proceed date of February 9, 2023. This meant that the original substantial completion date was set at May 24, 2023.

Upon completion of the initial scope, the project team realized that there were several additional scope items that could now be completed. With the favorable bid price of the project, contingency budget was available to complete some of the original scope items that had been removed for financial reasons. The biggest of these is the demolition of the existing underground utilities. This was authorized under a previous change order that did not add time. The work needs to be completed under force account which was authorized under a previous change order. At that time, the contract substantial completion date was extended through November 15, 2023.

In the time since the previous extension, the Contractor has worked to remove utilities. Unfortunately, the last utility to be removed is the sanitary system from the abandoned logistics compound. Portions of this sanitary system are being used for Airline Operations. This use will continue until a new lavatory waste trituration system can be installed for ground support equipment. The new system is under construction under project H-S00028 with the anticipated completion date of late December 2023. At that point the sanitary demolition can begin. The removal of the sanitary system requires coordination with the City of Orlando Sanitary department which can be unpredictable from a schedule standpoint. While the demolition work should take only a few weeks, we need to budget several weeks to account for the permitting process. To accommodate the completion of the other project and the removal of the equipment, the time for this project will be extended by 150 calendar days moving the H-S00029 substantial completion date from November 15, 2023 to April 13, 2024.

GREATER ORLANDO AVIATION AUTHORITY
Orlando International Airport, One Jeff Fuqua Boulevard
Orlando, Florida 32827-4399

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER 01	**AMOUNT $ ($234,823.72)**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	H-00328 FY23 AS 3 Ramp Slab Rehabilitation	DATE:	11/21/2023
CONTRACTOR:	Carr & Collier Inc..		
A/E:	AECOM		

DESCRIPTION OF CHANGE TO CONTRACT**:**

Item #1 –Base Bid – Work Areas 1, 2, & 3 Quantity Adjustment - Deduct Area 3 from scope

- Decrease Pay Item C-100-1 - (CONTRACTOR QUALIY CONTROL PROGRAM (CQCP)) by 0.33 LS at the contract unit price of $14,285/LS, from 0.33 LS to 0.00 LS. **DEDUCT ($4,714.05)**
- Decrease Pay ItemC-102-1 - (TEMPORARY EROSION AND POLLUTION CONTROL) by 0.33 LS at the contract unit price of $30,000/LS, from 0.33 LS to 0.00 LS. **DEDUCT ($9,900.00)**
- Decrease Pay ItemC-106-1 - (SAFETY, SECURITY AND MAINTENANCE OF TRAFFIC) by 0.33 LS at the contract unit price of $65,000/LS, from 0.33 LS to 0.00 LS. **DEDUCT ($21,450.00)**
- Decrease Pay ItemP-101-5.1 - (PCC PAVEMENT REMOVAL) by 179 SY at the contract unit price of $190/SY, from 179 SY to 0.00 SY. **DEDUCT ($34,010.00)**
- Decrease Pay ItemP-101-S.2 - (SOIL CEMENT/ LEAN CONCRETE BASE REMOVAL) by 179 SY at the contract unit price of $60/SY, from 179 SY to 0.00 SY. **DEDUCT ($10,740.00)**
- Decrease Pay ItemP-101-S.3 - (CRACK REPAIR) by 38 LF at the contract unit price of $36/LF, from 38 LF to 0.00 LF. **DEDUCT ($1,368.00)**
- Decrease Pay ItemP-101-5.4 - (CONCRETE SPALL REPAIR) by 29 SF at the contract unit price of $245/SF, from 29 SF to 0.00 SF. **DEDUCT ($7,105.00)**
- Decrease Pay ItemP-306-8.1 - (LEAN CONCRETE BASE COURSE (6")) by 179 SY at the contract unit price of $110/SY, from 179 SY to 0.00 SY. **DEDUCT ($19,690.00)**
- Decrease Pay ItemP-501-8.1 - (PORTLAND CEMENT CONCRETE PAVEMENT (16" THICK)) by 108 CY at the contract unit price of $1,300/CY, from 108 CY to 0.00 CY. **DEDUCT ($140,400.00)**
- Increase Pay ItemP-620-5.1 - (RUNWAY AND TAXIWAY MARKING (YELLOW WITH GLASS BEADS)) by 586 SF at the contract unit price of $3.50/SF, from 0 SF to 586.00 SF. **ADD $2,051.00**
- Increase Pay ItemP-620-5.2 - (RUNWAY AND TAXIWAY MARKING (BLACK - NO BEADS) by 931 SF at the contract unit price of $1.70/SF, from 0 SF to 931.00 SF. **ADD $1,582.70**

Item #2 – Reimburse the contractor for the purchase of these materials included for Area #3 base scope of work. **ADD $ 10,919.63**

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

CC
ITEM III-D
11/21/2023

REASON FOR CHANGE:

ITEM #1: OWNER REQUESTED - The contract included 3 areas of rehabilitation work on the airside 3 ramp. Upon completion of area 1, it was noted the contractor was 29 days behind schedule due to poor performance of the demolition and unforeseen slow curing times of the concrete. A recovery schedule was submitted, and some time was gained back in area 2. However, schedule projections were indicating the completion date to be 16 days behind the anticipated substantial completion date. The Owner decided to stop the work after the completion of area 2 and descope area 3 from the contract. This was a unit cost project, and the pricing is based on final quantities.

ITEM #2: OWNER REQUESTED – The costs of the materials for use in Area 3 base scope of work were included in the original unit pricing, therefore, the material cost could not have been determined from the unit pricing. Since the entire unit prices are being deducted for the Area 3 base scope work, the contractor has provided invoices for the materials they have already purchased for Area 3 and must be reimbursed for these costs. The contractor will deliver the purchased materials directly to the Owners warehouse.

SOURCE OF FUNDS: Previously approved Capital Expenditure Funds

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

EXPLAIN: See reason for change above.

Previously Presented Bulletin(s):	NA	(Copy Attached)
Previously Approved Field Change Order(s):	NA	(Copy Attached)

Contractor's Original RCO Submission	$ **(234,823.72)**		
GOAA/OAR Estimate	$ **($234,823.72)**		
(a) Change Contract Amount By			**$ ($234,823.72)**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ NA
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ NA
(d) Total Cost Impact of this Change (d = a + b + c)			**$ ($234,823.72)**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ N/A
		Errors	$ N/A
PREPARED BY: Colin Paterson, Ardmore Roderick			PHONE: Ext 2990

*NOTE: All Agenda Items are to be submitted to **GOAA's Construction-Engineering-Financial (CEF) Consultant no later than the close of business on Monday** for inclusion on the following week's Construction Committee Agenda.*

GOAA's CEF Consultant	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by CF
Anser Advisory	11/03/2023	11/10/2023	MM	Melvin Martinez

GREATER ORLANDO AVIATION AUTHORITY
Orlando International Airport
11312 Terminal C Service Road
Orlando, Florida 32824

July 20, 2023

Ms. Elizabeth Efstathion
Senior Project Manager
Carr & Collier, Inc.
2864 W. Main Street
Leesburg, FL 34748

RE: H-00328 Airside 3 Ramp Slab Rehabilitation
Orlando International Airport
Notice of Suspension and Descope of Area 3

Dear Ms. Efstathion:

Upon completion of Area 1 on the above referenced project, it was noted that Carr & Collier (CCI) was 29 days behind schedule. On 6/27/23, the OAR requested a recovery schedule in accordance with Articles 3.9.4 and 8.2.5 of the General Conditions of the Contract and Specifications Section 01 32 13.2.1.B.1. CCI submitted a recovery schedule on June 28, 2023 to detail CCI's plan of action to recover the lost time and complete the work within the contractual Substantial Completion date of 8/9/23.

Since then, corrections have been made by CCI, and some time has been recovered in Area 2. However, the project continues to be behind schedule. The most recent progress schedule submitted by CCI on 7/14/23 includes a projected completion date of 8/25/23, which is 16 days behind schedule. The lost time and slow curing of the concrete mix is causing major concerns with the Owner and MCO Airline Operations. Therefore, per Article 8.2.6 of the General Conditions of the Contract, the Owner hereby exercises its right to suspend a portion of the Work, effective immediately, and remove the Area 3 scope from CCI's contract. CCI is to continue the Work on Area 2 until its full completion on or before the contractual Substantial Completion date of 8/9/23 and then demobilize. Please submit a change order proposal to delete the Area 3 work and an updated recovery schedule that demonstrates Substantial Completion of Area 2 will be achieved by 8/9/23.

Please do not hesitate to contact me with any questions you may have.

Sincerely,

Scott Shedek
Vice President of Construction

cc: John Feltman
Joel Saslo

H-00328 FY23 AS 3 Ramp Slab Rehabilitation

BASE CONTRACT - OAR calculated deduct of Area 3 based off final quantities

Item	NO.	DESCRIPTION OF WORK	QTY	UNIT	UNIT PRICE	FINAL Qty	Remaining Qty	Deduct PRICE
1	C-100-1	CONTRACTOR QUALIY CONTROL PROGRAM (CQCP)	1	LS	$14,285.00	0.66	0.33	(4,714.05)
2	C-102-1	TEMPORARY EROSION AND POLLUTION CONTROL	1	LS	$30,000.00	0.67	0.33	(9,900.00)
3	C-105-1	MOBILIZATION AND GENERAL CONDITIONS	1	LS	$140,000.00	1.00	0.00	0.00
4	C-106-1	SAFETY, SECURITY AND MAINTENANCE OF TRAFFIC	1	LS	$65,000.00	0.67	0.33	(21,450.00)
5	P-101-5.1	PCC PAVEMENT REMOVAL	1,175	SY	$190.00	996.00	179.00	(34,010.00)
6	P-101-S.2	SOIL CEMENT/ LEAN CONCRETE BASE REMOVAL	1,175	SY	$60.00	996.00	179.00	(10,740.00)
7	P-101-S.3	CRACK REPAIR	260	LF	$36.00	222.00	38.00	(1,368.00)
8	P-101-5.4	CONCRETE SPALL REPAIR	165	SF	$245.00	136.00	29.00	(7,105.00)
9	P-306-8.1	LEAN CONCRETE BASE COURSE (6")	1,175	SY	$110.00	996.00	179.00	(19,690.00)
10	P-501-8.1	PORTLAND CEMENT CONCRETE PAVEMENT (16" THICK)	550	CY	$1,300.00	442.00	108.00	(140,400.00)
11	P-620-5.1	RUNWAY AND TAXIWAY MARKING (YELLOW WITH GLASS BEADS)	2,500	SF	$3.50	3086.00	(586.00)	2,051.00
12	P-620-5.2	RUNWAY AND TAXIWAY MARKING (BLACK - NO BEADS	2,500	SF	$1.70	3431.00	(931.00)	1,582.70

							Total pay items:	(245,743.35)
13		Plus stockpile materials	1	LS	$10,919.63	8% markup included		10,919.63
							Total Deduct:	**(234,823.72)**

Owner requested additional striping of the edgelines to be paid at unit rates.

Item 13 - This material was purchased before Area 3 was descoped. The contractor will deliver this material to GOAA Maintenance warehouse. Backup invoices from Brevard Paving are attached.

October 25, 2023

Greater Orlando Aviation Authority
Attn: Mr. Colin Paterson
11316 Terminal C Service Road, Trailer #13
Orlando, FL 32824

RE: Greater Orlando Aviation Authority
H-00328, Airside 3 Ramp Slab Replacement
CCI Project No. 23-0182
CHANGE PROPOSAL – SCOPE REDUCTION

Letter No. 23-0187_002

Dear Mr. Paterson,

Carr and Collier, Inc. ("CCI") is pleased to provide a cost proposal for **($234,823.72)** for the requested scope reduction for the referenced project. This proposal also eliminates Work Area 3.

Bid Item	Description	Estimated Qty	Unit	Unit Price	Total
C-100-1	CONTRACTOR QUALTIY CONTROL PROGRAM (CQCP)	(0.33)	LS	$14,285.00	($4,714.05)
C-102-1	TEMPORARY EROSION AND POLLUTION CONTROL	(0.33)	LS	$30,000.00	($9,900.00)
C-105-1	MOBILIZATION AND GENERAL CONDITIONS	0	LS	$140,000.00	0
C-106-1	SAFETY, SECURITY AND MAINTENANCE OF TRAFFIC	(0.33)	LS	$65,000.00	($21,450.00)
P-101-5.1	PCC PAVEMENT REMOVAL	(179)	SY	$190.00	($34,010.00)
P-101-5.2	SOIL CEMENT/LEAN CONCRETE BASE REMOVAL	(179)	SY	$60.00	($10,740.00)
P101-5.3	CRACK REPAIR	(38)	LF	$36.00	($1,368.00)
P-306-8.1	CONCRETE SPALL REPAIR	(29)	SF	$245.00	($7,105.00)
P-306-8.1	LEAN CONCRETE BASE (6")	(179)	SY	$110.00	($19,690.00)
P-501-8.1	PORTLAND CEMENT PAVEMENT (16"THICK)	(108)	CY	$1,300.00	(140,400.00)
P-620-5.1	RUNWAY AND TAXIWAY MARKING (YELLOW WITH GLASS BEADS)	586	SF	$3.50	$2,051.00
P-620-5.2	RUNWAY AND TAXIWAY MARKING (BLACK – NO BEADS)	931	SF	$1.70	$1,582.70
P-501	STORED MATERIALS*	1	LS	$10,919.63	$10,919.63
	Change Proposal Total				**(234,823.72)**

* Includes 8% change order markup.

Please do not hesitate to contact us for additional information or clarification. Thank you.

Sincerely,
Carr & Collier, Inc.

Elizabeth Efstathion
Sr. Project Manager

EE/ee

Attachments: Scope Reduction Evaluation Worksheet
Stored Materials Invoices
CC: File 23-0187N.320

SCOPE REDUCTION EVALUATION 10/25/2023

H-00328, AIRSIDE 3 RAMP SLAB REHABILITATION

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	ITEM COST	Qty to Date	Amount to Date	Qty Deduction	Amount Deduction
C-100-1	CONTRACTOR QUALIY CONTROL PROGRAM (CQCP)	LS	1	$ 14,285.00	$ 14,285.00	0.67	$ 9,570.95	0.33	$ 4,714.05
C-102-1	TEMPORARY EROSION AND POLLUTION CONTROL	LS	1	$ 30,000.00	$ 30,000.00	0.67	$ 20,100.00	0.33	$ 9,900.00
C-105-1	MOBILIZATION AND GENERAL CONDITIONS	LS	1	$ 140,000.00	$ 140,000.00	1	$ 140,000.00	0	$ -
C-106-1	SAFETY, SECURITY AND MAINTENANCE OF TRAFFIC	LS	1	$ 65,000.00	$ 65,000.00	0.67	$ 43,550.00	0.33	$ 21,450.00
P-101-5.1	PCC PAVEMENT REMOVAL	SY	1175	$ 190.00	$ 223,250.00	996	$ 189,240.00	179	$ 34,010.00
P-101-5.2	SOIL CEMENT / LEAN CONCRETE BASE REMOVAL	SY	1175	$ 60.00	$ 70,500.00	996	$ 59,760.00	179	$ 10,740.00
P-101-5.3	CRACK REPAIR	LF	260	$ 36.00	$ 9,360.00	222	$ 7,992.00	38	$ 1,368.00
P-101-5.4	CONCRETE SPALL REPAIR	SF	165	$ 245.00	$ 40,425.00	136	$ 33,320.00	29	$ 7,105.00
P-306-8.1	LEAN CONCRETE BASE COURSE (6")	SY	1175	$ 110.00	$ 129,250.00	996	$ 109,560.00	179	$ 19,690.00
P-501-8.1	PORTLAND CEMENT CONCRETE PAVEMENT (16" THICK)	CY	550	$ 1,300.00	$ 715,000.00	442	$ 574,600.00	108	$ 140,400.00
P-620-5.1	RUNWAY AND TAXIWAY MARKING (YELLOW WITH GLASS BEADS)	SF	2500	$ 3.50	$ 8,750.00	3086	$ 10,801.00	-586	$ (2,051.00)
P-620-5.2	RUNWAY AND TAXIWAY MARKING (BLACK - NO BEADS)	SF	2500	$ 1.70	$ 4,250.00	3431	$ 5,832.70	-931	$ (1,582.70)
				TOTAL	**$ 1,450,070.00**		**$ 1,204,326.65**		**$ (245,743.35)**
	Stored Materials	LS	1	$ 10,110.77	$ 10,110.77	M/U @ 8%	$ 808.86		$ 10,919.63
							Deductive Change Amount		**$ (234,823.72)**

SUBCONTRACTOR'S CONTRACT CHANGE ORDER REQUEST FORM

Date: October 25, 2023

Request No: 3

Subcontract No: 23-0182-02

Project: H-00328 FY23 Airside 3 Ramp Slab Reha

Contractor: Carr & Collier, Inc.
1410 Emerson Street
Leesburg, FL 34748

Subcontractor: Brevard Concrete Paving, Inc.
PO Box 920
Cape Canaveral, FL 32920

1	Original Contract Amount:	$653,580.00
2	Previous Change Order(s) Amount:	$20,664.00
3	Current Contract Amount:	$674,244.00
4	This Change Order:	$10,110.77
5	Adjusted Contract Amount:	$684,354.77

Description of Change Order: Area 3 - Outstanding Materials / Stored Materials

Invoice No.	Ordered Material	Quantity	Unit	Price	Remaining / Unit / %			Unused Material $
32461V	Zig-Zag Chairs	6400	LF	$9,551.68	280	LF	4%	$417.89
33698V	Zig-Zag Chairs	552	LF	$747.52	552	LF	100%	$747.52
32534V	Grout Rings	2000	EA	$521.80	500	EA	25%	$130.45
33881V	Dowels	200	EA	$1,401.70	200	EA	100%	$1,401.70
	Dowels	2000	EA	$14,732.16	30	EA	2%	$220.98
32713V	Dowel Baskets	323	LF	$3,166.94	147	LF	46%	$1,441.30
	Basket Stakes	320	EA	$144.07	0	EA	0%	$0.00
33034V	Cure 420 w/ Red Dye	220	GAL	$1,914.42	55	GAL	25%	$478.61
114846	SilSpec Flex Patch	80	EA	$20,085.05	21	EA	26%	$5,272.33

Total $10,110.77

Notes:

1 Invoice copies attached.

Wharton Supply Inc. of Virginia

INVOICE 32461V

7620 Backlick Road * Springfield, VA 22150 * (703) 569-6660

Ticket 143705

Please Remit To: 7724 North Crescent Blvd. * Pennsauken, NJ 08110

BILL TO	SHIP TO
BREVARD CONCRETE PAVING, INC	GOAA H-00328 AIRSIDE 3 R
PO BOX 920 CAPE CANAVERAL FL 32920	BREVARD PAVING 460 CIDCO RD. COCOA,FL 32926

Customer: 22 00 177552
Purchase Order: GOAA H-00328
Delivery/Pick up: Drop Ship
Sales Tax: FLBREVARD .070000
Invoice Date: 04/24/23

008
8915

SHOEMM
TENEDJ

MATERIAL AND EQUIPMENT SOLD:

Printed on 04/24/23 14:26:08.14

THE STATE OF FLORIDA 6% SALES TAX IS INCLUDED
BREVARD COUNTY 1% SURTAX IS INCLUDED

Product No	Description	Quantity	Unit Price	Amount
992	10"ZIG ZAG X8'-0",PLAIN	6,400.00	1.1000	7,040.00

LTL FREIGHT TO JOBSITE

Shipping/Handling	2,050.00
Subtotal	9,090.00
Sales Tax	461.68
TOTAL	9,551.68

Wharton Supply Inc. of Virginia

INVOICE 32534V

7620 Backlick Road * Springfield, VA 22150 * (703) 569-6660

Ticket 143698

Please Remit To: 7724 North Crescent Blvd. * Pennsauken, ~~NJ 08110~~

BILL TO	SHIP TO
BREVARD CONCRETE PAVING, INC	GOAA H-00328 AIRSIDE 3 R
PO BOX 920 CAPE CANAVERAL FL 32920	BREVARD PAVING 460 CIDCO RD. COCOA,FL 32926

Customer: 22 00 177552
Purchase Order: GOAA H-00328
Delivery/Pick up: Drop Ship
Sales Tax: FLBREVARD .070000
Invoice Date: 04/26/23

008
8917

SHOEMM
TENEDJ

MATERIAL AND EQUIPMENT SOLD:

Printed on 04/26/23 10:49:52.10

THE STATE OF FLORIDA 6% SALES TAX IS INCLUDED
BREVARD COUNTY 1% SURTAX HAS BEEN SATISFIED
FOR THIS PO.

Product No	Description	Quantity	Unit Price	Amount
992	GROUT RINGS-1-1/4"INSIDE DIA.PLASTIC	2,000.00	.2300	460.00

FEDEX GROUND TO JOBSITE

Shipping/Handling	34.20
Subtotal	494.20
Sales Tax	27.60
TOTAL	521.80

Wharton Supply Inc. of Virginia

INVOICE 32713V

7620 Backlick Road * Springfield, VA 22150 * (703) 569-6660

Ticket 144013

Please Remit To: 7724 North Crescent Blvd. * Pennsauken, NJ 08110

BILL TO	SHIP TO
BREVARD CONCRETE PAVING, INC	GOAA H-00328 AIRSIDE 3 R
PO BOX 920 CAPE CANAVERAL FL 32920	BREVARD PAVING 460 CIDCO RD. COCOA,FL 32926

Customer: 22 00 177552
Purchase Order: GOAA H-00328
Delivery/Pick up: Drop Ship
Sales Tax: FLBREVARD .070000
Invoice Date: 05/03/23

008
8102

SHOEMM
TENEDJ

MATERIAL AND EQUIPMENT SOLD:

Printed on 05/03/23 09:37:25.09

THESTATE OF FLORIDA 6% SALES TAX IS INCLUDED
BREVARD COUNTY 1% SURTAX HAS BEEN SATISFIED
FOR THIS PO.

Product No	Description	Quantity	Unit Price	Amount
992	DOWELS-1-1/4"X20",EPOXY CTD.STD.SKID	2,000.00	5.8900	11,780.00
993	16"P BSKTS-1-1/4"X20"@15"OC, EPOXY CTD..362" WIRE,6 BAR	323.00	7.8400	2,532.32
994	BASKET STAKES-.300"X10"	320.00	.3600	115.20

FLATBED FREIGHT TO JOBSITE

Shipping/Handling	2,750.00
Subtotal	17,177.52
Sales Tax	865.65
TOTAL	18,043.17

32713V

Minimum billing $25.00 on all credit sales. All material if accepted for return subject to minimum 10% handling charge. Special order parts are not returnable.

Above order was received by

X_____

Print_____

Wharton Supply Inc. of Virginia

INVOICE 33034V

7620 Backlick Road * Springfield, VA 22150 * (703) 569-6660

Ticket 144423

Please Remit To: 7724 North Crescent Blvd. * Pennsauken, NJ 08110

BILL TO	SHIP TO
BREVARD CONCRETE PAVING, INC	GOAA H-00328 AIRSIDE 3 R
PO BOX 920 CAPE CANAVERAL FL 32920	BREVARD PAVING 460 CIDCO RD. COCOA,FL 32926

Customer: 22 00 177552
Purchase Order: GOAA H-00328
Delivery/Pick up: Drop Ship
Sales Tax: FLBREVARD .070000
Invoice Date: 05/15/23

008
8110

SHOEMM
TENEDJ

MATERIAL AND EQUIPMENT SOLD:

Printed on 05/15/23 12:43:03.12

THE STATE OF FLORIDA 6% SALES TAX IS INCLUDED
BREVARD COUNTY 1% SURTAX HAS BEEN SATISFIED
FOR THIS PO.

Product No	Description	Quantity	Unit Price	Amount
992	CURE-THINFILM 420 W/RED DYE- 55 GAL DRUMS	220.00	4.3500	957.00

LTL FREIGHT TO JOBSITE

Shipping/Handling	900.00
Subtotal	1,857.00
Sales Tax	57.42
TOTAL	1,914.42

Wharton Supply Inc. of Virginia

INVOICE 33881V

7620 Backlick Road * Springfield, VA 22150 * (703) 569-6660

Ticket 145292

Please Remit To: 7724 North Crescent Blvd. * Pennsauken, NJ 08110

BILL TO	SHIP TO
BREVARD CONCRETE PAVING, INC	~~CC3FB SHUTTLE LANDING FA~~ G0AA Airside 3
PO BOX 920	BREVARD CONCRETE PAVING
CAPE CANAVERAL FL	460 CIDCO RD.,
32920	COCOA,FL 32926

Customer: 22 00 177552
Purchase Order: 23-4567
Delivery/Pick up: Drop Ship
Sales Tax: FLBREVARD .070000
Invoice Date: 06/16/23

008
8311

SHOEMM
TENEDJ

MATERIAL AND EQUIPMENT SOLD:

Printed on 06/16/23 09:33:36.09

THE STATE OF FLORIDA 6% TAX IS INCLUDED
BREVARD COUNTY 1% SURTAX IS INCLUDED

Product No	Description	Quantity	Unit Price	Amount
~~992~~	~~DOWELS 1/2"X18",EPOXY CTD.,W/PE, STD.SKID~~	~~20.00~~	~~1.2900~~	~~25.80~~
~~993~~	~~EXP.CAPS-1/2"X4",PLASTIC~~	~~20.00~~	~~.6500~~	~~13.00~~
~~994~~	~~DOWELS-1-1/2"X20",EPOXY CTD.,W/PE, STD.SKID~~	~~220.00~~	~~10.5200~~	~~2,314.40~~
~~995~~	~~EXP.CAPS 1 1/2"X4",PLASTIC~~	~~220.00~~	~~.6500~~	~~143.00~~
~~996~~	~~TIE BARS #5X30",GR.60,PLAIN,STRAIGHT~~	~~52.00~~	~~2.7800~~	~~144.56~~
~~997~~	~~16"P BASKETS-1-1/2"X20"@12"OC,EPOXY & TECTYL CTD.,0.362"WIRE, 6 BAR UNITS~~	~~156.00~~	~~15.9500~~	~~2,488.20~~
~~998~~	~~16"P TIE BAR BASKETS #5X30"@30"OC, PLAIN,4 BAR UNITS~~	~~300.00~~	~~3.1700~~	~~951.00~~
9992	DOWELS-1-1/4"X20",EPOXY CTD.,W/PE, STD.SKID	200.00	6.5500	1,310.00

FREIGHT TO JOBSITE

~~Shipping/Handling~~	~~2,600.00~~	
Subtotal	~~9,989.96~~	$1,310.00
Sales Tax	~~452.68~~	$91.70
TOTAL	~~10,442.64~~	$1,401.70

Wharton Supply Inc. of Virginia

INVOICE 33698V

7620 Backlick Road * Springfield, VA 22150 * (703) 569-6660

Ticket 145170

Please Remit To: 7724 North Crescent Blvd. * Pennsauken, NJ 08110

Customer: 22 00 177552

Purchase Order: 23-4567

Delivery/Pick up: Drop Ship

Sales Tax: FLBREVARD .070000

Invoice Date: 06/09/23

008

8306

BILL TO	SHIP TO
BREVARD CONCRETE PAVING, INC	~~CCSFB SHUTTLE LANDING FA~~ GOAA AIRSIDE 3
PO BOX 920	BREVARD CONCRETE PAVING
CAPE CANAVERAL FL	460 CIDCO RD.
32920	COCOA,FL 32926

SHOEMM

TENEDJ

MATERIAL AND EQUIPMENT SOLD:

Printed on 06/09/23 10:55:22.10

THE STATE OF FLORIDA 6% SALES TAX IS INCLUDED
BREVARD COUNTY 1% SURTAX IS INCLUDED

Product No	Description	Quantity	Unit Price	Amount
992	10"HIGH ZIG ZAG X8'-0",PLAIN FINISH	552.00	.8000	441.60

LTL FREIGHT TO JOBSITE

Shipping/Handling	275.00
Subtotal	716.60
Sales Tax	30.92
TOTAL	747.52

Heyden Supply
575 James Rd.
Alpharetta, GA 30004
(678) 990-8072

Invoice

Date	Invoice #
5/15/2023	114846

Bill To	Ship To
Brevard Concrete Paving, Inc 460 Cidco Road Jerod 321 432 1196 No Equipment Cocoa, FL 32926 USA	GOAA - BP-S00193 South, Brevard Concrete 10401 Jeff Fuqua Blvd Jeremy 321-877-5256 Orlando, FL 32827 USA

P.O. Number	Terms	S.O. No.	Ship	Project
Zoe	Net 30		5/15/2023	GOAA - BP-S00193 South, Brevard Concrete

Quantity	Description	Price Each	Amount
80	SSI Flex Patch .5 CU	235.74	18,859.20T
	Sales Tax	6.50%	1,225.85

A service charge of 1 1/2% per month will be charged on delinquent accounts.

Total $20,085.05

GREATER ORLANDO AVIATION AUTHORITY
Orlando International Airport, One Jeff Fuqua Boulevard
Orlando, Florida 32827-4399

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER 02	AMOUNT $ $39,750.29	Extension Of Time (Subst.): 0 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	V-00988-Beachline Warehouse Roof Replacement	DATE: 11/21/2023
CONTRACTOR:	H. A. Contracting Corp.	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT**:**

1. Provide all labor, materials, and equipment to replace 1400 SF of rusted metal decking under the new roofing system of the Beachline Warehouse. **Add: $39,750.29**.

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

REASON FOR CHANGE:

Unforeseen Conditions: Change Order 01 was previously approved for this project on 9/12/23 to remove and replace 2800 SF of rusted metal decking under the new roofing system of the Beachline Warehouses. Since then, it has been discovered that an additional 1400SF will need to be replaced to complete the project.

The additional scope to replace the rusted metal decking is a change order in the amount of $39,750.29.

SOURCE OF FUNDS: Previously approved Capital Expenditure Funds

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

EXPLAIN: See reason for change above.

Previously Presented Bulletin(s):	NA	(Copy Attached)
Previously Approved Field Change Order(s):	NA	(Copy Attached)

Contractor's Original RCO Submission	$ 39,750.29	
GOAA/OAR Estimate	$ 47,757.38	
(a) Change Contract Amount By		**$ $39,750.29**
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ NA
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ NA
(d) Total Cost Impact of this Change (d = a + b + c)		**$ $39,750.29**

Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ N/A
	Errors	$ N/A

PREPARED BY: Colin Paterson, Ardmore Roderick PHONE: Ext 2990

*NOTE: All Agenda Items are to be submitted to **GOAA's Construction-Engineering-Financial (CEF) Consultant no later than the close of business on Monday** for inclusion on the following week's Construction Committee Agenda.*

GOAA's CEF Consultant	Date Received:	Date Review Completed:	Initials of Reviewer:	Verification of Funding by CF
Anser Advisory	11/08/2023	11/13/2023	MM	Melvin Martinez

CC
ITEM III-E
11/21/2023

H.A. Contracting Corp.

FIXED PRICE CHANGE PROPOSAL

11/03/2023

Colin Paterson
Greater Orlando Aviation Authority
11306 Terminal C Service Road
Orlando, FL 32824

Re: Our Change Proposal 1240002-02 for **Additional Metal Decking**

Project: V-988 Beachline Warehouse Roof Replacement

Greater Orlando Aviation Authority

Greater Orlando Aviation Authority, 11306 Terminal C Service Road, Orlando, FL 32824

This Proposal is for the Change referenced above and more particularly defined by the Scope of Work comprised of this Proposal, its Attachments, and other Contract Documents incorporated by reference. Therefore, we propose to change the following:

07500 - Re-Roofing- Centennial Roofing

1. Additional Metal Decking

Price: **$39,750.29** *Thirty Nine Thousand Seven Hundred* ***Fifty dollars and twenty-nine cents***

Time: The duration of the Work to achieve Substantial Completion will be **UNCHANGED**.

Clarification(s): *- None.*

Expiration: This Proposal shall remain open for 30 calendar day(s).

Please contact me at 305-591-9212 or via e-mail stephanie@hacontracting.com if you have any questions or require additional information.
Regards,
H.A. Contracting Corp.
Stephanie Strickland
Project Manager

ACCEPTANCE OF PROPOSAL

The Scope of Work described above supersedes any and all prior communication about this Change.
Customer Signature: _____ Date: _____
Greater Orlando Aviation Authority

Centennial ROOFING

November 1, 2023

H.A. Contracting Corp.
9500 NW 12 St. Bay 1
Miami, FL 33172

RE: V-00988 - Beachline Warehouse Roof Replacement at Orlando International Airport

Thank you for your interest in our roofing services. After looking over the plans and specifications provided, I am pleased to submit to you the following proposal.

Decking Change Order Request #2

- Start by removing 5" of lightweight concrete.
- Remove deteriorated decking.
- Install new 20 ga. steel Decking to match the existing as close as possible.
- The decking will be installed per manufacturer specifications.
- Install 1 layer of 2" ISO and 1 layer of 3" ISO.
- Install 625 base sheet to make watertight.
- Excludes steel framing.
- Includes 35 sheets of decking which is equal to approximately 14 squares.

Total Cost of Change Order: $39,750.29

Per square foot price if additional decking repairs are necessary will be $28.40

Final pricing will be based on final construction documents and material delivery date.

Respectfully Submitted,
David Hudlow

Approved by _____ Date _____

(850) 215-7663
(850) 215-7662 fax
714 Transmitter Road
Panama City, FL 32401
admin@centennialroof.net
www.centennialroof.net

Change Order Breakdown - Decking
Beachline Warehouses

Description	Man Hours	# of Men	Hourly Rate	Total Rate	Burden (42%)	Monthly Rate	Estimated Time	Delivery & Pickup Rate	Total	Taxes	Totals
Material Costs									$16,635.74	$983.82	$17,619.56
Equipment Costs						$2,898.00	0.5	$185.00	$1,634.00	$106.21	$1,740.21
Labor											
Superintendant	41	1	$30.00	$1,230.00	$516.60				$1,746.60	$0.00	$1,746.60
Certified Roofer	53.75	4	$25.00	$5,375.00	$2,257.50				$7,632.50	$0.00	$7,632.50
Laborer	53.75	5	$18.00	$4,837.50	$2,031.75				$6,869.25	$0.00	$6,869.25
Overhead/Profit Markup over $25,000 (12%)									$4,142.17	$0.00	$4,142.17

Total Cost **$39,750.29**

ROOFERS MART SOUTHEAST, INC.

PRICE QUOTATIC N

QUOTE #:

TO: Centennial RFG
DATE: 10/31/2023
C/O H.A. Contracting Corp.
JOB; Beachline

QNTY	U/M	DESCIPTION	DIRECT	TOTAL
15.36	sq	2.0" Iso	$103.35	$1,587.46
15.36	sq	3.0" Iso	$155.04	$2,381.41
15	roll	Soprafix 612 Base	$107.00	$1,605.00
1	m	7" #12 screws	$295.00	$295.00
1	m	3" insulation plates	$217.50	$217.50
4	bag	Tech screws 250 per bag	$50.00	$200.00
17.72	sq	HF Deck 20ga	$499.40	$8,849.37
			pre	$15,135.74
			Freight	$1,500.00
			tax 6.5%	$983.82
			post	$17,619.56

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.
FREIGHT CHARGES, FUEL SURCHARGES, AND STOPOVER CHARGES MAY APPLY.

NOTES:

QUOTED BY: Jeff Hall 850-266-2800 OR 877-475-0900

SUNBELT RENTALS

PC#: 0012
1272 JETPORT DR
ORLANDO, FL 32809 7826
407-855-0050

SUNBELT RENTALS, INC.

Salesman: 001240 GLOVER, J.R. (012)
Typed By: MSPORDER

Job Site:
BEACHLINE WAREHOUSE
7305 MCCOY RD
ORLANDO, FL 32822 5402

C#: 850-215-7663 J#: 850-481-1475

QUOTE

Customer: 836507
CENTENNIAL ROOFING CORP.
714 TRANSMITTER RD
PANAMA CITY, FL 32401-5365

Contract #.. 142360541
Contract dt. 7/24/23
Date out.... 8/01/23 8:00 AM
Est return.. 8/29/23 8:00 AM
Job Loc..... 7305 MCCOY ROAD, ORLANDO
Job No..... BEACHLINE WAREHOUSE
P.O. #.....
Ordered By.. GLASS, JENNIFER
NET 30

For operations in Florida: Prima facie evidence of intent to defraud: Failure to return rental property or equipment upon expiration of rental period and failure to pay all amounts due (including costs for damage to the property or Equipment) are evidence of abandonment or refusal to redeliver the property, punishable in accordance with Section 812.155, Florida Statutes.

QTY	EQUIPMENT #	Min	Day	Week	4 Week	Amount
1.00	8K-9K 42' TELEHANDLER FORKLIFT 0560410	523.00	523.00	1406.00	2898.00	2898.00

*** EQP MSG ***
** ALWAYS REFER TO THE EQUIPMENT LOAD CHART AS TO ACTUAL LIFTING CAPACITIES IN ALL THE EQUIPMENT'S LOAD RANGES **
WARNING - FORKLIFTS ARE NOT TO BE USED FOR LIFTING PERSONNEL

SALES ITEMS:

Qty	Item number	Unit	Price	
1	DLPKSRCHG TRANSPORTATION SURCHARGE	EA	68.450	68.45
1	ENVIRONMENTAL ENVIRONMENTAL/HAZMAT FEE 2133XXX0000	EA	56.510	56.51
	RENTAL PROTECTION PLAN			434.70
	DELIVERY CHARGE			185.00
	PICKUP CHARGE			185.00
			Sub-total:	3827.66
			Tax:	196.49

IF THE EQUIPMENT DOES NOT WORK PROPERLY, NOTIFY THE OFFICE AT ONCE | MULTIPLE SHIFTS OR OVERTIME RATES MAY APPLY | CUSTOMER IS RESPONSIBLE FOR REFUELING, DAMAGES AND REPAIRS

1. The total charges are an estimate based on the estimated rental period and other information provided by Customer.
2. Customer assumes all risks associated with the Equipment during the Rental Period, including injury and damage to persons, property and the Equipment.
3. Customer is responsible for and shall only permit properly trained, Authorized Individuals to use the Equipment.
4. If the Equipment does not operate properly, is not suitable for Customer's intended use, does not have operating and safety instructions or Customer has any questions regarding use of the Equipment, Customer shall not use the Equipment and shall contact Sunbelt immediately.
5. Equipment misuse or using damaged or malfunctioning Equipment may result in serious bodily injury or death and Customer agrees that Customer (i) assumes all risk associated thereunder, and (ii) indemnifies Sunbelt Entities for all claims or damages as a result of misuse or use of damaged or malfunctioning Equipment.
6. Customer has received, read, understands and agrees to the estimated charges and all the terms on this page, plus all sections on the reverse side of this Contract ("Sections"), including Release and Indemnification in Section 8 and Environmental Fee in Section 16, which can also be found at www.sunbeltrentals.com/rentalcontract. * Delivery/Pickup Surcharge fee explanation is available at www.sunbeltrentals.com/surcharge.
7. Customer must contact Sunbelt to request pickup of Equipment, retain the Pick-Up Number given by Sunbelt and will be responsible for Equipment until actuallyretrieved by Sunbelt.
8. Customer waives its right to a jury trial in any dispute as set forth in Section 19.
9. At the election of Sunbelt or Customer, Customer agrees to submit every dispute to arbitration and waives any right to bring a class action as set forth in Section 20.

Customer is declining Rental Protection Plan (see reverse side for details) _____ (Customer Initials)

Customer Signature | Date | Name Printed | Delivered By | Date

OAR Independent Estimate

8/14/2023

V-00988 Metal Decking Replacement

Change Order 02

V-00988 Metal Decking Replacement					
Scope of Work	**Unit of Measure**	**Qty**	**Unit Cost**	**Total Amount**	**Total Amount**
Mobilization					
Mobilization	LS	0.5	$ 1,500.00	$ 1,200.00	
Demobilization	LS	0.5	$ 1,500.00	$ 1,200.00	
			Total Mobilization	**$ 2,400.00**	
Labor					
Superintendent	HR	60	$ 65.00	$ 3,900.00	
Equipment Operator	HR	60	$ 55.00	$ 3,300.00	
Certified Roofer	HR	60	$ 48.00	$ 2,880.00	
Skilled Labor	HR	60	$ 42.00	$ 2,520.00	
Skilled Labor	HR	60	$ 42.00	$ 2,520.00	
				$ -	
				$ -	
				$ -	
				$ -	
			Total Labor	**$ 15,120.00**	
Equipment					
Scissorlift	MO	1	$800.00	$ 800.00	
42' Forklift	MO	1	$3,500.00	$ 3,500.00	
				$ -	
				$ -	
			Total Equipment	**$ 4,300.00**	
Materials					
Metal Decking 20 ga	SF	1400	$7.50	$ 10,500.00	
Modified Bit Base ply	SF	1400	$1.16	$ 1,624.00	
2" Insullation Board	SF	1400	$1.20	$ 1,680.00	
3" Insullation Board	SF	1400	$1.45	$ 2,030.00	
Deck Screws	LS	0.5	$1,000.00	$ 500.00	
Insulation plates	LS	0.5	$500.00	$ 250.00	
tax @ 6.5%	LS	0.5	$0.0650	$ 1,077.96	
			Total Materials with Tax	**$ 17,661.96**	
Subcontracts					
Subcontractor markup			12%	$ 4,737.84	
Prime Contractor markup			8%	$ 3,537.58	
				$ -	
				$ -	
				$ -	
			Total Markup	**$ 8,275.42**	
Total (Rounded to Nearest whole Dollar)					**$ 47,757.38**

ADDENDUM NO. 01

(Issued April 6, 2023)

TO THE BID DOCUMENT FOR
V-00988-Beachline Warehouse Roof Replacement

ORLANDO INTERNATIONAL AIRPORT

April 6, 2023

TO ALL HOLDERS OF CONTRACT DOCUMENTS

1. Your attention is directed to the following interpretations of, changes in, and/or additions to the contract documents for the above-named project.
2. This addendum is part of the Contract Documents
3. Bidders are required to acknowledge receipt of this Addendum in the space provided on the Bid Form Section 00 41 13
4. Repairs to the drop ceiling will not be a part of this contract. Pricing is not required.
5. The Pre-Demolition Asbestos Survey Report is attached. The roof flashing, roofing tar, and floor tile in a bathroom were positive. A Florida certified roofing contractor may remove asbestos roofing if all such activities are performed under the direction of an on-site roofing supervisor trained in asbestos according to requirements specified under FAC chapter 469.12. In addition, all employers who require employees to handle asbestos must comply with the U. S. Department of Labor (OSHA) regulations.
6. The removal and replacement of rusted metal decking are to be submitted as a change order to the base contract as needed.

Question 1:
Will temporary cooling need to be provided for the warehouse while the rooftop A/C units are disconnected?

Answer: No. Temporary cooling is not required.

Question 2:
Repairing the drop ceiling in the carpentry room:

- Are the grids being replaced or just the damage/missing tiles?
- Are the “As-Builts” available or can a square footage of the ceiling to be repaired be provided?

Answer: The drop ceiling will not be a part of this contract.

Question 3:

01 11 00 Summary of Work calls for the project to select an FM Global approved roof assembly. Please confirm if owner or contractor is responsible for any structural enhancements that may be required to comply with FM Global requirements.

Answer: Structural enhancements required for FM Global acceptance are to be submitted as a change order to the base contract.

Question 4:

Per Summary of work, New Roof is to be 2 ply Mod Bit over new tapered Iso (R-25) and ½" Dens Deck Prime (Insulation and Dens Deck to be mechanically fastened.. Roof to be FM Approved roof assembly, FM Global will need to review. Per Modified Bituminous Membrane Roofing Specification, Roofing Manufacturer to be Siplast, Tamko, or Soprema. Materials to be approved for UL Class A Fire Rating, and Meet FM-1-90 wind uplift requirements. Roof to have 20 year NDL warranty with 110 mph wind rider. Specification is calling for Hot Mopped or Cold Adhesive application of roof membrane. Question: Would a two-ply modified bitumen roofing system, from one of the listed manufacturer's, torch applied to the Dens Deck Prime Cover Board, meeting the UL, FM, and warranty requirements be an acceptable system?

Answer: Yes, this is acceptable.

Question 5:

Per Summary of Work, Coping to be replaced, Stainless Steel. Per Flashing and Sheet Metal Specification, 2.3 Fabrication Schedule, Coping to be .040 Aluminum, Hook Strips, Cleats, Securement Clips to be 22 ga Stainless. Question:

- A. Is coping cap to be Stainless Steel or Aluminum?
- B. If Aluminum, Pre-Finished or mill?
- C. If Stainless Steel:
    - a, What ga,?
    - b. Mill finish?

Answer: .040 Aluminum with Krynar finish is acceptable.

Question 6:

Are as-builds on the existing buildings available?

Answer: No, as-builds are not available.

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Max E. Marble, Senior Vice President, Capital Programs *(Prepared by Deborah McKeown)*

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Amendment to Addendum No. 45 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for Additional Construction Phase Services for Bid Package (BP) S00195, Terminal C, Phase 1 Expansion (P1X), Airside Concourse (Gates C250 – C253), at the Orlando International Airport

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Consultant's proposal, dated November 8, 2023, is to provide additional construction phase services resulting from federal requirements associated with the addition of federal funding into BP-S00195, an increase in the effort required during the construction phase services because of the large number of subcontractor submittals and shop drawings, and to extend the services of key onsite professional technical staff through the end of the project.

If approved, services will be effective the date of Aviation Authority Board approval.

The MWBE/LDB/VBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from _____. Funding source verified by _____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Amendment to Addendum 45 to the Architect of Record Services Agreement with HNTB Corporation for services contained herein and amount as shown below:

Not to Exceed Fees	$0.00
Lump Sum Fees	$1,551,178.00
Not to Exceed Expenses	$0.00
TOTAL	**$1,551,178.00**
AAC – Compliance Review Date	
AAC – Funding Eligibility Review Date	

CC
ITEM IV-A
11/21/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Amendment to Addendum No. 45 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for Additional Construction Phase Services for Bid Package (BP) S00195, Terminal C, Phase 1 Expansion (P1X), Airside Concourse (Gates C250 – C253), at the Orlando International Airport

We have reviewed the qualifications of the subject contract's DBE specifications and determined that HNTB Corporation does not propose small business participation for this amendment as the services being provided involve on-site technical staff support for the project.

Our analysis indicates that HNTB Corporation is eligible for award of the subject amendment.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

HNTB Corporation
The HNTB Companies
Infrastructure Solutions

200 Colonial Center Parkway
Suite 200
Lake Mary Florida 32746

Telephone (407) 805-0355
Facsimile (866) 205-1648
www.hntb.com

HNTB

November 8, 2023

Mr. Max Marble, PE, CM, LEED AP
Senior Vice President, Capital Programs
Greater Orlando Aviation Authority
Orlando International Airport
One Jeff Fuqua Blvd.
Orlando, FL 32827-4399

Re: WS-110 Terminal C - Phase 1 (STC P1), Architect of Record Team Proposal for:
Additional Construction Phase Services for BP-S195 – Terminal C, Phase-1X Airside Concourse

Dear Mr. Marble:

As we discussed, HNTB is pleased to submit for your consideration this proposal for an amendment to Addendum 45, BP-S195 Terminal C, Phase-1X, Airside Concourse to provide additional construction phase services (CPS) resulting from: the federal requirements associated with the addition of federal funding into BP-S195; an increase in the effort required during CPS due to the large number of new BP-S195 subcontractors' submittals and shop drawings; and to extend the services of key on-site professional technical staff through the end of the project, currently scheduled for April 2026.

The federal requirements were not anticipated in the original proposal written in July 2022 and submitted in August 2022 for Authority approval. Addendum 45 CPS was also originally contracted at a reduced effort since the same contractor which performed Phase 1 would be building Phase-1X. It was anticipated that there would accordingly be very few new or different submittals, shop drawings and samples since they were expected to be the same as Phase 1 and were previously approved. On that basis, a dramatically reduced time was expected to be required for the HNTB team to review same. However, the contractor has numerous new trade subcontractors, different from those who performed the Phase 1 work, and since this is a different contract than Phase 1, it requires a full review of all new material and product submittals, shop drawings and samples, exceeding what was anticipated when the reduced effort was contracted. For instance, there are 3,748 submittal items required by the specifications in P1X, and Addendum 45 accounted for a reduced effort of approximately 50% of those, assuming the others were a simple approval as used in Phase 1. Thus over 1,800 additional reviews are required for BP-S195.

This proposal also provides for the key on-site, professional technical staff through the end of the project, currently scheduled for April 2026. HNTB has continually managed the on-site resources commensurate with the level of effort required to deliver the architect of record / design consultant throughout the Terminal C program. The attached graphic displays how we have progressed from 2016 through the pandemic, and currently in P1X, how the HNTB team has provided only the resources necessary to successfully support the program, reducing the key on-site staff from fifteen in FY 2016, down to five in FY 23. As discussed, HNTB is proposing to reduce it to four through the close out of the project as the minimum required to successfully deliver our services on BP-S195 per EDC 09.1 in Addendum 45. In summary, our scope includes, but is not limited to coordinating RFI's, responses and narratives; preparing project DSI and Bulletin drawings, specifications, etc.; conducting interdisciplinary reviews; and coordinating the design team model with the contractors' model, including the ICS baggage handling system as well as the weekly coordination meetings, etc. In addition to their technical responsibilities on the

project, these on-site key staff members will continue to manage and coordinate the Terminal C architecture and engineering teams, including the seven major subconsultants (and their 18 second tier subs), and coordinate with the Authority's systems / low voltage designer, Burns. The HNTB key on-site staff will continue to develop and manage these subcontracts, incorporating their work into DSI's, Bulletins, etc., and review each of their monthly invoices for each separate addendum / amendment to ensure time sheets and rates are accurate and reflect the proper scope of work narrative and that all are in compliance with their contracts, including DBE participation due to BP-S195 federal funding.

The BP-S195 project has an aggressive timeline to terminal occupancy/startup and includes particularly exciting and challenging industry and MCO firsts, such as the simultaneous international and domestic use of the new P1X concourse gates and the COBUS / Ramp Loading Center. HNTB has proposed the resources required in architecture, engineering, change management and document control who have the high degree of professional and technical skill and experience on this program to successfully execute the scope of work in partnership with the Authority, PMO, contractor and the BHS vendor.

We sincerely appreciate this opportunity to continue to work with the Authority and the Jacobs PMO team on this extraordinary program. If you have any questions, please do not hesitate to let me know.

Respectfully submitted,
HNTB Corporation

William G. Brooks, PE
Senior Program Director

Cc: Scott Shedek, PE, Vice President of Construction, GOAA
Brad Miller, Aviation Program Manager, Jacobs (PMO)
George Gilhooley, PE, Project Principal, HNTB
Mark Bryan, MBA, Asst. Project Manager, HNTB

Attachments: Scope of Services Documents
C-Tables
Truth in Negotiation Certification

LUMP SUM CORE TEAM STRUCTURE AND HISTORY - INCEPTION THROUGH CURRENT

#	Firm	Lump Sum Core Staffing	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	HNTB Corporation	William Brooks	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS
2	HNTB Corporation	Juan Carlos Arteaga	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS
3	HNTB Corporation	Erik Lange	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS
4	HNTB Corporation	Mark Bryan	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS
5	HNTB Corporation	Matthew Granlund	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive
6	HNTB Corporation	Sameer Ambare	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive
7	HNTB Corporation	Maria Lugo Jimenez	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive
8	Baker Barrios	Patrick Van Horn	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive
9	HNTB Corporation	Marcie Henderson	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive
11	HNTB Corporation	Chris Migneron	Active LS	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive
12	Baker Barrios	Angelica Perrin	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
13	Baker Barrios	Ambioris Marte	Active LS	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
14	Rhodes Brito	Levy Castenada			Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
15	Rhodes Brito	Ehab Fanous			Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
16	HNTB Corporation	Robert Denney	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
17	Baker Barrios	David Salley	Active LS	Active LS	Active LS	Active LS	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive

KEY
Active LS
Inactive
Began in FY 2018

Summary of Fees

Fiscal Year 2024	LS	$647,540.00
Fiscal Year 2025	LS	$525,260.00
Fiscal Year 2026	LS	$378,378.00
Total Fee	LS	$1,551,178.00

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE

Phase of Project:	Const. Ph. Services	TOTAL CONTRACT
1.0 Lump Sum Fee:	$647,540	**$647,540**
2.0 Not to Exceed Reimbursable Fee:	$0	**$0**
3.0 Not to Exceed Reimbursable Expenses:	$0	**$0**
4.0 TOTAL CONTRACT VALUE:	**$647,540**	**$647,540**
Total Lump Sum Labor Hours:	2,660	**2,660**
Total Not to Exceed Reimbursable Labor Hours:	-	**-**
TOTAL LABOR HOURS:	**2,660**	**2,660**
Average Hourly Rate:	$243	$243

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-2
SUMMARY OF LUMP SUM FEES

Phase of Project:	Const. Ph. Services		TOTAL		
HNTB TEAM	labor hours	Total Fee	labor hours	Cost	Avg. Rate
HNTB Corporation Core					
Lump Sum Fee Subtotal	2,660	$647,540	2,660	$647,540	$243
Total Lump Sum Amount:	**2,660**	**$647,540**	**2,660**	**$647,540**	$243

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-3
BREAKDOWN OF LUMP SUM FEES

Position:	Senior Program Director II		Senior Project Manager		Assistant Project Manager		TOTAL		
Rate ($/Hour):	$300.00		$230.00		$161.00				Avg. Hourly
HNTB Corporation - Core	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Construction Phase Services									
Consultant Coordination	80	$24,000	40	$9,200	200	$32,200	320	$65,400	$204
DSI/Bulletins	240	$72,000	140	$32,200	140	$22,540	520	$126,740	$244
QA/QC	200	$60,000	60	$13,800	60	$9,660	320	$83,460	$261
BIM Model Coordination	120	$36,000	100	$23,000	100	$16,100	320	$75,100	$235
Additional RFIs/Submittals	300	$90,000	220	$50,600	140	$22,540	660	$163,140	$247
Federal Funding Requirements	120	$36,000	40	$9,200	40	$6,440	200	$51,640	$258
Meetings	180	$54,000	80	$18,400	60	$9,660	320	$82,060	$256
Sub-Total Construction Phase Services	**1,240**	**$372,000**	**680**	**$156,400**	**740**	**$119,140**	**2,660**	**$647,540**	**$243**
TOTAL LUMP SUM FEE:	**1,240**	**$372,000**	**680**	**$156,400**	**740**	**$119,140**	**2,660**	**$647,540**	**$243**

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
HNTB Corporation	Senior Program Director II	$300
HNTB Corporation	Senior Project Manager	$230
HNTB Corporation	Assistant Project Manager	$161
HNTB Corporation	Senior Project Architect	$184
HNTB Corporation	Project Architect	$145
HNTB Corporation	Chief Eng / Architect	$260

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE

Phase of Project:	Const. Ph. Services	TOTAL CONTRACT
1.0 Lump Sum Fee:	$525,260	**$525,260**
2.0 Not to Exceed Reimbursable Fee:	$0	**$0**
3.0 Not to Exceed Reimbursable Expenses:	$0	**$0**
4.0 TOTAL CONTRACT VALUE:	**$525,260**	**$525,260**
Total Lump Sum Labor Hours:	2,080	**2,080**
Total Not to Exceed Reimbursable Labor Hours:	-	**-**
TOTAL LABOR HOURS:	**2,080**	**2,080**
Average Hourly Rate:	$253	$253

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-2
SUMMARY OF LUMP SUM FEES

Phase of Project:	Const. Ph. Services		TOTAL		
HNTB TEAM	labor hours	Total Fee	labor hours	Cost	Avg. Rate
HNTB Corporation Core					
Lump Sum Fee Subtotal	2,080	$525,260	2,080	$525,260	$253
Total Lump Sum Amount:	**2,080**	**$525,260**	**2,080**	**$525,260**	$253

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-3
BREAKDOWN OF LUMP SUM FEES

Position:	Senior Program Director II		Senior Project Manager		Assistant Project Manager		TOTAL		
Rate ($/Hour):	$315.00		$242.00		$169.00				Avg. Hourly
HNTB Corporation - Core	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Construction Phase Services									
Consultant Coordination	40	$12,600	40	$9,680	180	$30,420	260	$52,700	$203
DSI/Bulletins	160	$50,400	120	$29,040	120	$20,280	400	$99,720	$249
QA/QC	120	$37,800	60	$14,520	80	$13,520	260	$65,840	$253
BIM Model Coordination	120	$37,800	80	$19,360	60	$10,140	260	$67,300	$259
Additional RFIs/Submittals	240	$75,600	140	$33,880	140	$23,660	520	$133,140	$256
Federal Funding Requirements	80	$25,200	20	$4,840	20	$3,380	120	$33,420	$279
Meetings	180	$56,700	40	$9,680	40	$6,760	260	$73,140	$281
TOTAL LUMP SUM FEE:	**940**	**$296,100**	**500**	**$121,000**	**640**	**$108,160**	**2,080**	**$525,260**	**$253**

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
HNTB Corporation	Senior Program Director II	$315
HNTB Corporation	Senior Project Manager	$242
HNTB Corporation	Assistant Project Manager	$169
HNTB Corporation	Senior Project Architect	$193
HNTB Corporation	Project Architect	$152

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE

Phase of Project:	Const. Ph. Services	TOTAL CONTRACT
1.0 Lump Sum Fee:	$378,378	**$378,378**
2.0 Not to Exceed Reimbursable Fee:	$0	**$0**
3.0 Not to Exceed Reimbursable Expenses:	$0	**$0**
4.0 TOTAL CONTRACT VALUE:	**$378,378**	**$378,378**
Total Lump Sum Labor Hours:	1,386	**1,386**
Total Not to Exceed Reimbursable Labor Hours:	-	**-**
TOTAL LABOR HOURS:	**1,386**	**1,386**
Average Hourly Rate:	$273	**$273**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-2
SUMMARY OF LUMP SUM FEES

Phase of Project:	Const. Ph. Services		TOTAL		
HNTB TEAM	labor hours	Total Fee	labor hours	Cost	Avg. Rate
HNTB Corporation Core					
Lump Sum Fee Subtotal	1,386	$378,378	1,386	$378,378	$273
Total Lump Sum Amount:	**1,386**	**$378,378**	**1,386**	**$378,378**	$273

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-3
BREAKDOWN OF LUMP SUM FEES

Position:	Senior Program Director II		Senior Project Manager		Assistant Project Manager		TOTAL		
Rate ($/Hour):	$331.00		$254.00		$177.00				Avg. Hourly Rate
HNTB Corporation - Core	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	
Construction Phase Services									
Consultant Coordination	80	$26,480	40	$10,160	60	$10,620	180	$47,260	$263
DSI/Bulletins	140	$46,340	60	$15,240	60	$10,620	260	$72,200	$278
QA/QC	80	$26,480	40	$10,160	40	$7,080	160	$43,720	$273
BIM Model Coordination	80	$26,480	48	$12,192	48	$8,496	176	$47,168	$268
Additional RFIs/Submittals	200	$66,200	80	$20,320	80	$14,160	360	$100,680	$280
Federal Funding Requirements	40	$13,240	20	$5,080	30	$5,310	90	$23,630	$263
Meetings	80	$26,480	40	$10,160	40	$7,080	160	$43,720	$273
Sub-Total Construction Phase Services	**700**	**$231,700**	**328**	**$83,312**	**358**	**$63,366**	**1386**	**$378,378**	**$273**
TOTAL LUMP SUM FEE:	**700**	**$231,700**	**328**	**$83,312**	**358**	**$63,366**	**1386**	**$378,378**	**$273**

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.

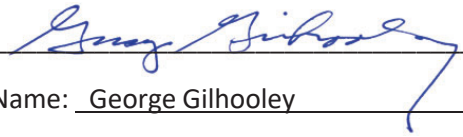
FIRM	POSITION	CONTRACT HOURLY RATE
HNTB Corporation	Senior Program Director II	$331
HNTB Corporation	Senior Project Manager	$254
HNTB Corporation	Assistant Project Manager	$177
HNTB Corporation	Senior Project Architect	$203
HNTB Corporation	Project Architect	$160

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 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 (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 Aviation Authority, whichever is later.

Consultant HNTB Corporation

By: 

Print Name: George Gilhooley

Date: November 8, 2023

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Prepared by Ksenia Merck, OAR)

Date: **November 21, 2023**

Re: **Request for Approval of a Job Order Construction Services Addendum to the Continuing Electrical Construction Services Agreement with Electrical Services, Inc for E-S00015 Terminal C KVAR Pilot Program, Orlando International Airport**

The scope of this project is to provide all equipment, material and labor necessary to complete the electrical system as defined in the drawings dated 10.26.23 prepared by Matern Engineering for the KVAR Pilot Project. The work includes the KVAR unit by Fortop, associated feeders and circuitry, testing and start up, replacement of existing 800 amp trip unit, housekeeping pad and permitting.

The duration of the project is 120 calendar days for Substantial Completion and 30 calendar days for Final Completion with a contemplated Notice to Proceed (NTP) date of November 28, 2023. Liquidated damages are defined as $0.00 per calendar day for late Substantial Completion and $0.00 per calendar day for late Final Completion.

This continuing contractor was selected for this project based on (☑ all that apply):

☒ Experience	☒ Available Personnel	☒ Current Workload
☒ Expertise	☐ Equitable Distribution	☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Line of Credit to be reimbursed by future General Airport Revenue Bonds . Funding source verified by _____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve a Job Order Construction Services Addendum to the Continuing Electrical Construction Services Agreement with above-referenced continuing contractor in the total direct-negotiated amount of $135,218.71 which includes a Lump Sum amount of $129,218.71, allowance(s) totaling the amount of $6,000.00 and waive the requirement for Performance and Payment Bonds.

CC
ITEM IV-B
11/21/2023

The invoicing method for this Job Order Contract will be:

☒ Lump Sum (with Allowances)
Payment Method: Payment on Allowances will be authorized only after an Allowance has been converted to an approved Change Order (or Field Change Order).

CONSTRUCTION AWARD	
L/S	**$129,218.71**
ALLOWANCE (NTE)	**6,000.00**
TOTAL	**$135,218.71**
AAC – Compliance Review Date	11/15/2023 ZTG
AAC – Funding Eligibility Review Date	11/16/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of a Job Order Construction Services Addendum to the Continuing Electrical Construction Services Agreement with Electrical Services, Inc for E-S00015 Terminal C KVAR Pilot Program, Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that Electric Services, Inc. did not propose small business participation in this job order construction services addendum as the majority of the work includes the KVAR unit by Fortop (non-small business).

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Electric Services, Inc.

INDUSTRIAL COMMERCIAL ELECTRICAL CONTRACTORS & ENGINEERS

EC#1415 CA#9435

1746 U.S. Highway 441, Leesburg, FL 34748

Telephone (352) 787-1322 Fax (352) 787-7871

Date: 11/15/2023

Greater Orlando Aviation Authority
1 Jeff Fuqua Blvd.
Orlando, FL 32824
Attn: Ksenia Merck

Project: **GOAA E-S00015 Terminal-C KVAR Pilot**

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 electrical system as defined in the drawings dated 10/26/23, unless noted otherwise, as prepared by Matern Engineering.

GENERAL SCOPE OF WORK:

1. Provide and install an Active Harmonic Filter as selected by GOAA.
2. Provide and install feeders and associated circuitry as specified. 3" conduit for feeders, not 4" as specified.
3. Provide one week of assistance during testing and start-up; limited to one ESI electrician.
4. Prepare required UONs.
5. Replace existing 800-amp trip unit with owner provided 250-amp.
6. Provide and install a housekeeping pad for new filter.
7. Required electrical permit fees.

LIMITATIONS & EXCLUSIONS:

1. X-ray of walls and or floors has not been included.
2. Limited to one week of start-up and testing support.
3. Replacement 250A trip unit by others, installed by ESI.
4. Permit construction drawings are by others.
5. No fire alarm, security, access control or low voltage equipment, wire, conduit, terminations or testing has been included.
6. All work to be completed during days and no overtime has been included.
7. Proposal good for up to 30-days.
8. Proposal excludes any additional federal or international tax that may not have been applied.

BASE BID:	**$129,218.71**
Travel Allowance:	**$ 6,000.00**
TOTAL	**$135,218.71**

Respectfully,

Wood T. Brazill, P.E.
Vice-President of Engineering

Electric Services, Inc.

Tele 352-787-1322 Fax 352-787-7871

SUMMARY SHEET

GOAA E-S00015 Terminal-C KVAR Pilot

November 15, 2023

ITEM NO.	Self-Performed - By Electric Services	MATERIAL-DOLLARS	LABOR-HOURS
1	BOM	2,417.67	201.24
2			
3			
	Subcontractors Quotes		
	KVAR Unit & start-up w/ sales tax - Fortop ($90,735.00)	96,229.10	

			TOTAL - SUBCONTRACTORS QUOTES		$ 96,229.10	
ADDITIONAL LABOR	HOURS		Miscellaneous Material and Labor		$ 2,417.67	201.24
Handling Material	10.06		Sales Tax		169.24	0.00
Superintendent			Additional Labor			30.19
Project Foreman	20.12		TOTALS - MATERIAL & SUB		$ 98,816.00	231.43
Contractual Negotiations		231.43	Standard Hours Labor @		$ 40.00	9,257.23
Estimating		-	Non-standard Labor @		$ 43.00	0.00
TOTAL (A)	30.19					0.00

UNITS	JOB EXPENSE	RATE	DOLLARS			
				Labor Hours	Subtotal Labor	9,257.23
115.7	Field Truck - hrs	$ 9.50	$ 1,099.30		42% Labor Burden	3,888.04
2.0	Field office - wks	$ 350.00	$ 700.00		**LABOR COST GROSS TOTAL**	13,145.27
0.0	Dumpster Disp.	$ 350.00	$ -		Equipment/Tool Expense (B)	4,586.70
1.0	Lull	$ 1,412.40	$ 1,412.40		Material Cost & Sub	98,816.00
0.0	30' Scisrs Lift - mth	$ 1,500.00	$ -		**TOTAL PRIME COST**	116,547.97
JOB EXPENSE					15% ESI-Over Head & Profit	3,047.83
Permitting			$ 1,375.00		10% Sub - Overhead & Profit	9,622.91
Travel			$ -		**TOTAL NET COST**	129,218.71
S&S permit drawings			$ -		Selling Price without Bond	129,218.71
Small Tools - Consumable			$ -		1.0% Bond	n/a
Equipment Rental Cost - metering			$ -		Selling Price with Bond	129,218.71
		TOTAL (B)	$ 4,586.70		**"PRICE QUOTED"**	**$129,218.71**

Electric Services, Inc.

Tele 352-787-1322 Fax 352-787-7871

SUMMARY SHEET

GOAA E-S00015 Terminal-C KVAR Pilot

November 15, 2023

Item #	Quantity	Item Name	Material	U	Labor	U	Ext. Material	Ext. Labor
9	40	EMT 1	153.90	C	0.08	E	61.56	3.10
14	40	EMT 3	688.50	C	0.22	E	275.40	8.68
64	3	EMT CONN, COMP IT S 1	72.90	C	0.12	E	2.19	0.37
69	3	EMT CONN, COMP IT S 3	1,431.00	C	0.39	E	42.93	1.16
97	4	EMT COUPLING, COMP S 1	70.20	C	0.08	E	2.81	0.31
102	4	EMT COUPLING, COMP S 3	1,193.40	C	0.34	E	47.74	1.36
110	2	EMT 90 3	3,308.18	C	0.39	E	66.16	0.78
241	1	CLOSE NIPPLE 1	133.62	C	0.14	E	1.34	0.14
246	1	CLOSE NIPPLE 3	837.76	C	0.23	E	8.38	0.23
411	5	C200 STRAP 1	121.50	C	0.08	E	6.08	0.39
416	5	C200 STRAP 3	265.95	C	0.16	E	13.30	0.78
419	20	B-905 STRUT 1 1/2	307.80	C	0.19	E	61.56	3.72
423	10	B-911 SPRING NUT 3/8	72.90	C	0.08	E	7.29	0.78
486	1	LB MA 1	21.60	E	0.62	E	21.60	0.62
491	1	LB MA 3	175.50	E	2.17	E	175.50	2.17
704	300	# 14 THHN/THWN STR	118.80	M	0.47	C	35.64	1.40
716	50	# 4 THHN/THWN	1,147.50	M	1.24	C	57.38	0.62
725	150	300 MCM THHN/THWN	6,675.75	M	4.96	C	1,001.36	7.44
1075	2	PLASTIC TAPE	0.86	E	0.78	E	1.73	1.55
1081	1	567 3M WIRE CLIPS	56.85	C	0.08	E	0.57	0.08
1151	24	3/8 ALTHREAD ROD	59.20	C	0.05	E	14.21	1.12
1152	32	3/8 HEX NUTS	3.78	C	0.03	E	1.21	0.99
1153	16	3/8 LOCK WASHER	5.33	C	0.03	E	0.85	0.50
1154	24	3/8 FLAT WASHER	5.40	C	0.03	E	1.30	0.74
1156	10	3/8 DROP IN STEEL ANCHOR	51.98	C	0.12	E	5.20	1.24
1183	2	ACRYLIC LABLE 3 X 5	7.43	E	0.78	E	14.85	1.55
1179	6	80 LB SACKRETE	7.22	E	0.90	E	43.34	5.40
	2	8' 2x4 Lumber cut & installed	4.39	E	1.00	E	8.78	2.00
	1	Wire mesh	23.50	E	1.00	E	23.50	1.00
	2	Chafer edging	5.50	E	0.25	E	11.00	0.50
	1	Pre Concrete Pad			1.00	E		1.00
	1	Pour and Finish Pad			4.00	E		4.00
	1	Installation of KVAR unit			32.00	E		32.00
	1	Replace eixisting 800A trip unit with 250A			4.00	E		4.00
	1	Bi-weekly GOAA meetings			4.00	E		4.00
	1	Permitting process			4.00	E		4.00
	1	Coordination of badge access			4.00	E		4.00
	1	Start-up testing 1-week, crew of 1 - days			40.00	E		40.00
	1	Coordination of Subcontractor			20.00	E		20.00
	1	UON Prep & Submittal			4.00	E		4.00
	1	GC MISC. MATERIAL & LABOR					402.94	33.54
		TOTAL					$2,417.67	201.24

United Rentals

RENTAL QUOTE

BRANCH 669
1150 E LANDSTREET RD
ORLANDO FL 32824-7917
407-851-1660

227107582

Customer #	: 110617
Quote Date	: 11/13/23
Estimated Out	: 11/27/23 09:00 AM
Estimated In	: 12/04/23 09:00 AM
UR Job Loc	: 1 JEFF FUQUA BLVD, O
UR Job #	: 161
Customer Job ID:	
P.O. #	: TBD
Ordered By	: WOODY BRAZILL
Written By	: DARYLE ACREE
Salesperson	: JOSE CASIANO

Job Site

ORLANDO INT'L AIRPORT
1 JEFF FUQUA BLVD
ORLANDO FL 32827-4392

Office: 352-787-1322

ELECTRIC SERVICES
1746 E MAIN ST
LEESBURG FL 34748

This is not an invoice
Please do not pay from this document

RENTAL ITEMS:

Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt.
1	2331025	FORKLIFT VARIABLE REACH 5000# 16-20'		502.00	978.00	1,595.00	978.00
					Rental Subtotal:		978.00

SALES/MISCELLANEOUS ITEMS:

Qty	Item		Price	Unit of Measure	Extended Amt.
1	ENVIRONMENTAL SERVICE CHARGE	[ENV/MCI]	19.560	EACH	19.56
1	DELIVERY CHARGE		175.000	EACH	175.00
1	PICKUP CHARGE		175.000	EACH	175.00
				Sales/Misc Subtotal:	369.56
				Agreement Subtotal:	1,347.56
				Tax:	64.84
				Estimated Total:	1,412.40

COMMENTS/NOTES:

CONTACT: NICK WHEELER
CELL#: 407-272-7803

TO SCHEDULE EQUIPMENT FOR PICKUP, CALL 800-UR-RENTS (800-877-3687)
WE ARE AVAILABLE 24/7 TO SUPPLY YOU WITH A CONFIRMATION #
IN ORDER TO CLOSE THIS CONTRACT

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

NOTICE: This is not a rental agreement. The rental of equipment and any items listed above is subject to availability and 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.

Fortop Quote 230926 Power Improvement Orlando International Airport

MCO GOAA-South Terminal C Panel 7EMSBW15
Proof of Concept - Hardware , services and conditions

Company	Electric Services, Inc.
Contact	Mr. W. T. Brazill
Address	1746 U.S. Highway 441, Leesburg, FL 34748, US.

Company	Fortop Automation & Energycontrol BV
Contact person	A. Pit
Technical Lead	J. Schoen
Address	Grote Kranerweerd 53 8064 PE Zwartsluis The Netherlands

Version	2.4 (generator only, proof of concept)
Quoting date	03-11-2023

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   1.2 Compensation determination 3
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Appendix A MET-MPE-GOAA-STC-Panel 7EMSBW15-Final Report

Appendix B Datasheet_PPM300_EN – ADF Power module

Appendix C Datasheet umg605_db_en – Janitza power quality analyzer

Appendix D Rates Energy control 2024

Appendix E Fortop terms and conditions

1. Introduction

With this quote we offer the Filters systems as a proof of concept for the Orlando international Airport Terminal C, needed to mitigate the reactive power and harmonics to reduce reactive power flow from load to generators. For this quotation the data and information that are used is provided by Matern and gathered by Fortop during their site visit in February 2022.

In chapter 1.2 the needed compensation power is calculated for distribution panel 7EMSBW15-A and B.

The prices and conditions stated in this document are based if an order is placed from a US entity.

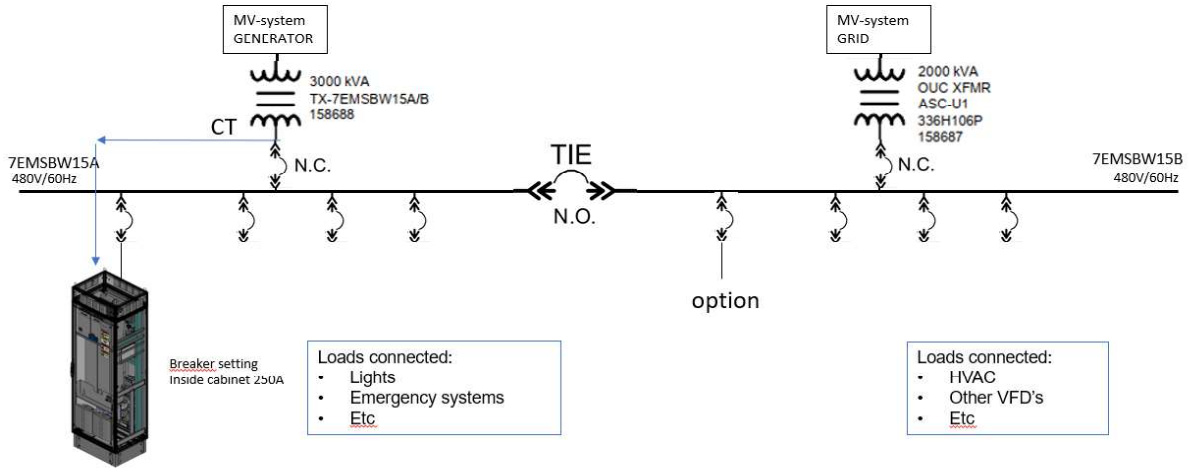
1.1 Project MCO Reactive Power compensation

Serving over 50 million passengers annually, Orlando International Airport (MCO) is the busiest airport in Florida and sits at number 10 for the busiest airports in the U.S. With its central position in Florida and proximity to some major leisure attractions, including Walt Disney World, Universal Orlando, and beaches, MCO is the choice airport for many domestic and international travelers.

Since September 2022 Terminal C is officially open. The massive project adds 15 new gates that can accommodate up to 20 aircraft, including narrow-body, jumbo, and super-jumbo jets. Terminal C is expanding on “The Orlando Experience,” which will provide the expected 12 million annual passengers with the aesthetic of air, water, and sky throughout their journey.

1.2 Compensation determination

The location for the proof of concept is chosen to be at the Main Distribution Board 7EMSBW15. This panel is fed by the MV-generator (Panel A) and MV-utility (Panel B). During generator feeding, the Utility feeding is opened (from NC to NO) and the bus-tie is closed. It is strongly recommended to install filters on both locations, A and B panel, to ensure optimal grid conditions in every situation. For this proof of Concept however only focus is Generator supply. During generator operation the single filter installed at 7EMSBW15A will compensate the loads connected to this part of the installation and when the bus-tie is closed it also compensates the 15B loads.



The measurements performed by Matern show a low load on the 7EMSBW15-A panel with relatively high reactive power and harmonic current. Because of the low load this has a minimal impact on the MV. The reactive power upstream that needs to be compensated is -87 kVAr. Because panel B will also have impact on the generator operation this also needs to be compensated for reactive power. In this situation the harmonics have a much greater influence it's recommended to take care of this as well.

	7EMSBW15A	7EMSBW15B
INPUT DATA		
Current:	53 A	410 A
Power:	37 kW	340 kW
Fund. Reactive Power:	-27 kVAr	-60/76 kVAr
Upstream React. Power:	-87 kVAr	Unknown
Power factor:	0,78	0,97
THDi/TDD:	50 %	16 %
THDu:	5,9 %	5,7 %
THDu contribution:	0,3 %	1,81 %
FILTER SELECTION		
Minimal needed filter	150 A	159 A
Phenomena to be compensate	Reactive Power	Reactive Power/Harmonics/Resonance
RESULT		
PF	0,99	0,99
TDD	<8%	<8%
THDu contribution	<0,5%	<0,5%

2. Hardware Specification

2.1 Results compensation calculation

The results of the calculation and data analysis (1.2) conclude that the following compensation is needed to achieve the infrastructure design planning levels: **Power Factor = >0,98**, **THDu contribution < 0,5% THDu, and TDD <8% (IEEE519 demand).** Using this level targets ensure a healthy power quality at low voltage level and prevents upstream medium voltage non-compliance and reactive power at the generators.

Technical optimal solution (see offer version 1.3)

Based on the calculation the needed compensation for each MDS is around 150 A. Based on the compensation strategy and needs per location the following system is needed per distribution panel.

Distribution	ADF model	Calculated	Recommended
7EMSBW15A	ADF P300-OEM-SVG/480-UL	≈ 150 A	2 x 95 A (2x 80 kVAr)
7EMSBW15B	ADF P300-OEM-220/480-UL	≈ 156 A	2x 110 A

Conditions for realizing these levels:

- The filter sizing is made based on the net reactive power and harmonic contribution generated by the loads, based on the measurements done by Matern and previous experiences. External factors like medium voltage distortion levels or resonances, that influence the net contribution are excluded from this calculations and results.
- If the customer installs the recommended systems with a sizing as quoted in this offer.

Solution for Proof of Concept “generator operation only” (this offer 2.2)

Based on the calculation the needed compensation for each MDS is around 150 A. Based on the compensation strategy and needs per location the following system is needed per distribution panel.

Distribution	ADF model	Calculated	Recommended
7EMSBW15A	ADF P300-OEM-220/480-UL	≈ 195 A	2x 110 A

Conditions for realizing these levels:

- The filter sizing is made based on the net reactive power and harmonic contribution generated by the loads, based on the measurements done by Matern and previous experiences. External factors like medium voltage distortion levels or resonances, that influence the net contribution are excluded from this calculations and results.
- If the customer installs the recommended systems with a sizing as quoted in this offer.

2.2 Fortop P300-OEM Active Hybrid Filter cabinet

The Fortop P300-OEM Hybrid Filter is a modular filter concept and a ready-to-connect solution for compensation of disturbances in commercial, industrial, and marine and offshore grids. It is modularly constructed from individual filter modules and can be easily expanded if the performance is increased, or requirements change. With the use of this modular and hybrid filter grid compliance towards IEC or IEEE is maintained, production loss prevented, and energy efficiency increased.

Features of Fortop Hybrid Filter Technology:

- Will cover multiple loads, so space can be saved.
- Working in parallel with the load mean higher redundancy of primary loads.
- System is made modular for future expansion and upgrades.
- Different types of compensation modules inside the same cabinet.
- Different approvals available like CE, UL, DNV, LR.
- Protection class IP22, IP43, IP54, NEMA type 2 and NEMA type 12.
- Web-interface, Modbus TCP, digital I/O connection available.

There are several options like main breaker, additional Power Quality monitoring device, remote access etc. On request, customer specific items can be added.

For each task, active and passive filter modules can be combined with the hybrid filter system. Functions which that can be integrated with the following functions:

- Mitigation of harmonics 2^{nd} to 50^{th} order.
- Reactive power compensation.
- Compensate for unbalance loads.
- Damp resonances.
- Reduce supra-harmonic up to 20 kHz.
- Eliminate common-mode and differential-mode interference.

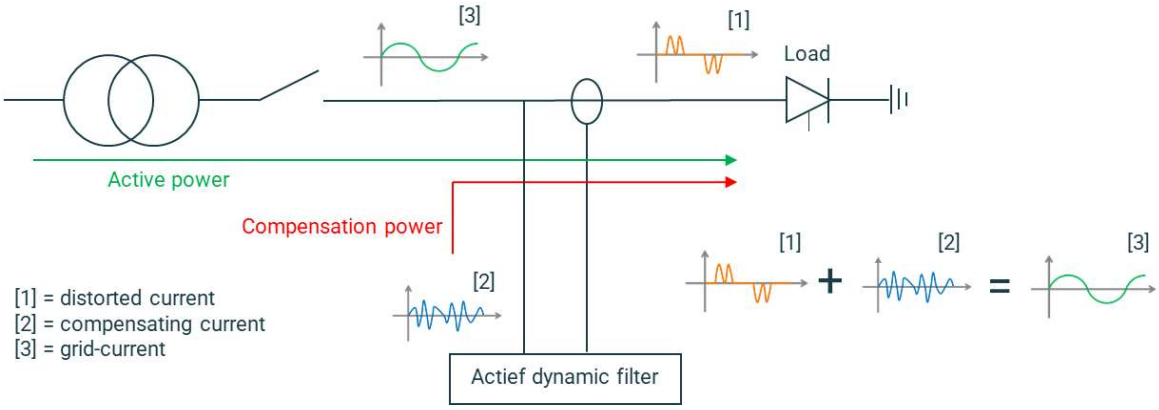
The filter cabinet, a Rittal VX25 cabinet, has different widths of 600mm [24inch], 800mm [30inch] and 1.000mm [32inch], and depth 600mm [24 inch]. Depending on the needed modules these cabinets have space for 1, 2 or 3 modules.

ADF P300 OEM

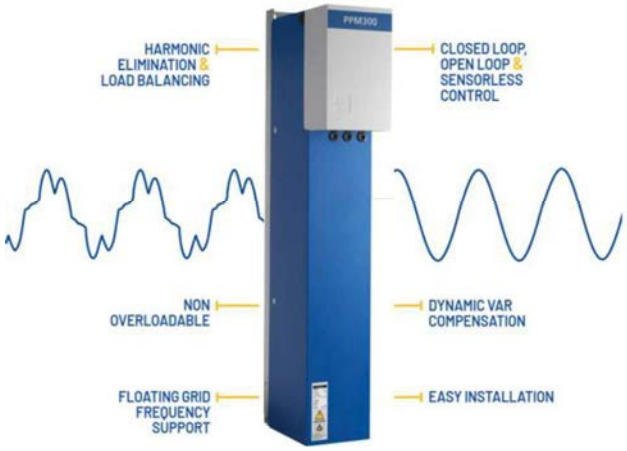
2.2.1 Active ADF Filter module, PPM300

Compensating Non-linear loads with ADF technology

Components such as frequency converters, LED lighting and sustainable energy sources pollute the mains power. That is why the use of Active Dynamic Filters (ADF) in modern installations is a must. An ADF acts like a programmable current source with a behavior comparable with a noise cancelling system. An active filter measures current distortion [1] and injects a counter current [2] this changes the chape of the current in front of the filter [3] back to a normal sinusoidal chape. This creates a lower load on the transformer with less losses and increased voltage quality.



In this project the active filters are used to compensate the dynamic reactive power and reduce harmonics below 8% THDi. There are three of these modules in the P300-OEM cabinet.



ADF PPM300 Module and its characteristics

Results using PPM300 Active Filter technology:

- Reduction of reactive power, capacitive and inductive
- Mitigation of harmonics 2nd to 50th order
- Compensate for unbalance loads
- Reduction of voltage harmonics
- Reduction of resonance effects

ADF Power Tuning makes the use of energy more efficient. Your processes run more stable, maintenance costs are reduced, and the active dynamic filter ensures that you comply with international standards and guidelines.

2.3 7EMSBW15-A Panel

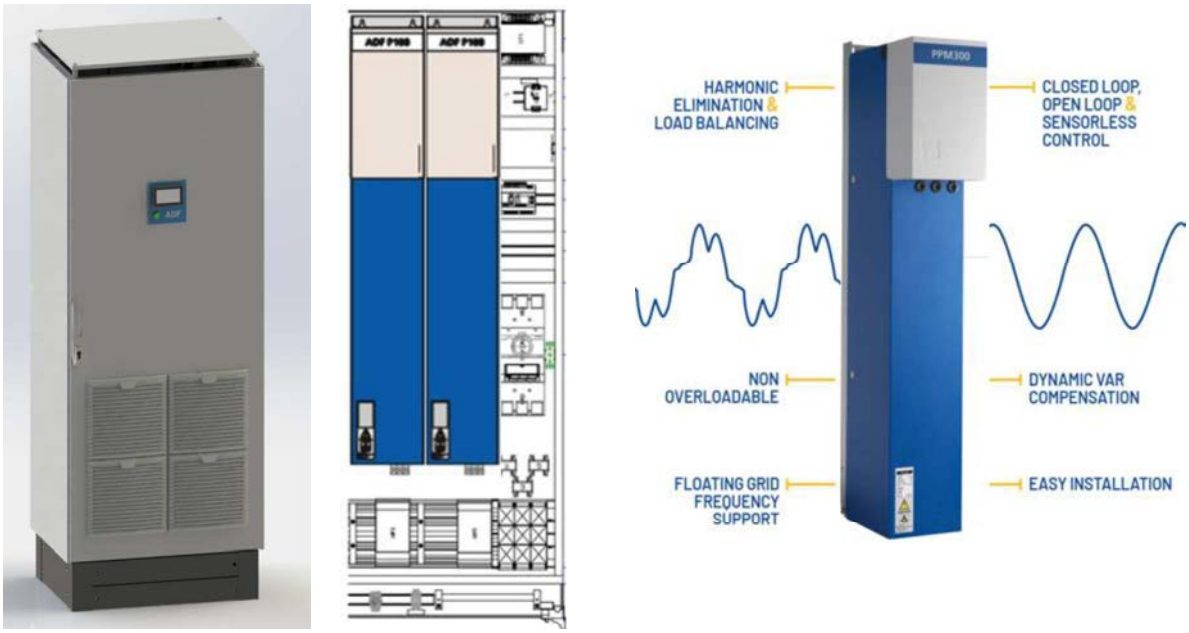
Active Dynamic Filter ADF P300-OEM-220/480-UL

Active Dynamic Filter P300-OEM
Type: P300-220/480-OEM-800-UL-T-E311--N2

Panel	: Rittal VX25-system
Dimensions	: 800x600x 2400 mm (WxDxH) incl 200mm base & 150mm NEMA12 rooftop
	: 31,6”x23,7”x79” (WxDxH) + 7,9” base + 5,9”rooftop
Cooling	: Air Cooled
Operating temp.	: 0 to 40°C (32 to 104°F) continuous, <25°C / 77°F recommended.
Voltage	: 480 V (208 - 480V)
Nominal current	: 220 A (rms) compensation capacity per phase
Modules included	: 2 pcs. PPM300-110/480 (UL)
Compensation in	: in 3 phases without zero (3-wire)
Harmonic comp.	: 2nd to 50th order
Connection type	: 3 phase without neutral (TN, TT)

Options included:

MDS6 option	: Multimaster
Control on door	: PIB button with color indication and HMI
IP Class	: NEMA12
Cabling	: Halogen free
Base	: 200mm base
Software options	: Modbus TCP over IP
Power Analyzer	: UMG605 PRO Integrated in panel (see section 2.3)
Remote access	: VPN ready Newcold network
Main Circuit Breaker	: Yes



Front view ADF P300 OEM + 2x PPM300

2.4 Specification P300-OEM - Power Quality Analyzer

For a continuous survey of the power quality and to support remote commissioning and maintenance a Janitza UMG605-PRO power analyzer is integrated in de Filter Panel.

Janitza PQ Analyzer

Type	: UMG 605-PRO UL (Uh 95...240Vac/135...340Vdc)
Article nr.	: JA500232
Mounting	: DIN-rail
Supply voltage	: 95...240Vac & 135...340Vdc
Measurement	: 400V +/- 10% / ..../5A ..../1A +20%
Memory	: 128 MB
Interfaces	: Profibus, RS232, RS485, Ethernet
Protocols	: Modbus RTU, Modbus TCP, Profibus DP
Harmonic/Interharm.	: U/I until 63rd
Event registration	: Sags (ms), swells and transients(us)
Reports	: IEEE519 and Energy reports over analysis software

Front View of the Janitza power quality analyzer UMG605

3. Specification labor

3.1 Engineering, FAT, and remote support installation

- Preparation commissioning - gathering necessary documents, software licenses.
- FAT & Pre-commissioning at panel builder in the Netherlands

Filter units' preparations: 1 x Fortop Filter cabinet

Outline planning:

Amount	Item	Work description	Article number
16	h	Consultancy & Engineering	FP400511
4	h	Preparation pre-commissioning	FP400511
-	h	FAT of P300-OEM (included in hardware price)	--------
4	h	Pre-commissioning (Communication settings)	FP400511
4	h	traveling hours	FP400512
400	km	Traveling costs	FP400513
8	h	Installation support (remote)	FP400511

FAT & Pre-commissioning @ panel builder

- Visual control of the compensation-systems and connections.
- Check as build with drawings.
- Measurement of all the connection points.
- Powering compensation system.
- Set basic IP addresses in ADF system and UMG 605.
- Adjust system configuration and diagnose run.
- Firmware update (if applicable).
- Installing software options.
- Voltage-control license.
- Impedance license.
- Modbus-TCP license.
- Configuration UMG 605.
- Prepare connectivity.

FAT is included in the hardware price

3.2 Commissioning, fine tuning and problem-solving at site

The systems are prepared for commissioning on site.

Below the planning for this site visit.

- Commissioning of the ADF OEM systems (on site)
- Optimize compensation systems and full load tests and measurements.
- Training for local electrical site team.
- Reporting of results

Filter units' preparations: 1 x Fortop Filter cabinet

Planning:

Amount	Item	Work description	Article number
4	h	Preparation	FP400511
8	h	General Meetings // Installation support	FP400514
40	h	Commissioning and measurements on site	FP400514
4	h	Training maintenance	FP400514
32	h	Travel hours	FP400516
8	h	Reporting	FP400514

We use the following measuring devices:

- Dewesoft / NEO 8000H
- Janitza UMG605 (integrated in P300-OEM panel)

The following work will be executed:

- Remote Visual control compensation-system and connections.
- Control voltage supply, fuses and power supply.
- Connect separate analyze equipment for commissioning and control.
- Control connection CT's with measuring system.
- Adjust system configuration and "diagnose run".
- Firmware update (if applicable).
- Set up basic configuration.
- Test to control functionality, temperature, and result system.
- Adjust parameters and optimize the system.
- Test different company conditions and the stability of the filter.
- Perform additional measurement on several systems.
- In case of problems system function, troubleshoot on site.
- Possible test of external I/O's for control and notifications of the system.
- Possible test remote connection with server or network client.
- Document and secure system settings.
- Setup connectivity (if needed).

4. Prices

Technical recommendation

Transformer	Model/Type	Price Dollar/pcs	Total Price ($)
7EMSBW15B	ADF P300-OEM-220/480	$ 49,210.-	
Total hardware ADF			$ 49,210.-
Services			
3.1 Engineering		$ 6,075.-	
3.2 Commissioning / Measurements on site		$ 17,550.-	
ADF Packaging FCA - Veghel (NL)		$ 4,600.-	
Flight, hotel, car rental and other travel costs*			
Total Services			$ 28,225.-
Transport costs FCA NL, by Air NL – Orlando (USA)			$ 13,300.-
Total price			**$ 90,735.-**

~~*Flight, hotel, car rental costs and other travel expenses will be charged (+10%) on subsequent calculation.~~

5. Conditions

All our quotations are subjected to our standard terms and conditions, see Appendix E. Exceptions are only valid after written confirmation.

5.1 Warranty conditions

One year warranty is included as standard.. Extended warranty is possible at request up to a maximum of 5years. The warranty covers the product and parts and excludes work and labor and starts after the delivery of the filter according to the delivery conditions.

The warranty as is only valid when:

- Commissioning and service of the products is performed by Fortop or an Authorized Fortop service partner. Exceptions can be made for individual customers according to a written agreement.
- Routine maintenance is performed and registered according to Fortop's maintenance schedule and specifications.
- Extended warranty only applies to products and options purchased at the time of order.
- Additional options are not covered by extended warranty.
- Support during commissioning and use of the system is explicitly not covered under warranty.
- System has not been modified by the customer.
- The systems are energized within one year after delivery.

Above warranty terms & conditions are valid if other terms and conditions have not been agreed in a separate agreement.

5.2 Storage conditions

Ambient temperature	-25℃ to 70℃ / -13°F to 158°F
Relative Humidity	0-95% RH, non-condensing
Environmental conditions according to IEC80721-3-1	1K22/1Z1/1B1/1C2/1S11/1M11

Prior to the installation, keep the Fortop Filter in the shipping packaging

If the product needs to be stored longer than one year, the product needs to be energized, checked, and eventually refurbished. For further assistance, contact Fortop Service & Support

5.3 Conditions work fortop

- The client takes care of the installation and internal transport of the compensation systems.
- The client takes care of the voltage testing (between L-L and L-N) of the power supply and demonstrates this during commissioning.
- Fortop is not authorized to switch on the customers premises. The client is responsible for an authorized person to switch during commissioning.
- All systems should be installed and connected according to the hardware manual.
- All systems are safely accessible to a maximum height of 2m.
- To control the working of the filter system a representative load (of at least 70%) should be active during commissioning.
- The client takes care of sufficient guidance during the work on site.
- The client takes care of an introduction and safety training.
- Unforeseen waiting hours will be charged afterwards as extra work.

- At cancellation of 1 week for start of the work 50% of our costs will be charged.
- At cancellation of 2 days for start of the work 80% of our costs will be charged.
- The physical location of all relevant system components must be clear for start of the work or the client must provide guidance.
- Resolving connection errors because of incorrect connecting the compensation system will be charges as extra work after consultation with the client.
- The work will be planned definitively after receipt of the order.

5.4 Freight and packaging

To avoid unnecessary handling and handling costs Fortop recommends FCA as the preferred alternative for transporting products from Fortop to the agreed destination in the United States.

Please note: It is the buyer's responsibility to claim any damage or loss that has occurred during the transportation. Fortop cannot claim for any damages or loss as the insurance is owned by the buyer. Please use the check list in case of damage or loss of goods.

The units are transported horizontally and crated in wood and ready for transport by air.

5.5 Rates

See attachment "Rates energy control 2024" (See appendix)

5.6 Legal conditions @ ordering over the USA entity

- Fortop is insured for liability in the Canada/ USA region.
- Fortop automation & energy-control is not liable for more than her professional liability insurer pays out to Fortop automation & energy-control or claiming party.

5.7 Delivery and payment conditions

Payment	30 days net	
Payment terms	Hardware	100% at delivery FCA Schijndel Netherlands, INCOTERMS 2022
	Labor	100% after final report
Delivery	ADF systems FCA Schijndel Netherlands, INCOTERMS 2022	
Delivery address	Orlando address (delivery) Terminal C 10200 Jeff Fuqua Blvd. South Orlando, FL 32827	
Delivery time	Hardware	Mid December 2023, of ordered before October 10th. 2023
	Labor	To be executed Jan/Feb 2024
Prices	in US Dollars excl. VAT	
Packaging	Wooden box Box provided with 5 cm thick strips of tempex, Box provided with the correct transport marking, Supply 2 bags of Moisture absorption per box, Supplying ISPM15 Certificates, Horizontal transport,	
Prices	in US Dollars excl. VAT, The Netherlands	
Validity	Up to November 30th 2023	

All prices are based on the contractual rate of exchange, where EUR 1 is equal to USD 1,05 (the rate of exchange of the USD on the quoting date). If, at the date of actual payment, the exchange rate of the USD quoted by the Dutch National Bank, differs from the contractual rate of exchange by 10% percent or more, the prices in USD shall be adjusted upwards or downwards to realize the same amount in EUR as if the contractual rate of exchange was used.

fortop: We love technology!

Full insight into your energy quality, and optimal safety and reliability of your machines and installations. Components that are critical to your business processes. But what is the best solution for your specific situation?

Fortop is a specialist in the field of automation and energy control. We look along, think along, and develop the best solution together with our suppliers. Even if it doesn't exist yet. Because malfunctions or problems within your energy management or installations can endanger your production and business continuity. Fortop helps by safeguarding and accelerating these processes. In addition, we are happy to take you along in the latest market developments.

We work intensively with our suppliers. Each one of them family businesses with years of experience, which only develop A-products. Combined with our specialist expertise, we can realize the best solution for our customers all over the world.

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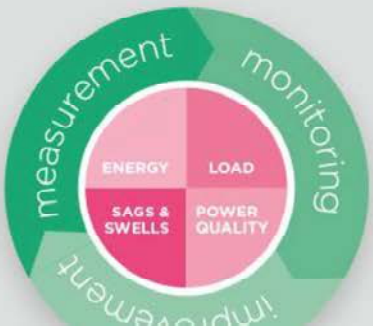
Mail: info@fortop.be

ENERGY CONTROL

a coherent process of measurements, monitoring and improvements



SECTION 01 10 00 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and Agreement/Provisions of Contract, including Contractual Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 PROJECT DESCRIPTION

A. Project/Work Identification:

B. The General overall description of the Work of the Contract for the:

Day 2 projects-E-S00015 KVAR Pilot Program
Orlando International Airport
Orlando, Florida

can be summarized for purposes of administration and payment in the manner of project segments as follows:

C. The Project consists of install new KVAR units, breakers and feeders, testing, metering, recording for analysis for total solution required.

D. The specific scope included in this ~~bid package~~ direct negotiated Job Order is defined in the scope documents prepared by the Engineer of Record, Matern Engineering dated October 26, 2023.

1.3 CONTRACTOR USE OF PREMISES

A. Limit use of the premises to construction activities within areas indicated; allow for any Owner and tenant occupancy and use by the public on the airport roadways.

1. Minimize any disruption to all operating areas, including roadway and parking areas.
    a. Existing public services and utility systems shall remain in operation during the construction period, excluding times required for installation of new work unless specifically allowed by the Contract.
    b. Schedule and coordinate outages and interruptions of public service with the OAR. See the specific forms for processes and time constraints. Utilize the following forms list below and in the "Construction Forms" Section:
        1) Form #018 System Interruption/Utility Outage Notification.
        2) Form #018a System Interruption/Utility Outage Notification Procedured.
        3) Form #018b Roofing Impact Notification
        4) Form #018c Security System Interruption/Outage Request
2. Provide all temporary directional signage, safety, and barricading required for passenger services in Terminal C.
    a. Submit a plan indicating signage, safety, and barricading for access routes, storage areas and work sites, at the pre-construction meeting.

3. ~~Directional signing at the access gate and or along the delivery route to the storage area or work site shall be as directed by the OAR~~.
4. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.
5. Access to site shall be shown on the plans or as directed by the OAR. Do not permit any unauthorized construction personnel or traffic on the site. Provide for traffic control to and from the various construction areas. Immediately clean-up any debris deposited along the access road as a result of construction traffic.
    a. Keep driveways and entrances serving the premises clear and available to the Owner, Tenant, their employees at all times, and the public. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.
6. All material orders for delivery to the site will use as a delivery address the access point at the Contractor's storage site.
    a. Coordinate with the OAR and allow for the least possible disruption of the facility's normal operations for delivery of materials and removal of demolished and discarded materials.
    b. Delivery of materials and removal of demolished and discarded materials shall be scheduled as follows:
        1) Schedule and coordinate all deliveries and removal of debris at ~~the NTS~~ between the hours of 10:00 PM and 6:00 AM each day of the work week or as coordinated with the OAR.
        2) ~~Schedule all other deliveries and removal of debris as directed by the CM@R~~.
7. The limits of construction material storage areas, equipment storage areas, and parking areas shall be as indicated in the approved site utilization plan or as directed by the OAR. Erect and maintain suitable fencing, marking and warning devices suitable for both day/night use to delineate the perimeter of all such areas. Refer to specification Section 01 55 30.01 Requirements for Use of South Canal Road.
    a. Parking management cards may be used to provide contractor parking in the terminal garages and terminal top parking for the NTS work only. These cards will cost $60 per card per month, taxes not included.
8. Coordinate construction activities with the OAR.

1.4 OWNER OCCUPANCY

A. Full Owner Occupancy: The Owner, its tenants, and the public will occupy the site and existing building and adjacent facilities (outside the limits of the construction area unless specified) during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts, facilitate occupancy usage, and protect persons and property in the project area during the entire construction period. Perform the Work so as not to interfere with the Owner's operations.

1. All work may be carried out without time restrictions, unless otherwise directed by the Owner except for below:

1.5 LAWS, PERMITS, AND REGULATIONS

A. Comply with all applicable laws, ordinances, regulations, codes, ADA requirements.

B. Obtain and pay for all license and permits, all fees and charges for connection to outside services and parking for Contractor's vehicles.

C. Abide by FAA and Owner’s safety and security regulations and procedures relative to access to, and work in, Airport Operations Areas and secured facilities.

D. Comply with Owner’s insurance requirements.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

SECTION 01 21 00 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and General Conditions of the Contract, including other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements governing allowances.

B. All applicable allowances are listed on the Bid Form.

1.3 SCOPE, SELECTION AND PRICING

A. For each Work item covered by an allowance, including concealed conditions, the Contractor shall submit a Request for Change Order (RCO) at the earliest practical date after award of the Contract or upon discovery of the condition. The RCO shall include the scope of work, the schedule and the amount of allowance to be used for the Work item. The OAR will process a Contract Modification for the Work item in accordance with the terms of the Contract. Note that the General Conditions outline the various types of Contract Modifications as well as various methods of payment, including Force Account provisions.

B. At the OAR’s request, submit proposals for each applicable allowance item for use in making final selections. Include recommendations that are relevant to performing the Work.

C. Purchase products and systems selected by the OAR. Do not begin Work on an item covered by an allowance until a Contract Modification has been authorized by the Owner.

1.4 SUBMITTALS

A. General: Submit proposals for the work included in allowances, in the form specified for Change Orders.

1. Submit invoices or delivery slips to show the actual quantities of materials delivered to the site for use in fulfillment of each allowance.

1.5 ALLOWANCES

A. Use the allowance only as directed by the OAR or Owner for the Owner's purposes. The inclusion of Allowances in the Contract is not a guarantee that payment will be made for any amount of the allowance unless the Owner has determined there has been full compliance with the Contract Documents for each Allowance.

B. Allowances shall only include the Contractor's direct costs and mark-up in accordance with the Changes in the Work Article of the General Conditions.

1.6 UNUSED ALLOWANCES

A. At Project close-out, credit all unused Allowance monies to the Owner by Change Order.

PART 2 - PART 2 - PRODUCTS (Not Applicable)

PART 3 - PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine products covered by an Allowance promptly upon delivery for damage or defects. Report findings and proposed corrective action to the OAR in writing.

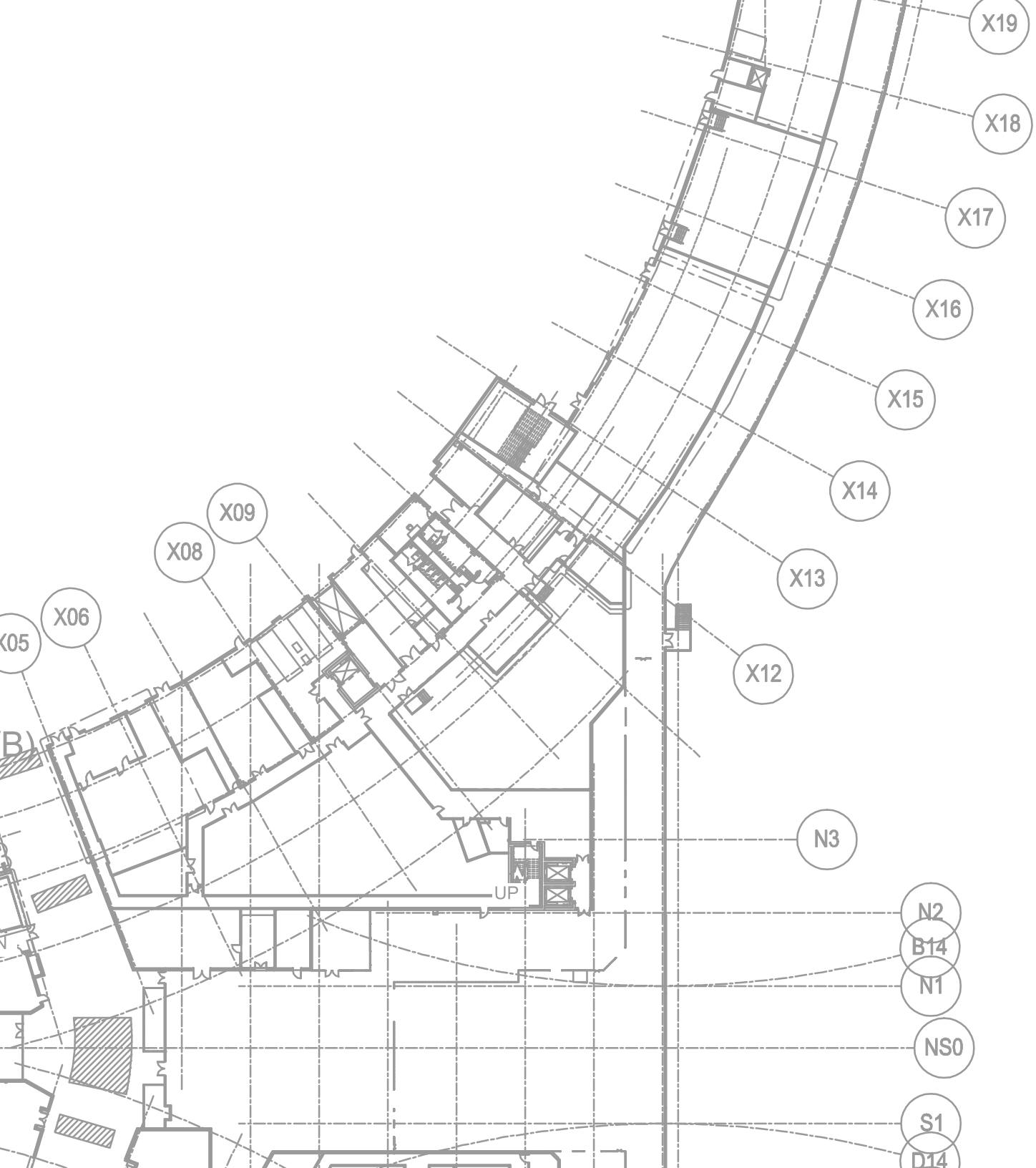
3.2 PREPARATION

A. Coordinate all work for each Allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

A. Allowance A- Travel $ 6,000.00

END OF SECTION 01 21 00


X19
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NS0
S1
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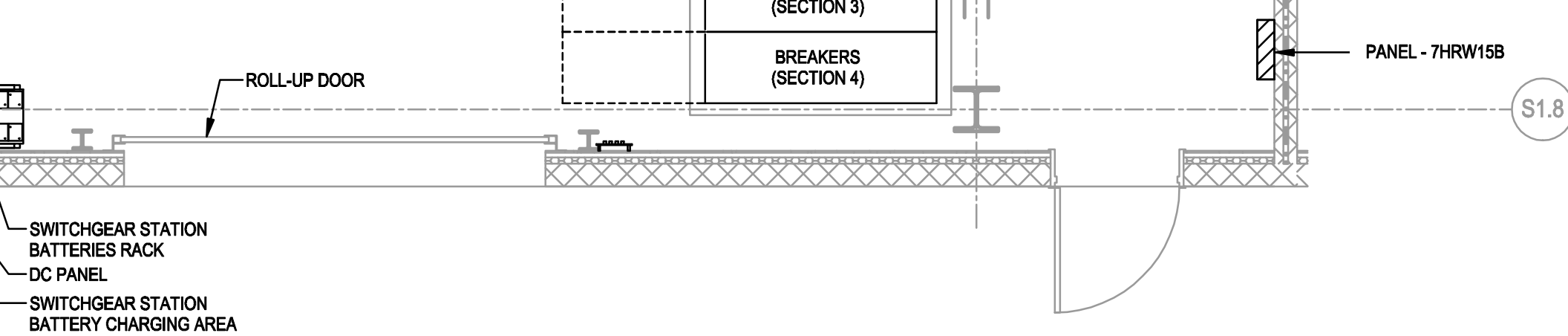
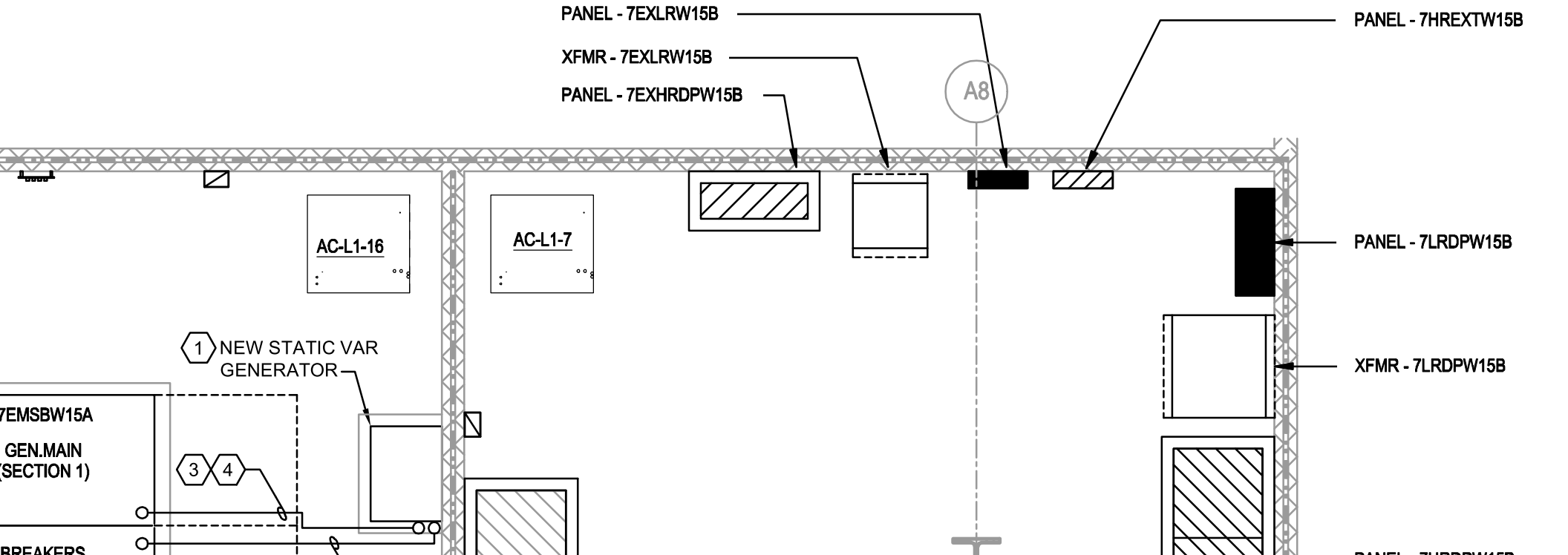


OOM 01.5177/01.5180 EXISTING CONDITIONS



YES	DRAWOUT SWBD : YES
YES	FRONT ACCESS :

TYPE :	SH.TRIP
MFR : RUSSELECTRIC	GFP

-------AIC RATING---------->	
	KA(*)
100	KA
QUIRE FULL RATING TO ACHIEVE	

NOTES AND REFERENCE NOTES:

MFR = SIZE CB PER MFR. RECOMMENDATIONS.
$ = NEW CB IN EXIST SPACE
& = REPLACE EXIST CB WITH NEW
SH = SHUNT TRIP C.B.
AF = ARC FAULT CB
TIE BREAKER AND BUS CONNECTION

GENERAL NOTES:
(1) ALL C.B.'S FEEDING HVAC EQUIPMENT TO BE HACR TYPE.
(2) ALL C.B.'S FEEDING ELEV EQUIP TO BE SHUNT-TRIP TYPE.
(3) ALL C.B.'S FEEDING ELEV EQUIP TO BE SIZED AS REQ'D BY MFR.
(4) ALL C.B.'S FEEDING HID LTG TO BE HID RATED.
(5) NO MULTIWIRE BRANCH CKTS ARE ALLOWED
(6) NOT USED.
(7) SECTION I TO INCLUDE MCB/MLO AND METERS

SERIES
FULLY R
(*) NOTE:

OPTIONAL CALC	NO			
ACTUAL CONN LOAD	3062	KVA	3683	AMPS
DEMAND	2644	KVA	3181	AMPS
DIVERSITY	2644	KVA	3181	AMPS
TRANSFORMER SIZE		KVA		

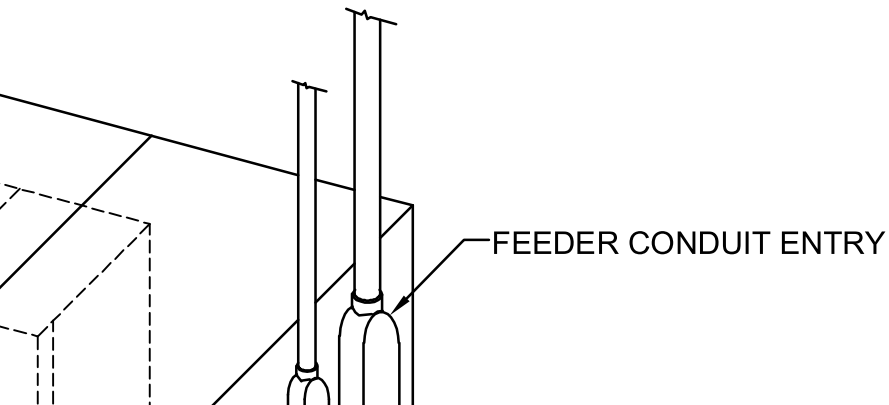
TOTAL AMPS A PH	3501
TOTAL AMPS B PH	3501
TOTAL AMPS C PH	3501
INFO CODE:	

SECTION III - DRAW OUT | WIDTH: 26 | DEPTH: 60

CKT. NO.	CKT. NO.	REF NOTE	C.B. POLE	C.B. AMPS	LOAD AMPS	LOAD AMPS	LOAD AMPS	LOAD DESCRIPTION	LOAD CONN	LOAD TYPE
1	1	##	3	4000	3093			PANEL: 7EMSBW15B	3505	14.0
			-------	-------		3093		------	3505	14.0
			-------	-------			3093	------	3505	14.0
2	2									
3	3									
4	4									

SECTION II - DRAW OUT | WIDTH: 26 | DEPTH: 60

LOAD DESCRIPTION	LOAD CONN	LOAD TYPE	LOAD AMPS	LOAD AMPS	LOAD AMPS	C.B. AMPS	C.B. POLE
PANEL: 7EHRDPW15B	178	14.0	178			800	3
-------	178	14.0		178		------	-------
-------	178	14.0			178	------	-------
SPARE		0.2				800	3
-------		0.2				------	-------
-------		0.2				------	-------
METERING							3
-------						------	-------
-------						------	-------
STATIC VAR GENERATOR	230	5.0	230			250	3
-------	230	5.0		230		------	-------
-------	230	5.0			230	------	-------



GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(As prepared by Jamie McGonagill)

Date: **November 21, 2023**

Re: **Request for Approval to Reject All Bids Received September 14, 2023 and Request for Recommendation of Approval of a Job Order Construction Services Addendum to the Continuing Low Voltage Construction Services Agreement with Quality Cable Contractors, Inc., for the Award of E-00281 AS4 PA System Upgrade at the Orlando International Airport**

The scope of this project consists of upgrading the Airside 4 components of the Innovative Electronic Designs (IED) public address (PA) system as further described in the attached summary of work.

On August 16, 2023, an Invitation to Bid was sent to the Aviation Authority's Continuing Electrical and Low Voltage Contractors, a total of 14 contractors. On September 14, 2023, a single bid was received as follows:

Quality Cable Contractors, Inc. (QCCI)	$4,792.896.00
Independent Estimate	$3,720,773.00

It is recommended that the bid be rejected as it exceeds the estimate and construction budget, failed to achieve the MWBE participation goal of 3% and no evidence of good faith efforts was submitted with the bid or subsequently received. Re-bidding among the continuing contractors is unlikely to generate additional competition and, given the critical nature of the public address system, which requires access throughout the airside, and the urgent need to update the system, additional bidding is not recommended.

Since QCCI has experience with this public address system and has successfully performed similar projects, a job order addendum has been negotiated that fulfills the original design intent of the project, is within budget and can meet the Aviation Authority's scheduling needs. It was determined that an allowance is not required and, in consultation with Facilities, the quantity of project spares was reduced. QCCI provided a proposal that captured all of the required scope, including a performance & payment bond.

The duration of the project is 165 calendar days for Substantial Completion and 45 calendar days for Final Completion with a contemplated Notice to Proceed (NTP) date of December 20, 2023. Liquidated damages are defined as $1,400.00 per calendar day for late Substantial Completion and $700.00 per calendar day for late Final Completion.

CC
ITEM IV-C
11/21/2023

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previously approved General Airport Revenue Bonds. Funding source verified by_____ of Construction Finance on_____/_____/_____as correct and available.

It is respectfully requested that the Construction Committee reject the bid received on September 14, 2023 and recommend to the Aviation Authority Board approval of an Addendum to the Continuing Construction Services Agreement with Quality Cable Contractors, Inc., for the award of the above-referenced project for the direct negotiated amount of $3,692,147.00.

CONSTRUCTION AWARD	
L/S	3,692,147.00
NTE	0.00
TOTAL	3,692,147.00
AAC – Compliance Review Date	11/15/2023 ZTG
AAC – Funding Eligibility Review Date	11/16/2023

SECTION 01 11 00 - SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and General Conditions of Contract, including other Division 1 Specification Sections, apply to this Section.

1.2 PROJECT DESCRIPTION

A. Project/Work Identification:

1. The General overall description of the Work of the Contract for the:
   E-281 AS 4 PA System Upgrade
   Orlando International Airport
   Orlando, Florida

   can be summarized for purposes of administration and payment in the manner of project segments as follows:

2. The Project consists of design and installation of a new PA system for the airside 4 portion of the north terminal complex.

1.3 CONTRACTOR USE OF PREMISES

A. Limit use of the premises to construction activities within areas indicated; allow for any Owner and tenant occupancy, and use by the public.

1. Minimize any disruption to all operating areas, including parking areas.

   a. Existing public services and utility systems shall remain in operation during the construction period, excluding times required for installation of new work unless specifically allowed by the Contract.
   b. Schedule and coordinate outages and interruptions of public service with the OAR. See the specific forms for processes and time constraints. Utilize the following forms:

      1) Form #018 System Interruption/Utility Outage Notification.
      2) Form #018a System Interruption/Utility Outage Notification Procedured.
      3) Form #018b Roofing Impact Notification
      4) Form #018c Security System Interruption/Outage Request

2. Provide all temporary directional signage, safety, and barricading required for passenger services.

   a. Submit a plan indicating signage, safety, and barricading for access routes, storage areas and work sites, at the pre-construction meeting.

b. Directional signing at the access gate and or along the delivery route to the storage area or work site shall be as directed by the OAR.

3. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.

4. Access to site shall be shown on the plans or as directed by the OAR. Do not permit any unauthorized construction personnel or traffic on the site. Provide for traffic control to and from the various construction areas. Immediately clean-up any debris deposited along the access road as a result of construction traffic.

   a. Keep driveways and entrances serving the premises clear and available to the Owner, Tenant, their employees at all times, and the public. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

5. All material orders for delivery to the site will use as a delivery address the access point at the Contractor's storage site.

   a. Coordinate with the OAR and allow for the least possible disruption of the facilities normal operations for delivery of materials and removal of demolished and discarded materials.
   b. Delivery of materials and removal of demolished and discarded materials shall be scheduled as follows:

      1) As needed.

6. The limits of construction material storage areas, equipment storage areas, and parking areas shall be as indicated in the documents or as directed by the OAR. Erect and maintain suitable fencing, marking and warning devices suitable for both day/night use to delineate the perimeter of all such areas. Refer to specification Section 01 55 30 Requirements for Use of Canal Road.

   a. Parking management cards may be used to provide contractor parking in the terminal garages and terminal top parking. These cards will cost $60 per card per month, taxes not included.

B. Use of the Existing Building: Maintain the existing building in a weathertight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.

1.4 OWNER OCCUPANCY

A. Full Owner Occupancy: The Owner, its tenants, and the public will occupy the site and existing building and adjacent facilities (outside the limits of the construction area unless specified) during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts, facilitate occupancy usage, and protect persons and property in the project area during the entire construction period. Perform the Work so as not to interfere with the Owner's operations.

1. Work in public areas of the Terminal is to be carried out during nighttime hours, typically Monday through Friday, 8:00PM to 4:00AM. Work in the Non-Public areas may be performed without time restrictions, unless otherwise directed by the Owner.

1.5 LAWS, PERMITS, AND REGULATIONS

A. Comply with all applicable laws, ordinances, regulations, codes, ADA requirements.

B. Obtain and pay for all license and permits, all fees and charges for connection to outside services and parking for Contractor's vehicles.

C. Abide by FAA and Owner’s safety and security regulations and procedures relative to access to, and work in, Airport Operations Areas and secured facilities.

D. Comply with Owner’s insurance requirements.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 01 11 00

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QUALITY CABLE CONTRACTORS, INC.

Est. 1986

Phone Systems, Voice, Data, Fiber Optics, CATV Cabling, Security Cameras, Access Control
MBE, LDB & DBE CERTIFIED

QCCI is pleased to provide this proposal. Please let us know if you have any questions. We look forward to working with you.

Best Regards,

Gabriel del Rio
CEO

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Gabriel Del Rio
BICSI ID # 299409
EXPIRES 12-31-26
RCDD

BICSI CORPORATE MEMBER

1936 Premier Row Orlando, FL 32809
Phone 407-246-0606 Fax 407-482-5942
E-mail: info@gcciorlando.com
State Licenses: ES-0000248, EG13000643
www.gcciflorida.com

Quote: 2022615 / Date: 10/31/2023

Customer

Quality Cable Contractors, Inc.
1936 Premier Row
Orlando, FL
32809, US
+14072460606

GREATER ORLANDO AVIATION AUTHORITY
11312 Terminal C Service Road, Bldg 16
Orlando, FL
32824, USA

Prepared By:
Gabriel Del Rio
+14072460606
gabriel@qcciflorida.com

Project: RFQ2023-328 GOAA E-00281 AS 4 PA System Upgrade

Scope of Work

Pricing for RFQ2023-328 GOAA E-00281 AS 4 PA System Upgrade

Drawings Dated: 07/31/2023

Specifications Dated: July 2023

PRICE ADJUSTED AND REMOVED SOME REQUIREMENTS SHOWN IN THE SPECIFICATION. ITEMS SHOWN IN CLARIFICATIONS BELOW.

DEMO:

- Demo and remove 59 Microphones
- Demo and remove 10 Ambient Noise Sensors and reinstall in new location
- Demo and remove 38 loudspeakers

MICROPHONES AND AMBIENT NOISE SENSORS:

- Install 53 Microphones
- Install 16 Ambient Noise Sensors (new and relocated)

SPEAKER INSTALLATION AND CABLING:

- (771) Existing speakers to remain - verify operation, location, circuit and indicate on As-Built
- (29) Existing Ambient Noise Sensors to remain - verify operation, location, circuit and indicate on As-Built
- Install (1,217) ceiling mounted loudspeakers, (6) wall mounted speakers and (16) pendant loudspeakers

HORIZONTAL CABLING:

- Re-work (16) existing Cat-6 outlets
- Re-use (11) existing Cat-6 outlets
- Install (25) new Cat-6 outlets

FIRE ALARM SYSTEM ADDITIONS / MODIFICATIONS

- GOAA standard EST equipment is included to extend/modify the system for areas within scope

AV EQUIPMENT AND PROGRAMMING

- Provide and Install (1,217) ceiling mounted loudspeakers
- Provide and Install (6) wall mounted loudspeakers
- Provide and Install (16) pendant loudspeakers
- Provide and Install (53) microphones
- Provide and Install (6) ambient noise sensors
- Provide and Install new head end equipment including main frames and amp cards

ELECTRICAL AND CONDUIT WORK:

- Communication raceways with pull strings as indicated on the bid drawings.
- Required pull and junction boxes.
- Power feeds to new PDU as indicated with new 30A/2P breaker in.
- Reconfiguration of existing communication raceways at location indicated.
- Conduit bonding bushings and conductors with connection to local ground bar in communications rooms.
- Conduit with pull string for new fire alarm module as indicated on bid drawings.

PATCH AND PAINT:

- Patch and paint as needed

SPARE PARTS:

- Spare parts for data cabling are patch cords as requested
- Spare parts for AV equipment as shown in list provided on 10/23/2023

ASSUMPTIONS AND CLARIFICATIONS:

- Specifications include materials and scope of work not relative to this project.
- Any items not shown on the drawings and relevant to this project are excluded.
- 6 / E (pg 40) 100 hours for an installer to assist in commissioning? This is with the consultant I presume and is over and above the testing / config that we would have already done. This requirment was removed from pricing.
- 3.6 / F (pg 40) 30 hours for an engineer to assist in config. This requirement was removed from pricing.
- 20% Allowance removed.
- Quantities shown in pricing breakout are for reference only. Pricing is lump sum.
- QCCI shall not be held liable for errors, omissions, or contradictions in designs by others, nor inadequacies of materials and equipment specified.

Demo Work

	Quantity
Remove Microphone	24 ea
Remove Microphone w/Cable	35 ea
Remove Ambient Noise Sensor with Cable, Test and Reinstall In New Location	10 ea

	Quantity
Remove Speaker w/Cable	38 ea

Install Microphones and Ambient Noise Sensors

	Quantity
Install Type 1 Microphone Paging Station	40 ea
Install Type 2 Microphone Paging Station	12 ea
Install Type 3 Microphone Paging Station	1 ea
Install Ambient Noise Sensors (New/Relocated)	16 ea
West Penn - 2921000	4,000 ft

Speaker Installation and Cabling

	Quantity
Existing Speakers and Vol. Control to Remain - Verify Operation, Quantity, Location, Circuit and Indicate on As-Built	771 ea
Existing Ambient Noise Sensor to Remain - Verify Operation, Quantity, Location, Circuit and Indicate on As-Built	29 ea
Type 1 Speaker Install, includes termination	624 ea
Type 2 Speaker Install, includes termination	33 ea
Type 3 Speaker Install, includes termination	492 ea
Type 4 Speaker Install, includes termination	68 ea
Type 5 Speaker Install, includes termination	18 ea
Type 6 Speaker Install, includes termination	16 ea
Type 7 Speaker Install, includes termination	6 ea
Re-tap Speaker	7 ea
Speaker Home Run Locations	41 ea
Belden - 5000UE 12/2 Home Runs	11,000 ft
Speaker Jumper Locations	72 ea
Belden - 5100UE Jumpers	4,000 ea
Cable continuity test	1,318 ea
Labeling	2,636 ea

HORIZONTAL CABLING 1 Port Cat-6 MIC Outlet (Re-Work, Re-Use & New)

	Quantity
Re-work Existing Cat-6 Cable	16 ea
Re-use Existing Data Outlet	11 ea

	Quantity
New 1 Port Cat-6 Outlet for Microphone Paging Station	25 ea

Fire Alarm System Additions / Modifications

	Quantity
Fire Alarm System Additions / Modifications	1 ea

AV Equipment and Programing

	Quantity
AV EQUIPMENT AND PROGRAMMING	1 ea

Electrical and Conduit Work

	Quantity
ELECTRICAL SUBCONTRACTOR	1 ea

Patch & Paint

	Quantity
Patch & Paint	1 ea

MISC

	Quantity
Misc. hardware	1 ea
Velcro - 1/2IN VELCRO BLK 75FT 189755	2 ea
Blank Wall Plate, 2-Gang, Vertical Mount, 302/304 Stainless Steel (SS23)	32 ea
if needed Permit Requirements	1 ea
Lift Rental	10 ea

Spare Parts

	Quantity
OCC - PCSIX10B04	52 ea

Included(+)

1. All listed in SOW
2. Permit Fees, If Needed
3. Identification and labeling for all work described in above scope of work
4. All installed CAT6/CAT6A and Fiber cables will be tested with a cable certifier to ensure compliance with manufacturer and ANSI/TIA/EIA. QCCI will provide test results if needed.

Included(+)

5. Complete all work in accordance with local and national electrical codes for the work described in scope of work above.

Excluded(-)

1. Hazardous substance identification, detection or abatement
2. Plenum Cabling
3. Any Distribution or network equipment for an activate system like switches, routers, etc for GOAA network
4. Any work not listed in SOW
5. Communications Racks or Cabinets
6. 6 / E (pg 40) 100 hours for an installer to assist in commissioning? This is with the consultant I presume and is over and above the testing / config that we would have already done. This requirment was removed from pricing.
7. 3.6 / F (pg 40) 30 hours for an engineer to assist in config. This requirement was removed from pricing.
8. 20% Allowance

Notes

- Insurance QCCI will maintain, at all times during the effectiveness of this Agreement, comprehensive general liability insurance and worker's compensation insurance.
- Schedule QCCI will furnish sufficient workers to perform work as described on scope of work above during normal business hours, Monday-Friday 7:00am to 4:00pm. After hours time is included as needed.
- Project total cost The project total for the work described in the scope of work above will be and inclusive of all labor, materials, tools, equipment, transportation and taxes
- Terms – Monthly progress payment. ~~Net 30 days~~ Deposit – 10% of total cost for Mobilization. (Negotiable)
- Payment and Performance bond included on this proposal.

All Terms are in accordance with the terms of the base agreement for continuing contractor services.

Summary

Subtotal	$ 3,692,147.38

$ 3,692,147

Accepted By .....

Date .....

GOAA AS4 PA System Upgrade Estimate

Price Summary		Total Cost $	3% Contingency $	Gross Margin $	Total Price $
Equipment					
Public Address System		1,164,752	34,943	63,142	1,263,251
Spare Parts		145,633	0	7,665	153,298
	Equipment Subtotal	**1,310,385**	**34,943**	**70,807**	**1,416,549**
Home Office Project Management & Engineering					
Engineering		8,109	243	6,834	15,186
Project Management		30,240	907	25,484	56,631
Bank Charges		0	0	0	0
CAD		46,148	1,384	38,890	86,423
3rd Party Inspection:		0	0	0	0
Project Meetings		0	0	0	0
Pre-Install Integration Testing		9,280	278	7,821	17,379
Packing		0	0	0	0
Warranty		0	0	0	0
	Home Office & PM Subtotal	**93,777**	**2,813**	**79,028**	**175,619**
Site Services					
Mobilization		108,787	3,198	47,062	159,047
Demobilization (included in Mobilization)		0	0	0	0
Construction / Commissioning		1,051,706	31,551	886,301	1,969,559
Site Training (included in Construction hours)		0	0	0	0
System Documentation (included in Engineering)		0	0	0	0
OEM Support		0	0	0	0
	Site Subtotal	**1,160,493**	**34,750**	**933,363**	**2,128,606**
	Total	**2,564,655**	**72,505**	**1,083,198**	**3,720,773**
Miscellaneous					
Design growth allowance	20%				744,155
	Misc. Total	**0**	**0**	**0**	**744,155**
	Grand Total	**2,564,655**	**72,505**	**1,083,198**	**4,464,927**

Proposal Vaildity:	N/A
Delivery (Incoterms):	N/A
Availability:	N/A
Warranty Period:	12 months
Payment Terms:	N/A
Notes	1. Includes 3-month pre-mob Engineering and site activities. Includes 6-month mobilization period. 2. Owner to provide site bathrooms and garbage dumpster/disposal service. 3. Assumes local contractor with no travel costs (lodging, meals, etc.). 60 mi./day allowed for company vehicles. 4. Assumes full-time HSE Rep not required due to small site presence; Owner to provide. 5. MTO based on GOAA Permit Set dated 7/31/23. 6. Assumes existing cabinets are OFE and don't require any electrical work to accommodate new equipment. 7. Excludes external connection to Fire Alarm system.

HAHN INTEGRATED SYSTEMS, INC.

GOAA AS4 PA System Upgrade Estimate

Equipment Description	Model	Manufacturer	Qty	Unit	USD Unit Price	USD Total Item Price	USD Total System Price
Public Address System							
ACS Controllers (Primary & Lifeline)	IP216-D	AtlasIED	2	each	40,939	81,878	
Power Amplifier Frames	T112	AtlasIED	9	each	24,392	219,525	
Power Amplifier Cards (Dual Channel)	T1202-120V-T1	AtlasIED	57	each	3,406	194,151	
Type 1 Microphone Paging Station – Full Function Touchscreen (Gate Counters & CBP)	571D	AtlasIED	40	each	7,222	288,860	
Type 2 Microphone Paging Station – Limited Function 4-Button (Gate Boarding Doors)	IPCSD4	AtlasIED	12	each	2,111	25,334	
Type 3 Microphone Paging Station – Equipment Rack Mounted	IPCSDTOUCH-H	AtlasIED	1	each	9,536	9,536	
Type 1 Loudspeakers – 4" full range component driver replacement	FC104T	AtlasIED	618	each	64	39,645	
Type 2 Loudspeakers - 8" coaxial component driver replacement	C803AT167	AtlasIED	33	each	142	4,671	
Type 3 Loudspeakers - 4" coaxial assembly, replacement (gate hold rooms)	FAP42T	AtlasIED	473	each	155	73,235	
Type 4 Loudspeakers - 6" coaxial assembly, new units (restrooms)	FAP62T	AtlasIED	22	each	180	3,966	
Type 5 Loudspeakers - 12" coaxial component driver replacement (high atrium)	CX12T60	AtlasIED	18	each	628	11,307	
Type 6 Loudspeakers - 6" coaxial assembly, pendants (APM Station)	P60DT	Biamp	16	each	398	6,370	
Type 7 Loudspeakers - linear array (Concourse skylight areas)	UBX4	Renkus-Heinz	6	each	885	5,308	
Ambient Noise Sensors (new and reused/relocated existing units)	540S	AtlasIED	45	each	797	35,881	
Cat 6 cable		Generic	27,000	ft	1	13,500	
Speaker cable 12/2		Generic	22,350	ft	2	42,689	
Conduit, EMT, 1"		Generic	10,200	ft	17	174,828	
Electrical bulks		Generic	1	lot	12,184	12,184	
Temporary equipment cabinets for cutover		Generic	8	lot	2,548	20,383	
				Total for Public Address System			**1,263,251**

HAHN INTEGRATED SYSTEMS, INC.

GOAA AS4 PA System Upgrade Estimate

Equipment Description	Model	Manufacturer	Qty	Unit	USD Unit Price	USD Total Item Price	USD Total System Price
Spare Parts							
Power Amplifier Frames	T112	AtlasIED	1	each	23,681	23,681	
Power Amplifier Cards (Dual Channel)	T1202-120V-T1	AtlasIED	12	each	3,307	39,683	
Type 1 Microphone Paging Station – Full Function Touchscreen (Gate Counters & CBP)	571D	AtlasIED	8	each	7,011	56,089	
Type 2 Microphone Paging Station – Limited Function 4-Button (Gate Boarding Doors)	IPCSD4	AtlasIED	6	each	2,050	12,298	
Type 1 Loudspeakers – 4" full range component driver replacement	FC104T	AtlasIED	6	each	62	374	
Type 2 Loudspeakers - 8" coaxial component driver replacement	C803AT167	AtlasIED	6	each	137	825	
Type 3 Loudspeakers - 4" coaxial assembly, replacement (gate hold rooms)	FAP42T	AtlasIED	6	each	150	902	
Type 4 Loudspeakers - 6" coaxial assembly, new units (restrooms)	FAP62T	AtlasIED	6	each	175	1,050	
Type 5 Loudspeakers - 12" coaxial component driver replacement (high atrium)	CX12T60	AtlasIED	2	each	610	1,220	
Type 6 Loudspeakers - 6" coaxial assembly, pendants (APM Station)	P60DT	Biamp	2	each	387	773	
Type 7 Loudspeakers - linear array (Concourse skylight areas)	UBX4	Renkus-Heinz	1	each	859	859	
Ambient Noise Sensors (new and reused/relocated existing units)	540S	AtlasIED	4	each	774	3,097	
AtlasIED Model 501HH Handheld Microphone	501HH	AtlasIED	8	each	1,068	8,547	
AtlasIED Model 501HH Handheld Microphone cord, 10'	IED500HHCA-10	AtlasIED	8	each	54	430	
AtlasIED Model 1544ZOP 4x4 Smart Zone Output Processor	1544ZOP	AtlasIED	1	each	3,471	3,471	
Total for Spare Parts							**153,298**

HAHN INTEGRATED SYSTEMS, INC.

GOAA AS4 PA System Upgrade Estimate

Engineering Descriptions	Quant	Units	Sell Price USD
Design and Engineering			
Engineering	153	Hrs	15,186
Inhouse Stores	0	Hrs	0
Equipment built workshop	0	Hrs	0
Engineering Inhouse			
Miscellaneous Engineering Costs			
Translations of SDRL	0	Lot	0
Design and Engineering Total			**15,186**
CAD			
Inhouse CAD	1,132	Hrs	82,677
Documentation			
Final docs / Manuals / Dossiers $2.6k - $6.6k	1	sets	3,745
System Documentation Total			**86,423**
Project Management			
Project Manager	60	Day	56,631
Project Management Total			**56,631**
Project Support			
Documentation Control			
Project Scheduling			
Misc Project Admin			
Project Support Total			**0**
Functional Support			
Finance and Accounting			
Contracts Management			
Supply Chain			
Project Support Total			**0**
Bank Charges			
Bank Guarantee		Lot	0
Bank Charges Total			**0**
3rd Party Inspection:			
Labor - Design Review Verification		Lot	0
Labor - Class Review		Lot	0
Flights		Lot	0
Accommodation		Lot	0
3rd Party Design Review :		Lot	0
3rd Party Certification Total			**0**
Project Meetings	0	Meetings	0
Flights (per meeting)		Lot	
Accommodation (per meeting)		Lot	
Project Meetings Total			**0**
Pre-Install Integration Testing			
Project Manager	10	Day	9,439
Engineer	10	Day	7,940
Travel		Lot	0
Accomodation		Night	0
Factory Acceptance Tests Total			**17,379**
Packing			
Packing Crates Including Labor		ea	0
Third Party deliveries (may incl in the "costings" sheet)		ea	0
Packing Total			**0**
Delivery		Lot	0
Delivery Total			**0**
Engineering Totals			**175,619**

HAHN INTEGRATED SYSTEMS, INC.

GOAA AS4 PA System Upgrade Estimate

Site Services	Quant	Units	Sell Price USD
Mobilization			
Business Visas	0	ea	0
Medicals	0	ea	0
Background checks	29	ea	2,175
Flights	0	ea	0
Transit hotel	0	ea	0
Transit Meals	0	ea	0
In Country Travel (e.g. rail, taxi, etc)	0	ea	0
Special Tools	0	lot	0
Test Equipment	0	lot	0
Jobsite establishment	1	lot	156,872
Mobilization Total			**159,047**
Demobilization (included in Mobilization)			
Site Cleanup	0	lot	0
In Country Travel (e.g. rail, taxi, etc)	0	ea	0
Transit hotel	0	ea	0
Transit Meals	0	ea	0
Flights	0	ea	0
Demobilization Total			**0**
Construction / Commissioning			
Project Manager/Site Manager	120	day	113,263
Quality Engineer (QA/QC)	120	day	73,711
Field Engineer	120	day	95,284
Materials Manager	120	day	57,530
Admin Assistant	120	day	39,552
Project Controller/Scheduler	60	day	35,057
Document Controller	60	day	30,563
2-man installation crew (includes cost of foreman)	706	hr	112,382
3-man installation crew (includes cost of foreman)	6,733	hr	1,412,216
Construction / Commissioning Support Total			**1,969,559**
Site Training (included in Construction hours)			
Training System1	0	day	0
Training System2	0	day	0
Training System3	0	day	0
Training System4	0	day	0
Site TrainingTotal			**0**
System Documentation (included in Engineering)			
System Documentation Total			**0**
OEM Support			
OEM Support Total			**0**
Site Services Totals			**2,128,606**

HAHN INTEGRATED SYSTEMS, INC.

Project Code	Legend			Submission				Manual		PE Stamp Requirement
	Submission	Manuals Requirements	Example	Required with Quotation	Submit for Information / Review	Reviewed at Vendor Site	Certified / As Built	MRB		
	A - Award C - Commissioning D - Dispatch M - Mobilization P - Procurement T - Integration Testing W - Periodic issue - Before + After # - Number of weeks X - Quotation	To identify requirement for inclusion of a document in a manual Corresponding project code for a manual is to be entered in this column	+5P = document to be submitted 5 weeks after receipt of Purchase Order 2W - document to be submitted every 2 weeks							
C	**Calculations**									
	Voltage Drop Calculation									
D	**Drawings**									
	Nameplate Arrangement Details									
	Standard Details - Loudspeakers									
	Standard Details - Microphone Paging Stations									
	Standard Details - Equipment Cabinet Layout									
	Standard Details - Misc. Equipment									
	Equipment Location Drawings - Loudspeaker Suspension						X			X
	Equipment Location Drawings						X			
	Cabinet/Rack Elevation Drawings						X			
	Electrical Single Line Diagram						X			
	Connection Diagrams						X			
	System External Interfaces Diagram						X			
	Block Diagrams						X			
	Custom Millwork Drawings									
	Grounding and Bonding Plans						X			
	Conduit Routing Plan						X			
E	**Equipment Performance Data**									
G	**General Project Management / Administration**									
	Upgrade/Cut-Over Plan									
	Project Personnel Roster									
	Project Schedule									
	Project Schedule Narrative									
	Monthly Report									
L	**Lists**									
	Equipment List						X			
	Spares List									
	Proof of Concept Key Components List									
	Heat Load Summary						X			
	System Network Configuration and Addressing Scheme						X			
	System Software Configuration and Settings									
M	**Maintenance, Operation**									
	Operating Instructions									
	System Warranty Certificate									
	Manufacturer Service Manuals									
	System Configuration Files						X			
	Operation & Maintenance Manuals									
P	**Procedures**									
Q	**Quality, Certification, and Warranties**									
	Quality Assurance Program									
R	**Technical Reports and Studies**									
	Existing Conditions Report									
	Commissioning Test Plans									
	Commissioning Test Results									
T	**Technical Data Sheets**									
	Equipment Cut Sheets									
X	**Procurement**									

Design Hours					
Type	Qty	Hrs	Ext	Rate	Subtotal
Engineer	1	6	6	$ 39.00	$ 234.00
CAD	1	6	6	$ 39.00	$ 234.00
CAD	1	8	8	$ 39.00	$ 312.00
CAD	1	8	8	$ 39.00	$ 312.00
CAD	1	8	8	$ 39.00	$ 312.00
CAD	1	8	8	$ 39.00	$ 312.00
CAD	11	12	132	$ 39.00	$ 5,148.00
CAD	22	14	308	$ 39.00	$ 12,012.00
CAD	4	16	64	$ 39.00	$ 2,496.00
CAD	1	14	14	$ 39.00	$ 546.00
CAD	12	12	144	$ 39.00	$ 5,616.00
CAD	1	14	14	$ 39.00	$ 546.00
CAD	2	18	36	$ 39.00	$ 1,404.00
CAD	2	4	8	$ 39.00	$ 312.00
CAD	22	8	176	$ 39.00	$ 6,864.00
CAD	11	18	198	$ 39.00	$ 7,722.00
Included in PM hours					
Included in PM hours					
Included in PM hours					
Included in PM hours					
Included in PM hours					
Included in PM hours					
Engineer	1	18	18	$ 53.00	$ 954.00
Engineer	1	4	4	$ 53.00	$ 212.00
Engineer	1	12	12	$ 53.00	$ 636.00
Engineer	1	18	18	$ 53.00	$ 954.00
Engineer	1	18	18	$ 53.00	$ 954.00
Engineer	1	4	4	$ 53.00	$ 212.00
Engineer	1	6	6	$ 53.00	$ 318.00
Engineer	1	1	1	$ 53.00	$ 53.00
Engineer	1	4	4	$ 53.00	$ 212.00
Engineer	1	28	28	$ 53.00	$ 1,484.00
Engineer	1	4	4	$ 53.00	$ 212.00
Included in QA hours					
Engineer	1	24	24	$ 53.00	$ 1,272.00
Engineer	1	6	6	$ 53.00	$ 318.00
			1,285		$ 52,173.00

Hrs - Engineer	153
Hrs - CAD	1,132
	1,285

HAHN INTEGRATED SYSTEMS, INC.

Greater Orlando Aviation Authority

Planning, Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Revised 11/06/2023

Project Type:	E - Electrical (Continuing)
Project Title (please use CAPS):	**AIRSIDE 4 PA SYSTEM UPGRADE**
New Startup or Revised?	New
Airport:	Orlando International Airport
Project Location:	Airside 4
Project Manager:	Tuan Nguyen

Greater Orlando Aviation Authority

Planning, Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Contractor (name of firm):	Quality Cable Contractors, Inc
Contract Type:	Design / Bid / Award - Traditional
Work Period:	Day & Night
Project Priority:	High
Life Expectancy (in Years):	**15**
Project Scope:	Innovative Electronic Designs (IED) is the single source manufacturer of the public address system (PA systems) components at the north complex at the Orlando International Airport. IED has given the Authority written notice that they can no longer supply maintenance parts for the current system installed at the north complex. IED has recommended that the Authority convert all PA system components to new IP address components that can be maintained. This project will be to design and install a new PA system for the airside 4 portion of the north terminal complex.
Program:	Facilities Improvement Projects
Sub-Program:	Facilities Improvement Projects - Maintenance
Sub-Sub-Program:	*Other FIP Projects by Maintenance (FIP)

Schedule (enter dates): *(type n/a if not applicable)*		
	06/28/22	C.C. Approval of A/E Negotiated Fee
	06/28/22	Contract Execution & Design NTP
	11/04/22	Receive approval to bid
	11/06/22	Advertise for bids
	08/24/22	Pre-bid meeting
	09/14/22	Bid opening
	11/21/23	Receive approval to award from CC
	12/13/23	Receive approval to award from Board (If > $250k)
	12/20/23	Complete contract execution
	12/20/23	Issue Construction NTP (effective date)
Enter Duration to Subst:	**120**	
Enter Duration to Final:	**45**	
	04/17/24	***Substantial Completion (calendar days from NTP)***
	06/01/24	***Final Completion (calendar days from Subst.)***

A/E (name of firm):	C&S Engineers, Inc.
A/E Contact:	William O'Connor
OAR (name of firm):	TBD
OAR Contact:	TBD

Budget Item:	**Current Budget**		**New Request**	**Total Budget**
A/E Fees – Design	$ 116,900.00			$ 116,900.00
A/E Fees – Construction	$ 85,000.00			$ 85,000.00
Construction	$ 3,000,000.00		$ 700,000.00	$ 3,700,000.00
OAR Fees – Design	$ -		$ -	$ -
OAR Fees – Construction	$ 220,000.00		$ -	$ 220,000.00
*Miscellaneous	$ 20,000.00		$ 20,000.00	$ 40,000.00
Contingency	$ 58,100.00		$ 100,000.00	$ 158,100.00
TOTAL	$ 3,500,000.00		$ 820,000.00	$ 4,320,000.00

***Miscellaneous Comments:**

Greater Orlando Aviation Authority

Planning, Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Funding Dept (Sponsor):	Maintenance
Funding Source:	GARBS (General Account Revenue Bonds)
	-
	-
	-
	-
Funding Detail or Code:	**2019 GARBs**
Permits Required:	No
Permit Types (List):	N/A
Anticipate Dispute Resolution Board (DRB)?	No
Airport Security Program Approval Required? *(TSA - 45 days in advance)*	No
GOAA Systems/Areas Affected:	Electronics (Inc., PA, Parking Revenue)
	-
	-
	-
	-
	-

Major Trades: *For BP Projects Only (type "x" next to trade names)*

	100 General Building		***200 Site / Civil***
	Airfield Operations		Airfield Construction
	Electrical (BHS)		Airport Lighting and Equipment
	Electrical (Interior & Exterior)		Airport Runway Cleaning Services
X	Electroncis (Inc., PA, Parking Revenue)		Asphalt Pavement
	Enviro-Hazardous Matls / UST		Bridges
	Finishes		Box Culverts
	GSE (Inc. PC Air, 400 Hz)		Clearing and Grubbing
	HVAC (Incl. BAS)		Concrete & Corrugated Metal Pipes
	Hyatt Hotel		Concrete Pavement
	Irrigation		Earthwork and grading
	Landscaping		Equipment Rental
	Life Safety (Incl. Fire Alarm, Sprinklers)		Landscaping and Irrigation Systems
	NONE		Painting and Striping
	Pavement (Incl. Drainage, Markings)		Retaining Walls
	Plumbing		Roadway Construction
	Roofing & Glazing		Underground Storage Tanks
	Security (Incl. Access Contrl & AOA Fences)		Utilities
	Signage		Waste Removal
	Tenant Space		
	Vertical Circulation (Elev, Esc, APM)		

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Prepared by Don Corthell, PSA)

Date: **November 21, 2023**

Re: **Request for Approval of a Job Order Construction Services Addendum to the Continuing Electrical Construction Services Agreement with Power Engineering Group, Inc for E-00287 Parking Garage EV Charging Stations, Orlando International Airport**

The scope of this project is to provide and install 67 single cord 32 AMP Level 2 EV Chargers, 35 Charging Station Pedestals, and associated fittings in the parking garages and connect to existing infrastructure.

The duration of the project is 90 calendar days for Substantial Completion and 30 calendar days for Final Completion with a contemplated Notice to Proceed (NTP) date of November 28, 2023. Liquidated damages are defined as $0.00 per calendar day for late Substantial Completion and $0.00 per calendar day for late Final Completion.

This continuing contractor was selected for this project based on (☑ all that apply):

☒ Experience	☒ Available Personnel	☒ Current Workload
☒ Expertise	☐ Equitable Distribution	☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previously approved Capital Expenditure Funds. Funding source verified by Melvin Martinez of Construction Finance on 11/16/23 as correct and available.

It is respectfully requested that the Construction Committee approve a Job Order Construction Services Addendum to the Continuing Electrical Construction Services Agreement with above-referenced continuing contractor in the total direct-negotiated amount of $ 206,302.15, which includes a Lump Sum amount of $206,302.15, without allowance(s), and with the requirement for Performance and Payment Bonds in the amount of $4,045.00.

The invoicing method for this Job Order Contract will be:

☒Lump Sum (w/o Allowances)

Payment Method: Payment on Allowances will be authorized only after an Allowance has been converted to an approved Change Order (or Field Change Order).

CC
ITEM IV-D
11/21/2023

CONSTRUCTION AWARD	
L/S	**$206,302.15**
ALLOWANCE (NTE)	**0.00**
TOTAL	**206,302.15**
AAC – Compliance Review Date	11/15/2023 ZTG
AAC – Funding Eligibility Review Date	11/15/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of a Job Order Construction Services Addendum to the Continuing Electrical Construction Services Agreement with Power Engineering Group, Inc. for E-00287 Parking Garage EV Charging Stations, Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the limited scope of the required services, Power Engineering Group, Inc. did not propose small business participation on this job order construction services addendum.

Our analysis indicates that Power Engineering Group, Inc. is eligible for award of the subject job order construction services addendum.

SECTION 01 10 00 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and Agreement/Provisions of Contract, including Contractual Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 PROJECT DESCRIPTION

A. Project/Work Identification:

B. The General overall description of the Work of the Contract for the:

Parking Garage EV Charging Stations
Orlando International Airport
Orlando, Florida

can be summarized for purposes of administration and payment in the manner of project segments as follows:

The Project consists of providing and installing 67 single cord 32 AMP Level 2 EV Chargers,35 Charging Station Pedestals, and associated fittings in the parking garages and connect to existing infrastructure.

C. The specific scope included in this ~~bid package~~ direct negotiated Job Order is defined in the scope documents prepared by the OAR via walks and other communication.

1.3 CONTRACTOR USE OF PREMISES

A. Limit use of the premises to construction activities within areas indicated; allow for any Owner and tenant occupancy and use by the public on the airport roadways.
   1. Minimize any disruption to all operating areas, including roadway and parking areas.
      a. Existing public services and utility systems shall remain in operation during the construction period, excluding times required for installation of new work unless specifically allowed by the Contract.
      b. Schedule and coordinate outages and interruptions of public service with the OAR. See the specific forms for processes and time constraints. Utilize the following forms list below and in the "Construction Forms" Section:
         1) Form #018 System Interruption/Utility Outage Notification.
         2) Form #018a System Interruption/Utility Outage Notification Procedured.
         3) Form #018b Roofing Impact Notification
         4) Form #018c Security System Interruption/Outage Request

2. ~~Provide all temporary directional signage, safety, and barricading required for passenger services in Terminal C.~~
   a. ~~Submit a plan indicating signage, safety, and barricading for access routes, storage areas and work sites, at the pre-construction meeting.~~
3. ~~Directional signing at the access gate and or along the delivery route to the storage area or work site shall be as directed by the OAR~~.
4. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.
5. Access to site shall be ~~shown on the plans or~~ as directed by the OAR. Do not permit any unauthorized construction personnel or traffic on the site. Provide for traffic control to and from the various construction areas. Immediately clean-up any debris deposited along the access road as a result of construction traffic.
   a. Keep driveways and entrances serving the premises clear and available to the Owner, Tenant, their employees at all times, and the public. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.
6. All material orders for delivery to the site will use as a delivery address the access point at the Contractor's storage site.
   a. Coordinate with the OAR and allow for the least possible disruption of the facility's normal operations for delivery of materials and removal of demolished and discarded materials.
   b. Delivery of materials and removal of demolished and discarded materials shall be scheduled as follows:
      1) ~~Schedule and coordinate all deliveries and removal of debris at the NTS between the hours of 10:00 PM and 6:00 AM each day of the work week or as coordinated with the OAR.~~
      2) ~~Schedule all other deliveries and removal of debris as directed by the OAR.~~
      3) Work may be completed during normal business hours
7. The limits of construction material storage areas, equipment storage areas, and parking areas shall be as indicated in the approved site utilization plan or as directed by the OAR. Erect and maintain suitable fencing, marking and warning devices suitable for both day~~/night~~ use to delineate the perimeter of all such areas. ~~Refer to specification Section 01 55 30.01 Requirements for Use of South Canal Road.~~
   a. Parking management cards may be used to provide contractor parking in the terminal garages and terminal top parking for the NTS work only. These cards will cost $60 per card per month, taxes not included.
8. Coordinate construction activities with those of the APM/ITF contractor.

1.4 OWNER OCCUPANCY

A. Full Owner Occupancy: The Owner, its tenants, and the public will occupy the site and existing building and adjacent facilities (outside the limits of the construction area unless specified) during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts, facilitate occupancy

usage, and protect persons and property in the project area during the entire construction period. Perform the Work so as not to interfere with the Owner's operations.

1. All work may be carried out without time restrictions, unless otherwise directed by the Owner except for below:

1.5 LAWS, PERMITS, AND REGULATIONS

A. Comply with all applicable laws, ordinances, regulations, codes, ADA requirements.

B. Obtain and pay for all license and permits, all fees and charges for connection to outside services and parking for Contractor's vehicles.

C. Abide by FAA and Owner’s safety and security regulations and procedures relative to access to, and work in, Airport Operations Areas and secured facilities.

D. Comply with Owner’s insurance requirements.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

Power Engineering Group, Inc.
6635 Narcoossee Road
Orlando, FL 32822

Phone: (407) 277-3150
Fax: (407) 277-0871

Revised Proposal

POWER ENGINEERING GROUP, INC.
PEG
ELECTRICAL CONTRACTORS

PROPOSAL

Proposal #
Bid Date: 11/14/2023
Proposal Date: 11/14/2023

Customer:	Project Name:
Don Corthell (407)492-6319	GOAA Parking Garage C Level 3 & 5 EV Charging Stations Installation

Proposal Good Through	Payment Terms	Estimator
30 Days	Per Contract	Javed Mirza

	Amount
PEG is pleased to furnish a proposal for GOAA Parking Garage C Level 3 & 5 EV Charging Stations Installation.	
********** WORK INCLUDED IN OUR SCOPE **********	
Furnish labor and material to install 32 dual and 3 single EV chargers per attached BOM in GexPro quotation.	
1. Furnish and install 67 single EV chargers' model # ENPH HCS-40R-C17-L25-170A 32A 240V. 2. Furnish and install 35 HPC pedestals for EV chargers. 3. Furnish and install 32 ENPH HCS dual mount kit.	**TOTAL: $206,302.15**
NonQuoted Material: $4,689.44 Quoted Material: $89,095.99 Taxes: $7,033.91 **Total Material: $100,819.34**	
Labor: $62,528.00 Supervision: $12,528.44 **Total Labor & Material: $175,875.78**	
OH & PR: $26,381.37 Bond: $4,045.00	
********** WORK NOT INCLUDED IN OUR SCOPE **********	
1. Cutting, patching, coring, painting or concrete, asphalt, or any other structure. 2. Utility fees or charges. 3. Preparation of computerized drawings (i.e., as built, BIM, coordinating, etc.) 4. Surveying and/or Engineering. 5. Second (2nd) or third (3rd) shift work. 6. Seeding, sodding, or mulching. 7. MOT is not provided.	

Note: Due to extremely frequent fluctuation in pricing and availability of materials in the construction industry, PEG guarantees bid pricing and delivery equal to the terms offered through our vendors. This proposal or any contract we execute could be subject to increased amounts imposed upon PEG by its vendors at time of order, provided increases are not due to delay on our part. No provisions have been included in this proposal for design errors and/or omissions unless otherwise noted. This proposal, including all attachments, is to become a binding part of any contractual agreement or purchase order issued to PEG. PEG will not enter into a contract that contains provisions that include both retainage and the requirement of payment and performance bonds. Normal hours of working are 7:00 am to 3:30 pm therefore any variance may incur additional charges. This proposal is effective for 30 days only unless otherwise noted.

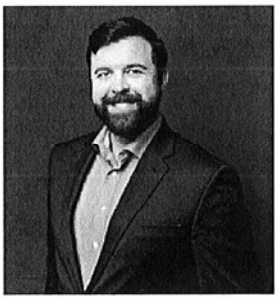
Adeel J. Mirza, President

Item	Quantity	Price	Ext Price
1" Lock Nuts	160	$44.89 / C	$62.85
1" Plastic Bushings	140	$28.26 / C	$39.56
1/2" Washers SS	1 Box	$150 / M	$150
1/2" Nuts SS	1 Box	$180 / Box	$182
1/2" Lock Washers SS	1 Box	$114 / M	$114
1/2" Bolts SS	1 Box	$144 / Box	$144
1/2" x 2" Anchors SS	150	$1,664.29 / 100	$2,496.44
#10 THHN	4,000'	$375.14 / M	$1,500.56
		Total:	$4,689.41

Javed Mirza

From: Bob O'Linn <bob@floridasuretybonds.com>
Sent: Tuesday, November 14, 2023 1:17 PM
To: javed@pegfl.com
Subject: Power Engineering Group $212K Job

Javed,
Thanks for the call about the upcoming project. As discussed, I expect we'll be able to issue this bond upon review of the contract. I have a LOA with a market that would allow me to issue this at 2% rate after favorable review of the contract. Please forward the contract and bond request form when you have a chance.
Best Regards,
Bob



Bob O'Linn Vice President
Florida Surety Bonds, Inc.
p: 407-755-6354
m: 904-962-1517
w: www.floridasuretybonds.com/bob
e: bob@floridasuretybonds.com
a: 620 N Wymore Rd, Ste 200, Maitland FL 32751

Power Engineering Group, Inc.
6635 Narcoossee Road
Orlando, FL 32822

Phone: (407) 277-3150
Fax: (407) 277-0871

POWER ENGINEERING GROUP, INC.
PEG
ELECTRICAL CONTRACTORS

PROPOSAL

Proposal #
Bid Date: 11/07/2023
Proposal Date: 11/07/2023

Customer:	Project Name:
Don Corthell (407)492-6319	GOAA Parking Garage C Level 3 & 5 EV Charging Stations Installation

Proposal Good Through	Payment Terms	Estimator
30 Days	Per Contract	Javed Mirza

	Amount
PEG is pleased to furnish a proposal for GOAA Parking Garage C Level 3 & 5 EV Charging Stations Installation. ********** WORK INCLUDED IN OUR SCOPE ********** Furnish labor and material to install 32 dual and 3 single EV chargers per attached BOM in GexPro quotation. 1. Furnish and install 67 single EV chargers' model # ENPH HCS-40R-C17-L25-170A 32A 240V. 2. Furnish and install 35 HPC pedestals for EV chargers. 3. Furnish and install 32 ENPH HCS dual mount kit. NonQuoted Material: $5,870.00 Quoted Material: $89,095.99 Taxes: $7,122.45 **Total Material: $102,088.44** Labor: $62,640.00 Supervision: $12,528.00 **Total Labor & Material: $177,256.44** OH & PR: $35,451.28 ********** WORK NOT INCLUDED IN OUR SCOPE ********** 1. Cutting, patching, coring, painting or concrete, asphalt, or any other structure. 2. Utility fees or charges. 3. Preparation of computerized drawings (i.e., as built, BIM, coordinating, etc.) 4. Surveying and/or Engineering. 5. Second (2nd) or third (3rd) shift work. 6. Seeding, sodding, or mulching. 7. MOT is not provided. 8. Payment and Performance bond not included.	**TOTAL: $212,707.73**

Note: Due to extremely frequent fluctuation in pricing and availability of materials in the construction industry, PEG guarantees bid pricing and delivery equal to the terms offered through our vendors. This proposal or any contract we execute could be subject to increased amounts imposed upon PEG by its vendors at time of order, provided increases are not due to delay on our part. No provisions have been included in this proposal for design errors and/or omissions unless otherwise noted. This proposal, including all attachments, is to become a binding part of any contractual agreement or purchase order issued to PEG. PEG will not enter into a contract that contains provisions that include both retainage and the requirement of payment and performance bonds. Normal hours of working are 7:00 am to 3:30 pm therefore any variance may incur additional charges. This proposal is effective for 30 days only unless otherwise noted.

Adeel J. Mirza, President

Quotation

QUOTE DATE	QUOTE NUMBER	PAGE NO.
06/30/2023	S136974532	1 of 1
CUST PO#:	Enphase Quote	
JOB/REL#:		

GEXPRO 7695 ODO ORLANDO
7445 SOUTHLAND BLVD
SUITE 601
ORLANDO, FL 32809-6991
407-841-4261
Fax 470-841-4267

QUOTE TO:

POWER ENGINEERING GROUP INC
6635 NARCOOSSEE RD
ORLANDO, FL 32822-5525

SHIP TO:

POWER ENGINEERING GROUP INC
6635 NARCOOSSEE RD
ORLANDO, FL 32822-5525

CUSTOMER NUMBER	CUSTOMER PHONE#	ORDERED BY	OUTSIDE SALESPERSON
650130			Jason Opalka

WRITER	WRITER PHONE#	WRITER EMAIL
Tony Grier	407-850-5443	tony.grier@rexelusa.com

INSIDE SALESPERSON	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Tony Grier	GEX-TRUCK	Net 11th Prox	06/30/2023	No

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
67ea	ENPH HCS-40R-C17-L25-170 32A CHARGING 240VAC 10AWG SERVICE 25FT 10AWG RUGGEDIZED J1772 CONNECTOR Pn: 2206681 UPC:	749.270/EA	50201.09
35ea	^HCS-PEDESTAL PEDESTAL FOR HCS EV CHARGING STATION SINGLE-MOUNT Pn: 888479	929.061/ea	32517.14
32ea	ENPH HCS-DUALMOUNT-KIT DUAL-MOUNT KIT FOR HCS EV CHARGING STATION PEDESTAL Pn: 2178049 UPC: LEAD TIME 4-5 WEEKS AFTER RECEIPT OF ORDER	199.305/EA	6377.76

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. Many of Seller's manufacturing partners have advised that until further notice they reserve the right to amend the delivery date, price, scope and quantity of supply and/or other terms and conditions set out in their offer or quotation and Seller equally reserves the right to pass through any such changes from its manufacturing partners to the Buyer. Delivery dates are estimated only. Seller shall not be liable for failure to meet such dates resulting from product shortages or manufacturing delays. Be advised that Seller considers any changes imposed by its manufacturing partners and other vendors outside of Seller's reasonable control and therefore subject to Force Majeure provisions or similar common law doctrines such as "frustration" or "impossibility".
Seller's 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
Full phone support at (888) 739-3577

Subtotal	89095.99
S&H Charges	0.00
Sales Tax	5420.76
Total	94516.75

Gexpro®

Quotation

QUOTE DATE	QUOTE NUMBER	PAGE NO.
06/30/2023	S136974532	1 of 1
CUST PO#:	Enphase Quote	
JOB/REL#:		

GEXPRO 7695 ODO ORLANDO
7445 SOUTHLAND BLVD
SUITE 601
ORLANDO, FL 32809-6991
407-841-4261
Fax 470-841-4267

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ORLANDO, FL 32822-5525

SHIP TO:

POWER ENGINEERING GROUP INC
6635 NARCOOSSEE RD
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650130			Jason Opalka

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Full phone support at (888) 739-3577

Subtotal	89095.99
S&H Charges	0.00
Sales Tax	5420.76
Total	94516.75

Printed By: TGRIER on 11/7/2023 12:38:31 PM EST

OAR Summary of Probable Construction Costs
E-XXXX Parking Garage EV Charging Stations
11.5.23

				Materials		Labor			
Item No.	**EV Charging Stations**	**Qty**	**Units**	**Unit Cost**	**Material Cost**	**Man hours**	**Unit Cost**	**Labor Cost**	**Subtotals**
1	32 AMP Single Cord Charging Stations	67	EA	$ 780.00	$ 52,260.00	240	$ 43.00	$ 10,320.00	$ 62,580.00
2	EV Charging Station Mounts/Pedastals	35	EA	$ 659.00	$ 23,065.00	35	$ 43.00	$ 1,505.00	$ 24,570.00
3	Titan Anchors	160	EA	$ 2.50	$ 400.00	35	$ 43.00	$ 1,505.00	$ 1,905.00
4	Misc Supplies, connectors	1	LS	$ 250.00	$ 250.00	67	$ 43.00	$ 2,881.00	$ 3,131.00
7	Pedastal Kits	67	EA	$ 200.00	$ 13,400.00	40	$ 43.00	$ 1,720.00	$ 15,120.00
8									
9				Materials	$ 89,375.00	417	Labor	$ 17,931.00	
10				7% Tax	$ 6,256.25		Burden	$ 7,531.02	
11				Total Mat.	$ 95,631.25		Labor Total	$ 25,462.02	
12	Badging	0	LS	$ -					$ -
13	Mobilization/set up deliveries of materials	1	EA	$ 750.00					$ 750.00
14								Labor and Material Total	$ 121,843.27
16									
17	**Contractor Support**			**Labor/Misc.**				Contractor Support	$ 58,411.00
18	Working Foreman	240	HRS	$ 43.00	$ 10,320.00				$ 180,254.27
19	Superintendant	120	HRS	$ 50.00	$ 6,000.00			GC Mark-up 15%	$ 27,038.14
20	Close-out tech	0	HRS	$ -	$ -		'ayment and Pefomance Bon		$3,935.10
21	MOT-Adjust barricades as work progresses	8	HRS	$ 35.00	$ 280.00				
22	UON Support/Coordination	1	LS	$ 450.00	$ 450.00			Grand Total	$ 211,227.51
23	Articulating Boom lift x 2	0	MO	$ -	$ -				
24	Phone X 2	1.5	MO	$ 150.00	$ 337.50				
25	Truck x 2	1.5	MO	$ 850.00	$ 1,912.50				
26	Dumpsters/Debris Removal-will use on site exisitng/site clean during operations	0	LS	$ -	$ -				
27	Permit	1	LS	$ 4,500.00	$ 4,500.00				
28				Labor	$ 39,550.00				
29				Burden 42%	$ 16,611.00				
30				Equipment	$ 2,250.00	$ 58,411.00			

Balance as of 1/23/23
$500,000

CAPITAL EXPENDITURE FUND
FISCAL YEAR 2022 - 2023

CAPITAL INITIATION REQUEST FORM

CIR # : CIR00839
Section: S713

Contact Name: Mark Birkebak
Extension: 4058

CIP Number:
Date Submitted: 2/24/2022

Project Title:
Electric Vehicle Charging Stations

I. Project Scope

Replace existing OUC Electric Vehicle (EV) charging stations in Garage(s) A & B, with new GOAA EV charging stations. Add an additional 5 new EV charging units where marked spaces don't have one. Provide new units in Garage C at spaces provided under Terminal C parking garage expansion. All wiring is in place.

II. Funding Requirements:

	Estimated Proj. Cost	Approved to Date	Current Request	Current & Appr Total
A&E Consultant Fees	-	-	-	-
Construction Contracts	450,000	-	450,000	450,000
OAR Fees	50,000	-	50,000	50,000
Miscellaneous	-	-	-	-
Contingency.	-	-	-	-
General Consultant	-	-	-	-
Legal Fees	-	-	-	-
Engineering Consultant	-	-	-	-
Other Professional Services	-	-	-	-
Environmental Consultant	-	-	-	-
Engineering Development Consultant	-	-	-	-
Transportation Consultant	-	-	-	-
Outside Services	-	-	-	-
Rentals & Leases	-	-	-	-
Maintenance Contracts	-	-	-	-
Other Repairs & Maintenance	-	-	-	-
Other Promotional Activities	-	-	-	-
Operating Supplies	-	-	-	-
Operating FF&E	-	-	-	-
Land & Permanent Easements	-	-	-	-
Buildings & Structures	-	-	-	-
Boilers & Machinery	-	-	-	-
Improvement other than Buildings & Structures	-	-	-	-
Furniture, Fixtures, & Equipment	-	-	-	-
Software & Software Upgrades	-	-	-	-
Computer Equipment & Media	-	-	-	-
Artwork	-	-	-	-
Vehicles	-	-	-	-
Motorized Equipment	-	-	-	-
Small CIP	-	-	-	-
Total	500,000	0	500,000	500,000

III. Project Justification (Priority):

Priority: Important
Category: Mech./Elect

Dept Ranking: **1**

Goals, Objectives and Strategies Selected
G1. Customer Services; O2. Baseline Service Expectations; S5. Employee Benchmark Comparisons with other Airports (O&M)

Mandated	**Statute or Contract Number**
Federal Statute	
State Statute	
Local Statute	
Contractual	
Safety/Security	

Maintenance	**Purch Date/Life Expectancy**
Life Cycle	X
Preventative/Upgrade	
Refurbishment	
Obsolescence	

Is Item Technology Related? No

Date Submitted to ITGC **Approved?**

IV. Schedule: Required to Populate Funding

Oct	Nov	Dec	Jan
-	$500,000	-	-
Feb	**Mar**	**Apr**	**May**
-	-	-	-
Jun	**Jul**	**Aug**	**Sep**
-	-	-	-

VIII. Project Funding

308-713-611-5660003-000-501620	Construction Contracts	$500,000
	Total	$500,000

Greater Orlando Aviation Authority

Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Revised 1/18/2023

PROJECT DETAILS - PROJECT WORKFLOW SETUP TAB	
New Startup or Revised?	New
Workflow Type:	Standard Project
Project Type:	E - Electrical (Continuing)
PROJECT DETAILS - PROJECT TAB	
Architect/Engineer:	NA

Greater Orlando Aviation Authority

Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Contractor (if known):	Power Engineering Group, Inc.
Airport:	Orlando International Airport
Project Title:	**Parking Garage EV Charging Stations**
Project Location:	Parking Garages A, B and C
Work Period:	Day & Night
Life Expectancy (in Years):	20
Contract Type:	Direct Negotiated - Traditional
Construction Range Value:	Less than $500K
Primary Classification:	Vertical
Secondary Classification:	Utility/Infrastructure
Project Priority:	High
Requested By:	
Project Scope:	Provide Level 2 EV Chargers in locations where pre-existing infrastructure is already provided, primarily in the Terminal C Parking garage..

PROJECT DETAILS - COST TAB

Program:	Facilities Improvement Projects
Sub-Program:	Facilities Improvement Projects - Maintenance
Sub-Sub-Program:	
Control Budget:	*$500,000.00*
Funding Source(s):	CapEx (Capital Expenditure Fund)
	-
	-
	-
	-
Funding Detail or Code:	

PROJECT DETAILS - SCHEDULE TAB

Schedule (enter dates): *(type n/a if not applicable)*		
	NA	C.C. Approval of A/E Negotiated Fee
	NA	Contract Execution & Design NTP
	NA	Receive approval to bid
	NA	Advertise for bids
	NA	Pre-bid meeting
	NA	Bid opening
	11/21/23	Receive approval to award from CC
	NA	Receive approval to award from Board (If > $250k)
	11/26/23	Complete contract execution
	11/28/23	Issue Construction NTP (effective date)
Enter Duration to Subst:	**90**	
Enter Duration to Final:	**30**	
	02/25/24	***Substantial Completion (calendar days from NTP)***
	03/26/24	***Final Completion (calendar days from Subst.)***

PROJECT DETAILS - CONTACTS TAB

GOAA Engineering Contact:	Tuan Nguyen
GOAA Construction Contact:	Torie Brooks
GOAA Program Contact:	Scott Shedek

Greater Orlando Aviation Authority

Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Funding Dept (Sponsor):	Planning & Development (Includes Environmental)
OAR (name of firm):	PSA Management, Inc.
OAR Contact:	Don Corthell

PROJECT COST TAB

Budget Item:	**Current Budget**		**New Request**	**Total Budget**
A/E Fees – Design	$ -		$ -	$ -
A/E Fees – Construction	$ -		$ -	$ -
Construction	$ 220,000.00		$ -	$ 220,000.00
OAR Fees – Design	$ -		$ -	$ -
OAR Fees – Construction	$ 20,000.00		$ -	$ 20,000.00
*Miscellaneous	$ -		$ -	$ -
Contingency	$ 260,000.00		$ -	$ 260,000.00
TOTAL	$ 500,000.00		$ -	$ 500,000.00

***Miscellaneous Comments:**	**Direct negotiated with Contuing Electrical Contractor. Provide and install sixty-seven (67) Level 2 chargers and associated mounting pedastals in the Terminal C Parking Garage as well as designated locaitons in the A&B Garages**

ENGINEERING BI-WEEKLY UPDATE TAB

Permits Required:	Yes
Permit Types (List):	Electrical
Anticipate Dispute Resolution Board (DRB)?	No
Airport Security Program Approval Required? *(TSA - 45 days in advance)*	No
GOAA Systems/Areas Affected:	Electrical (Interior & Exterior)
	-
	-
	-
	-
	-

Major Trades: *For BP Projects Only (type "x" next to trade names)*

	100 General Building		***200 Site / Civil***
	Airfield Operations		Airfield Construction
	Electrical (BHS)		Airport Lighting and Equipment
	Electrical (Interior & Exterior)		Airport Runway Cleaning Services
	Electroncis (Inc., PA, Parking Revenue)		Asphalt Pavement
	Enviro-Hazardous Matls / UST		Bridges
	Finishes		Box Culverts
	GSE (Inc. PC Air, 400 Hz)		Clearing and Grubbing
	HVAC (Incl. BAS)		Concrete & Corrugated Metal Pipes
	Hyatt Hotel		Concrete Pavement
	Irrigation		Earthwork and grading
	Landscaping		Equipment Rental
	Life Safety (Incl. Fire Alarm, Sprinklers)		Landscaping and Irrigation Systems
	NONE		Painting and Striping
	Pavement (Incl. Drainage, Markings)		Retaining Walls
	Plumbing		Roadway Construction
	Roofing & Glazing		Underground Storage Tanks
	Security (Incl. Access Contrl & AOA Fences)		Utilities
	Signage		Waste Removal
	Tenant Space		
	Vertical Circulation (Elev, Esc, APM)		

Greater Orlando Aviation Authority

Engineering, & Construction

REQUEST FOR STARTUP PACKAGE

Contractor (if known):	Power Engineering Group, Inc.
Airport:	Orlando International Airport
Project Title:	**Parking Garage EV Charging Stations**
Project Location:	Parking Garages A, B and C
Work Period:	Day & Night
Life Expectancy (in Years):	20
Contract Type:	Direct Negotiated - Traditional
Construction Range Value:	Less than $500K
Primary Classification:	Vertical
Secondary Classification:	Utility/Infrastructure
Project Priority:	High
Requested By:	
Project Scope:	Provide Level 2 EV Chargers in locations where pre-existing infrastructure is already provided, primarily in the Terminal C Parking garage..

PROJECT DETAILS - COST TAB

Program:	Facilities Improvement Projects
Sub-Program:	Facilities Improvement Projects - Maintenance
Sub-Sub-Program:	
Control Budget:	*$500,000.00*
Funding Source(s):	CapEx (Capital Expenditure Fund)
	-
	-
	-
	-
Funding Detail or Code:	

PROJECT DETAILS - SCHEDULE TAB

Schedule (enter dates): *(type n/a if not applicable)*		
	NA	C.C. Approval of A/E Negotiated Fee
	NA	Contract Execution & Design NTP
	NA	Receive approval to bid
	NA	Advertise for bids
	NA	Pre-bid meeting
	NA	Bid opening
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Enter Duration to Subst:	**90**	
Enter Duration to Final:	**30**	
	02/25/24	***Substantial Completion (calendar days from NTP)***
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PROJECT DETAILS - CONTACTS TAB

GOAA Engineering Contact:	Tuan Nguyen
GOAA Construction Contact:	Torie Brooks
GOAA Program Contact:	Scott Shedek

ORLANDO INTERNATIONAL AIRPORT

The Orlando Experience®

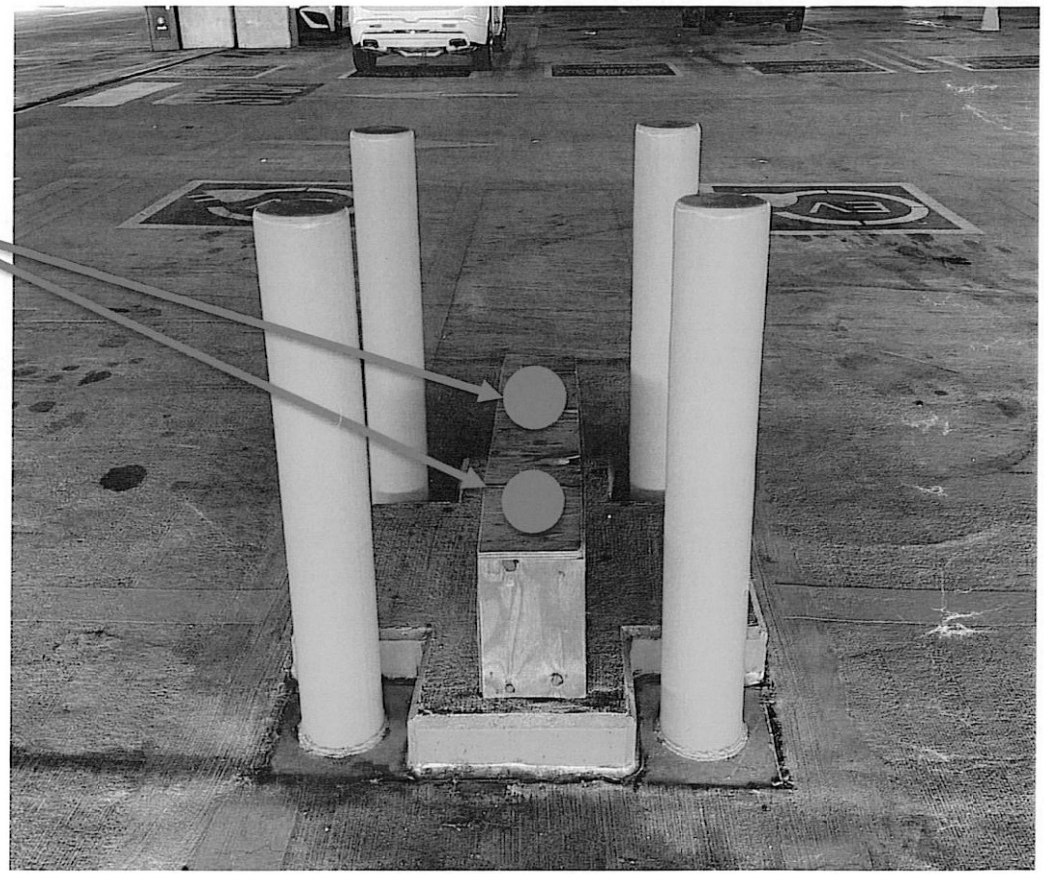
GOAA Electric Vehicle Charging

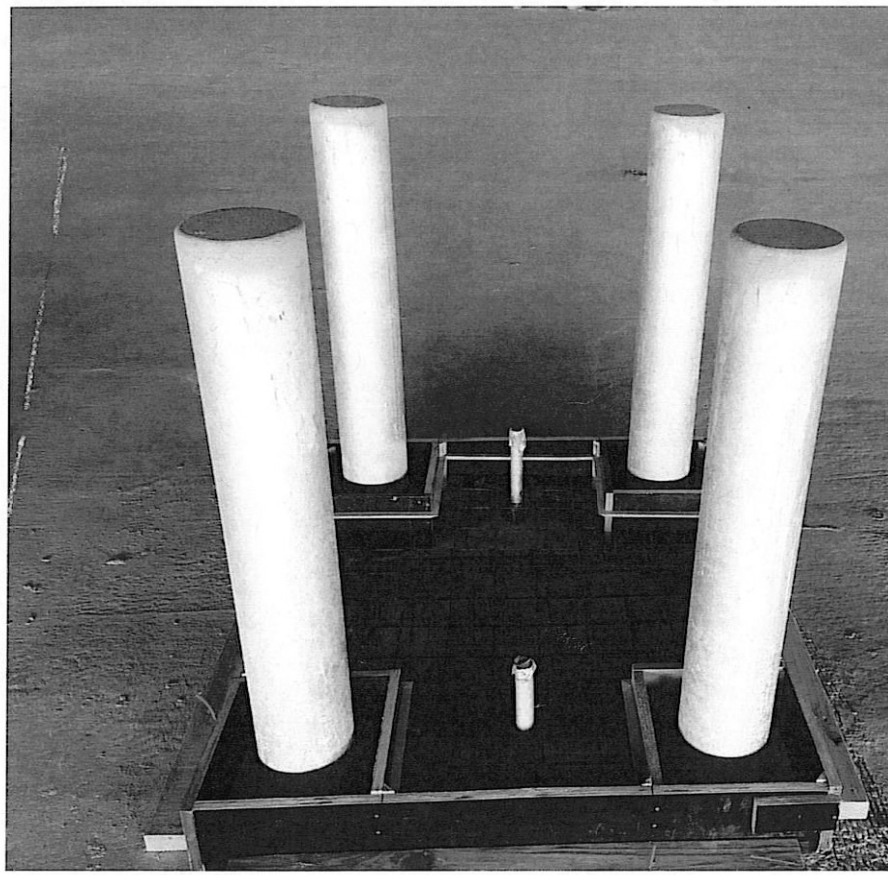
South Terminal C Garage

North Terminal Complex A & B Garages

h Terminal C Garage EV Mounting Pads
ls 3 & 5

ber





Standard EV Concrete Pad.
2 Electrical Feeds

Standard EV Pre-Concrete Pad.
2 Electrical Feeds

CA Prop 65 Warning

PayPal CREDIT
No Interest if paid in full in 6 months
on purchases of $99+
US customers only. See terms

Related Products

HCS-40, 32 Amp, Level 2 EVSE, 240V, Hardwired, with 25 ft cable, ETL Listed, ENERGY STAR Certified

HCS-40 32 Amp Level 2 EVSE, 240V, Hardwired ClipperCreek's most popular electric vehicle charging

~~$622.00~~ $768

Share2 Enabled HCS-40 EVSE Bundle, 32 Amp Level 2, 240V, with 25 ft cable

The Share2 enabled HCS-40 bundle is a great option for charging locations that serve more than one e

$1,648.00

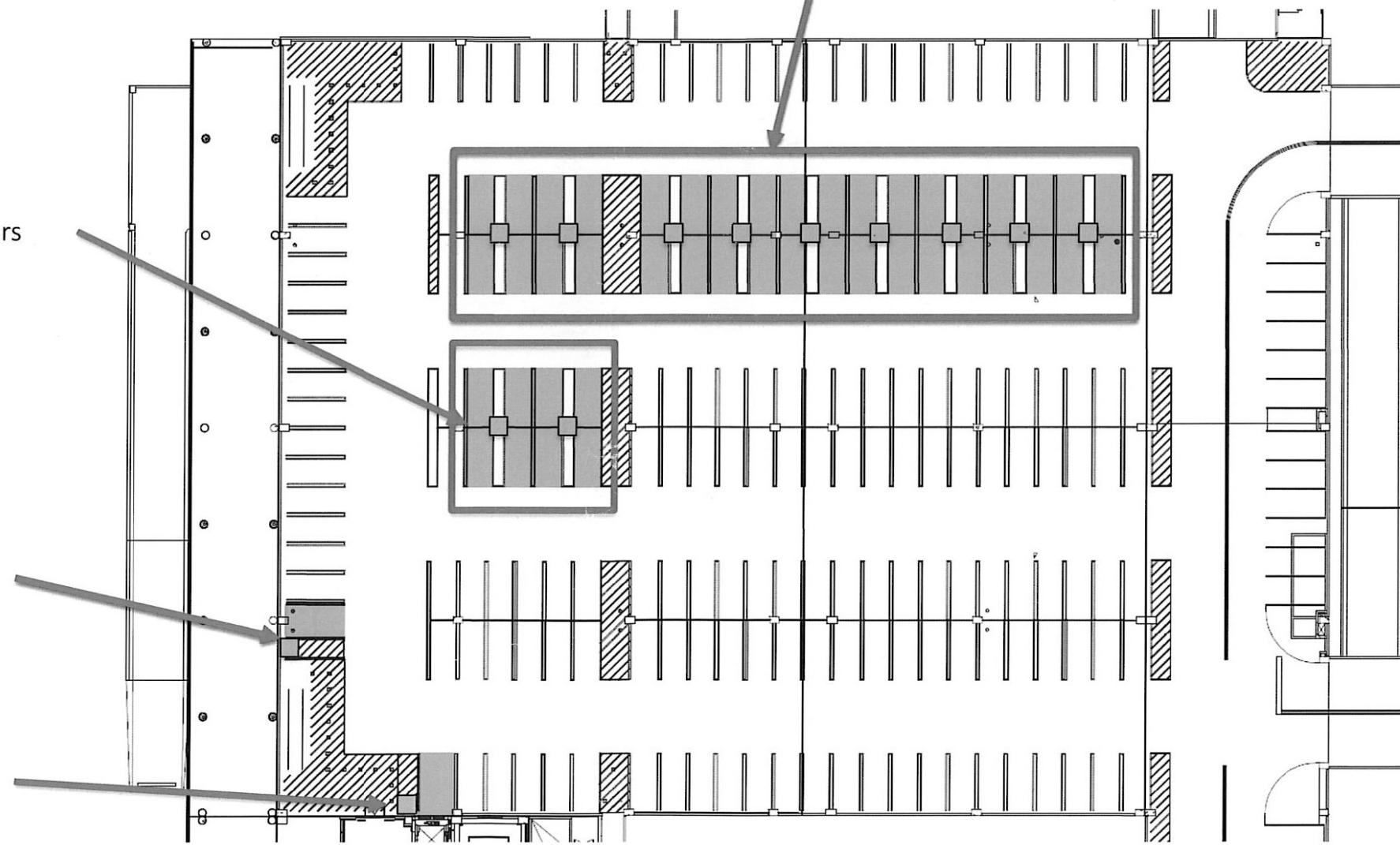
h Terminal C Garage EV
ing Level 3 – Detail Plan

ring and
eakers Installed
all locations

ectric Vehicle Spaces
w Double Cord Chargers
destals

Electric Vehicle Space
w Single Cord Charger
destal

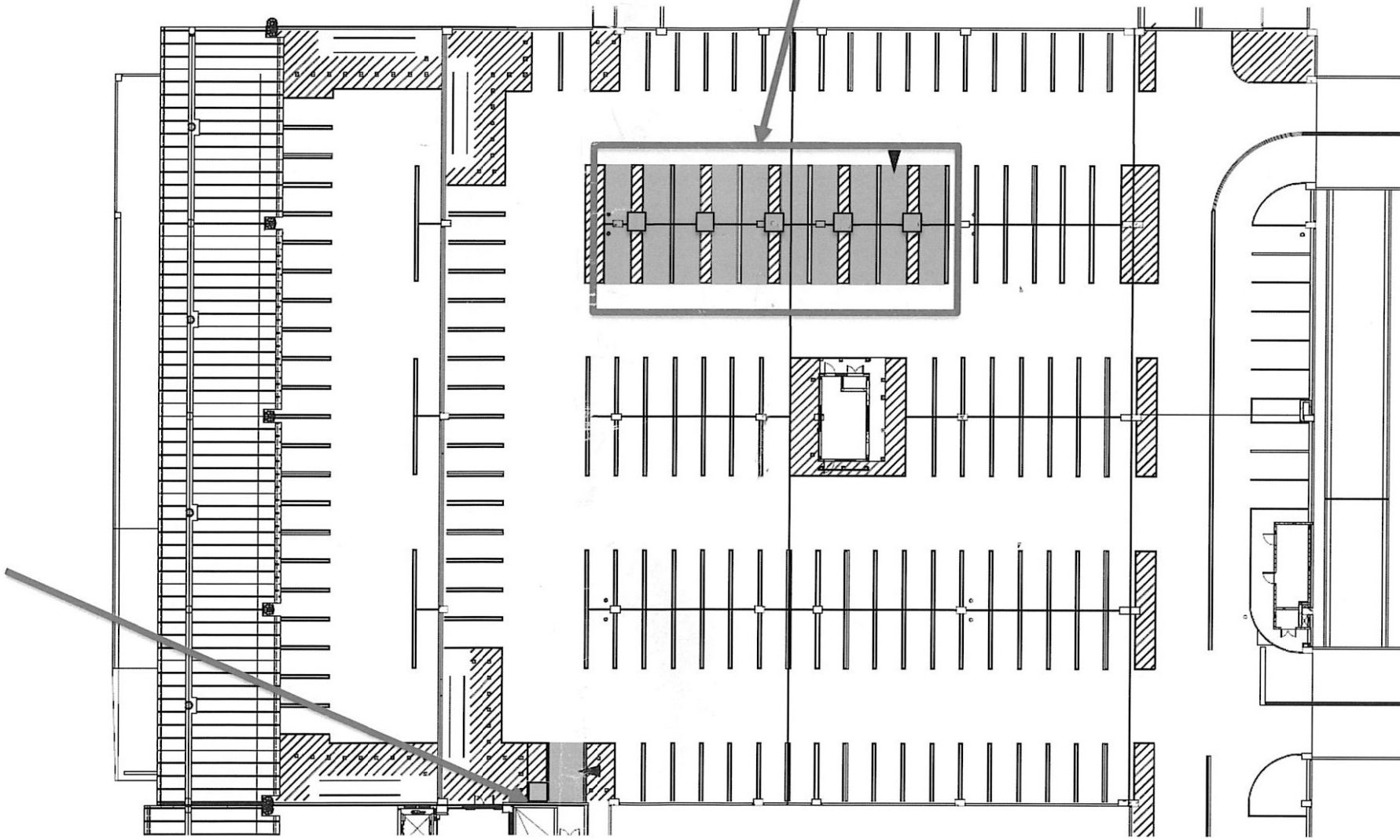
Electric Vehicle Space
w Single Cord Charger
destal



n Terminal C Garage EV
ng Level 5 – Detail Plan

ing and
akers Installed
ll locations

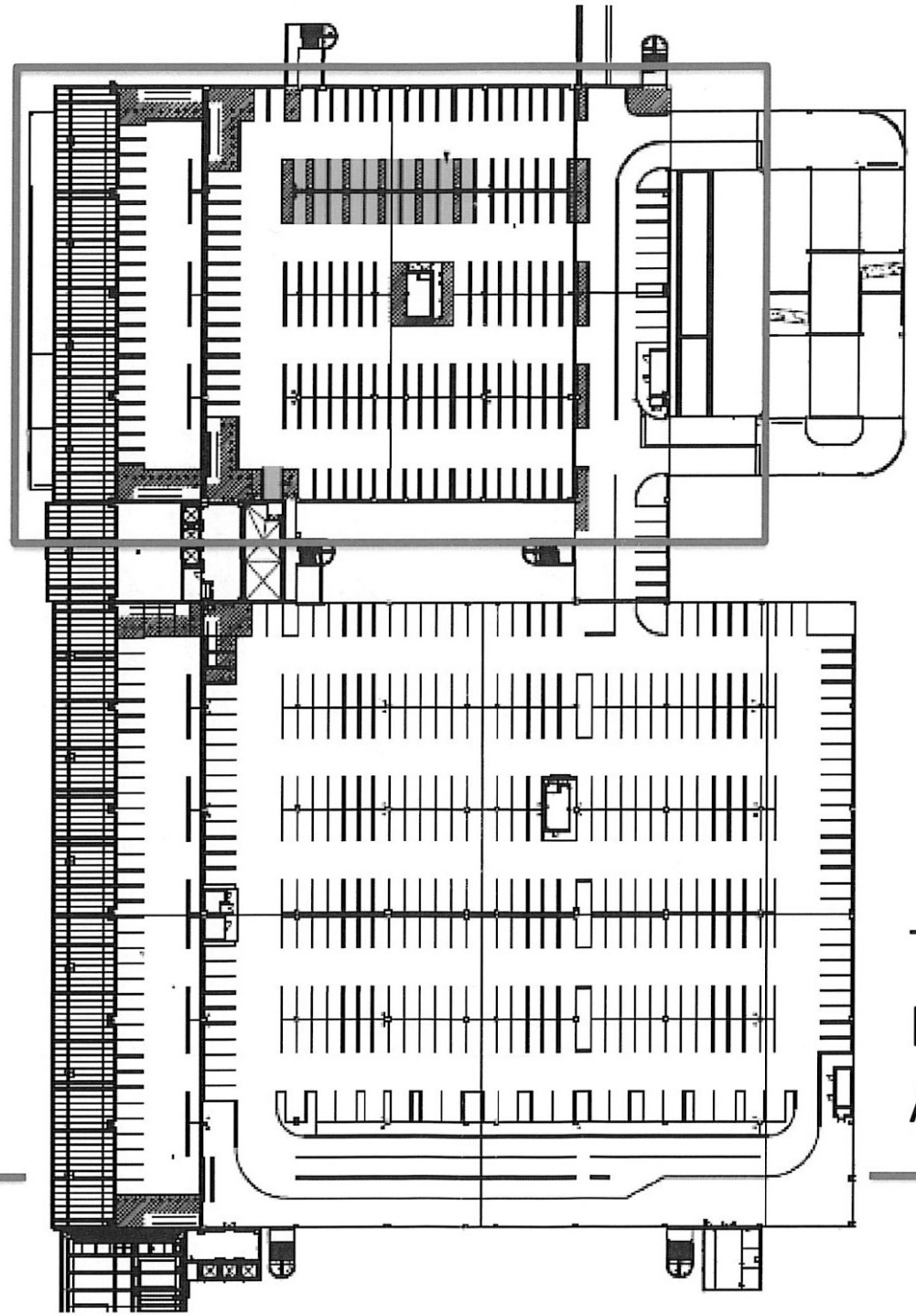
20 Electric Vehicle Spaces
10 New Double Cord Chargers
10 Pedestals



Electric Vehicle Space
v Single Cord Charger
estal

n Terminal C Garage EV
ng Level 5

See Enlarged Plan

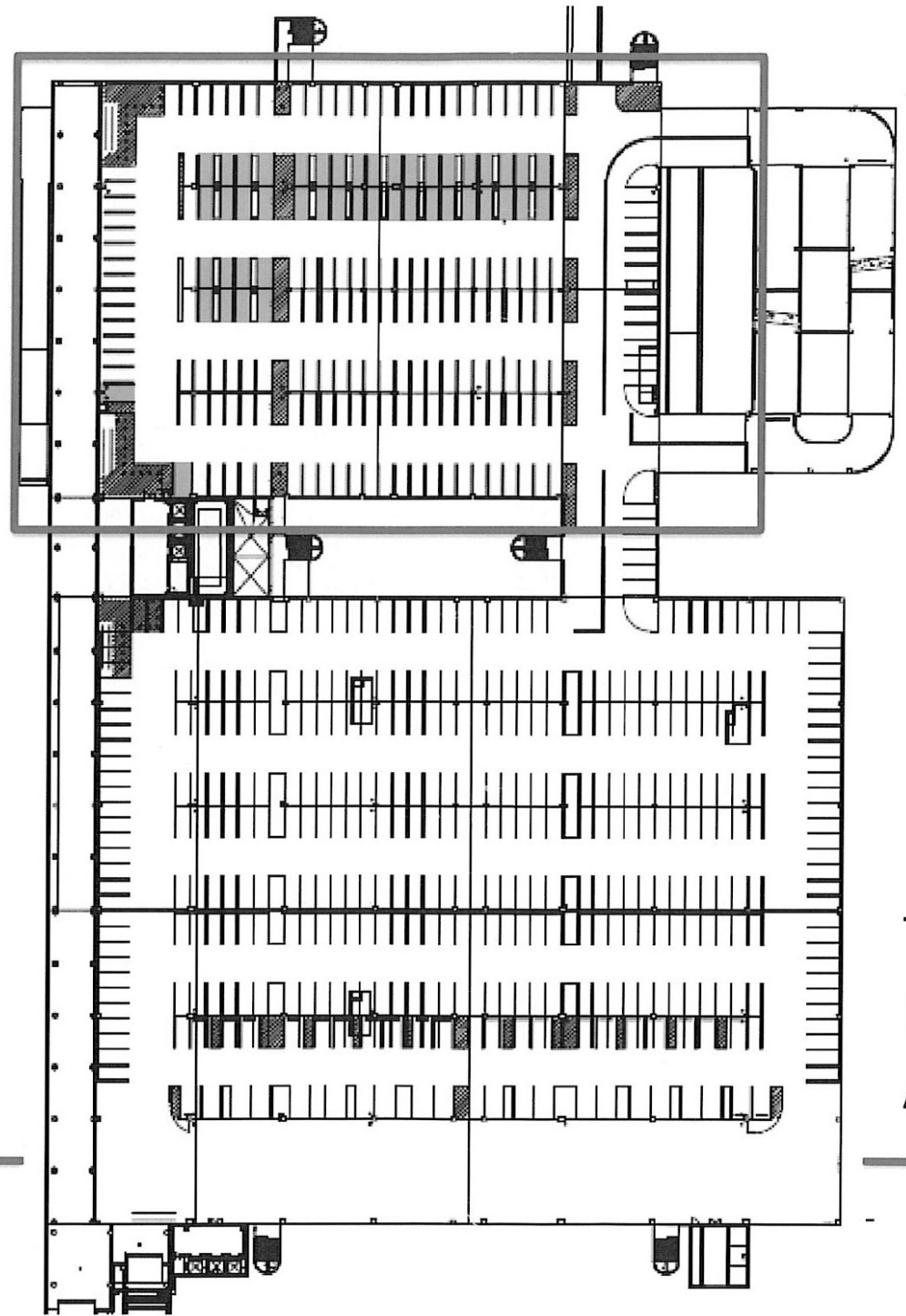


To Terminal C

To ITF/APM And North Terminal Com A & B

n Terminal C Garage EV
ng Level 3

See Enlarged Plan



To Terminal C

To ITF/APM And North Terminal Com A & B

th Terminal C Garage EV
els 3 & 5

EL:	SGEQL3D	SERVICE:	208Y/120V, 3Φ, 4W	AIC RATING:	35,000
M:	XFMR T-SGEQ3D	BUS RATING:	600A	NEMA RATING:	NEMA 1, EATON PRL3a
N:	ELEC RM 03 3511	MAIN TYPE:	600AT MCB	MOUNTING:	SURFACE

ION	CONDUIT & CONDUCTOR SIZE		BREAKER		KVA			KVA			BREAKER		CONDUIT & CONDUCTOR SIZE		LOAD DESCRIPTION	CKT
	CONDUIT	WIRE & GROUND	TRIP	POLE	ΦA	ΦB	ΦC	ΦA	ΦB	ΦC	POLE	TRIP	WIRE & GROUND	CONDUIT		
TATION 3-10A	"1"	2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 3-11A	2
						3.12			3.12							4
TATION 3-10B		2#6, 1#8G	40A	2			3.12			3.12	2	40A	2#6, 1#8G		EV CHARGING STATION 3-11B	6
					3.12			3.12								8
TATION 3-12A	"1"	2#6, 1#8G	40A	2		3.12			3.12		2	40A	2#4, 1#4G	"1-1/4"	EV CHARGING STATION 3-13A	10
							3.12			3.12						12
TATION 3-12B		2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#4, 1#4G		EV CHARGING STATION 3-13B	14
						3.12			3.12							16
TATION 3-14A	"1-1/4"	2#4, 1#4G	40A	2			3.12			3.12	2	40A	2#4, 1#4G	"1-1/4"	EV CHARGING STATION 3-15A	18
					3.12			3.12								20
TATION 3-14B		2#4, 1#4G	40A	2		3.12			3.12		2	40A	2#4, 1#4G		EV CHARGING STATION 3-15B	22
							3.12			3.12						24
TATION 3-19A	"1"	2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 3-20A	26
						3.12			3.12							28
TATION 3-19B		2#6, 1#8G	40A	2			3.12			3.12	2	40A	2#6, 1#8G		EV CHARGING STATION 3-20B	30
					3.12			3.12								32
TATION 3-21A	"1"	2#6, 1#8G	40A	2		3.12			3.12		2	40A	2#4, 1#4G	"1-1/4"	EV CHARGING STATION 3-22A	34
							3.12			3.12						36
TATION 3-21B		2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#4, 1#4G		EV CHARGING STATION 3-22B	38
						3.12			3.12							40
TATION 3-23A	"1-1/4"	2#4, 1#4G	40A	2			3.12			3.12	2	40A	2#4, 1#4G	"1-1/4"	EV CHARGING STATION 3-24A	42
					3.12			3.12								44
TATION 3-23B		2#4, 1#4G	40A	2		3.12			3.12		2	40A	2#4, 1#4G		EV CHARGING STATION 3-24B	46
							3.12			3.12						48
	-	-	-	-	-			-			-	-	-	- [5]	SPACE	50
	-	-	-	-		-			-		-	-	-	-	SPACE	52
	-	-	-	-			-			-	-	-	-	-	SPACE	54
											3	600A	MAIN CIRCUIT BREAKER			
					24.96	24.96	24.96	24.96	24.96	24.96						

LOAD	0.00	RECEPT. DEMAND LOAD	0.00
OAD	0.00	125% OF LTG LOAD	0.00
OAD	0.00	25% OF LARGEST MOTOR	0.00
		EQUIPMENT LOAD	149.76

	KVA	AMPS
TOTAL CONNECTED LOAD	149.76	415.70
TOTAL DEMAND LOAD	149.76	415.70

SCHEDULE NOTES:

1. "DENOTES TO COMBINE FEEDERS INTO (1) CONDUIT

2. ADD A POLARIS PRE-INSULATED CONNECECTOR, MODEL #ISR-1/0 TO REDUCE #4 AWG TO #8 AWG FOR CONNECTION TO EV STATIONS FOR ALL CONNECTIONS #4 OR LARGER WIRE SIZE

al Panel Schedules

th Terminal C Garage EV
els 3 & 5

SGEQL5A	SERVICE:	208Y/120V, 3Φ, 4W	AIC RATING: 35,000
XFMR T-SGEQ5A	BUS RATING:	600A	NEMA RATING: NEMA 1, EATON PRL3a
ELEC RM 05 5511	MAIN TYPE:	600AT MCB	MOUNTING: SURFACE

N	CONDUIT & CONDUCTOR SIZE		BREAKER		KVA			KVA			BREAKER		CONDUIT & CONDUCTOR SIZE		LOAD DESCRIPTION	CKT
	CONDUIT	WIRE & GROUND	TRIP	POLE	ΦA	ΦB	ΦC	ΦA	ΦB	ΦC	POLE	TRIP	WIRE & GROUND	CONDUIT		
TION 5-1	3/4"	2#8, 1#10G	40A	2	3.12			0.00			2	40A	-	-	SPARE	2
						3.12			0.00							4
TION 5-2A	"1"	2#6, 1#8G	40A	2			3.12			3.60	2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 5-3A	6
					3.12			3.12								8
TION 5-2B		2#6, 1#8G	40A	2		3.12			3.12		2	40A	2#6, 1#8G		EV CHARGING STATION 5-3B	10
							3.12			3.12						12
TION 5-4A	"1"	2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 5-5A	14
						3.12			3.12							16
TION 5-4B		2#6, 1#8G	40A	2			3.12			3.12	2	40A	2#6, 1#8G		EV CHARGING STATION 5-5B	18
					3.12			3.12								20
TION 5-6A	"1-1/4"	2#4, 1#4G	40A	2		3.12			3.12		2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 5-7A	22
							3.12			3.12						24
TION 5-6B		2#4, 1#4G	40A	2	3.12			3.12			2	40A	2#6, 1#8G		EV CHARGING STATION 5-7B	26
						3.12			3.12							28
TION 5-8A	"1"	2#6, 1#8G	40A	2			3.12			3.12	2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 5-9A	30
					3.12			3.12								32
TION 5-8B		2#6, 1#8G	40A	2		3.12			3.12		2	40A	2#6, 1#8G		EV CHARGING STATION 5-9B	34
							3.12			3.12						36
TION 5-10A	"1-1/4"	2#4, 1#4G	40A	2	3.12			3.12			2	40A	2#4, 1#4G	"1-1/4"	EV CHARGING STATION 5-11A	38
						3.12			3.12							40
TION 5-10B		2#4, 1#4G	40A	2			3.12			3.12	2	40A	2#4, 1#4G		EV CHARGING STATION 5-11B	42
					3.12			3.12								44
	-	-	-	-		-			-		-	-	-	-	SPACE	46
	-	-	-	-			-			-	-	-	-	-	SPACE	48
	-	-	-	-	-			-			-	-	-	-	SPACE	50
	-	-	-	-		-			-		-	-	-	-	SPACE	52
	-	-	-	-			-			-	-	-	-	-	SPACE	54
								-			3	30A	MAIN CIRCUIT BREAKER			
								-								
									-							
					24.96	21.84	21.84	21.84	18.72	22.32						

OAD	0.00	RECEPT. DEMAND LOAD	0.00
D	0.00	125% OF LTG LOAD	0.00
D	0.00	25% OF LARGEST MOTOR	0.00
		EQUIPMENT LOAD	131.52

	KVA	AMPS
TOTAL CONNECTED LOAD	131.52	365.07
TOTAL DEMAND LOAD	131.52	365.07

SCHEDULE NOTES:

1. *DENOTES TO COMBINE FEEDERS INTO (1) CONDUIT
2. ADD A POLARIS PRE-INSULATED CONNECECTOR, MODEL #6R-1/0 TO REDUCE #4 AWG TO #6 AWG FOR CONNECTION TO EV STATIONS FOR ALL CONNECTIONS #4 OR LARGER WIRE SIZE

al Panel Schedules

th Terminal C Garage EV
els 3 & 5

:	SGEQL3C	SERVICE:	208Y/120V, 3Φ, 4W	AIC RATING:	35,000
:	XFMR T-SGEQ3C	BUS RATING:	600A	NEMA RATING:	NEMA 1, EATON PRL3a
:	ELEC RM 03 3511	MAIN TYPE:	600AT MCB	MOUNTING:	SURFACE

ON	CONDUIT & CONDUCTOR SIZE		BREAKER		KVA			KVA			BREAKER		CONDUIT & CONDUCTOR SIZE		LOAD DESCRIPTION	CKT
	CONDUIT	WIRE & GROUND	TRIP	POLE	ΦA	ΦB	ΦC	ΦA	ΦB	ΦC	POLE	TRIP	WIRE & GROUND	CONDUIT		
ATION 3-1	3/4"	2#8, 1#10G	40A	2	3.12			3.12			2	40A	2#8, 1#10G	3/4"	EV CHARGING STATION 3-2	2
						3.12			3.12							4
ATION 3-3A	"1"	2#8, 1#10G	40A	2			3.12			3.12	2	40A	2#8, 1#10G	"1"	EV CHARGING STATION 3-4A	6
					3.12			3.12								8
ATION 3-3B		2#8, 1#10G	40A	2		3.12			3.12		2	40A	2#8, 1#10G		EV CHARGING STATION 3-4B	10
							3.12			3.12						12
ATION 3-5A	"1"	2#8, 1#10G	40A	2	3.12			3.12			2	40A	2#8, 1#10G	"1"	EV CHARGING STATION 3-6A	14
						3.12			3.12							16
ATION 3-5B		2#8, 1#10G	40A	2			3.12			3.12	2	40A	2#8, 1#10G		EV CHARGING STATION 3-6B	18
					3.12			3.12								20
ATION 3-7A	"1"	2#6, 1#8G	40A	2		3.12			3.12		2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 3-8A	22
							3.12			3.12						24
ATION 3-7B		2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#6, 1#8G		EV CHARGING STATION 3-8B	26
						3.12			3.12							28
ATION 3-9A	"1"	2#6, 1#8G	40A	2			3.12			3.12	2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 3-16A	30
					3.12			3.12								32
ATION 3-9B		2#6, 1#8G	40A	2		3.12			3.12		2	40A	2#6, 1#8G		EV CHARGING STATION 3-16B	34
							3.12			3.12						36
ATION 3-17A	"1"	2#6, 1#8G	40A	2	3.12			3.12			2	40A	2#6, 1#8G	"1"	EV CHARGING STATION 3-18A	38
						3.12			3.12							40
ATION 3-17B		2#6, 1#8G	40A	2			3.12			3.12	2	40A	2#6, 1#8G		EV CHARGING STATION 3-18B	42
					3.12			3.12								44
	-	-	-	-		-			-		-	-	-	(F) -	SPACE	46
	-	-	-	-			-			-	-	-	-	-	SPACE	48
	-	-	-	-	-			-			-	-	-	-	SPACE	50
	-	-	-	-		-			-		-	-	-	-	SPACE	52
	-	-	-	-			-			-	-	-	-	-	SPACE	54
								-			3	600A	MAIN CIRCUIT BREAKER			
									-							
										-						
					24.96	21.84	21.84	24.96	21.84	21.84						

LOAD	0.00	RECEPT. DEMAND LOAD	0.00
AD	0.00	125% OF LTG LOAD	0.00
AD	0.00	25% OF LARGEST MOTOR	0.00
		EQUIPMENT LOAD	137.28

	KVA	AMPS
TOTAL CONNECTED LOAD	137.28	381.06
TOTAL DEMAND LOAD	137.28	381.06

SCHEDULE NOTES:

1. "DENOTES TO COMBINE FEEDERS INTO (1) CONDUIT

al Panel Schedules

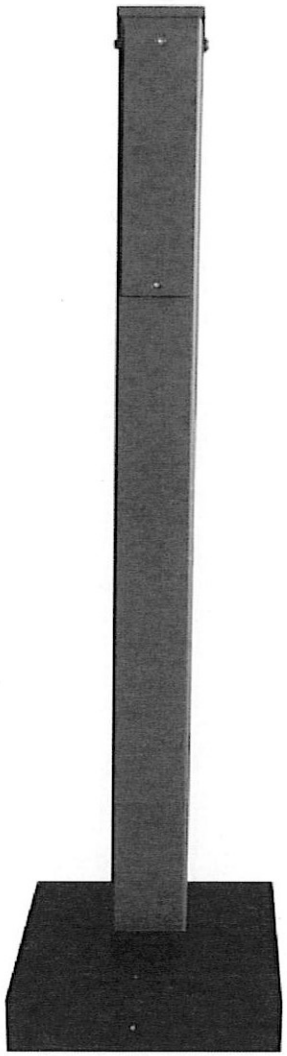
Garage A, B and C
EV Parking Totals

AREA	LEVEL	DOUBLE CORD EV CHARGER	SINGLE CORD EV CHARGER	PEDESTAL SINGLE MOUNT		TOTAL EV PARKING LOCATIO
		HCS-40, 32 amp				
rking C	Level 3	~~22~~ 44	~~2~~ 2	24		46
rking C	Level 5	~~10~~ 20	~~1~~ 1	11		21
		64	3			67
rking A	Level P2	5	1	6		11
rking B	Level P2	5	2	7		12
TAL		42	6	48		90

[redacted]

harger
stal

K!



Pedestal for ClipperCreek HCS EV Charging Station, Single Mount

Brand: ClipperCreek

Product Code: 0300-00-033

UNIVERSAL – Industry-standard bolt platform pattern to outdated charging stations

TOUGH – Powder coated with primer undercoat for envi durability

RELIABLE – Backed by ClipperCreek's 1-year warranty excellent customer service team

CONVENIENT – All pedestals come equipped with 2 kno positioned for a 120V outlet

AFFORDABLE – Minimize your installation costs and mo two units on a single pedestal

4" steel pedestal post - 1/8" thick

Steel pedestal base - 1/4" thick

Slim, modern profile

3/4" conduit

Pedestal cap

Base plate vanity cover

e EV Charger
s of Design

Hardwired

ENERGY STAR

Intertek

, Level 2, 240V, 7.7kW, Hardwired

HCS-40, 32 Amp, Level 2 EVSE, 240V, Hardwired, with 25 ft cable, ETL Listed, ENERGY STAR Certified

Brand: ClipperCreek

Product Code: 0918-00-003

HCS-40, 32 Amp, Level 2 EVSE, 240V, Hardw

ClipperCreek's most popular electric vehicle charging stat a high-quality, high-power, low-price EVSE, built and teste standards to ensure a reliable charge every time. The HCS- and-tear of everyday use in all environments. Its tough NEMA enclosure ensures you can install this unit anywhere with confi

Indoor / Outdoor Rated: Rugged, fully sealed NEMA 4 enclosure for installation anywhere, indoor or outdoor

Reliable: Backed by ClipperCreek's 3-year warranty and outstanding customer service

Convenient: Compact size and 25 feet of charging cable for flexible installation and usability

Automatic Circuit Reclosure: In the event of a minor power fault, the built-in reclosure timer will continue re-checking conditions and begin charging again as soon as possible (if your car needs charging)

Cable Management Included: Keep your charging cord neatly stowed with ClipperCreek's integrated cable wrap and free wall mount connector holster. Plus, our connector accommodates a specially sized padlock (lock included free) for your security

Free Connector Tag and Dry Erase Pen Included: Store in your vehicle and easily indicate whether it's okay to unplug your vehicle while you are charging at a public charging station

Safety Certified: Unlike some brands sold online, ClipperCreek's ETL listing demonstrates this product has met the requirements of widely accepted product safety standards for EV charging stations. ETL LISTED

ENERGY STAR® Certified

e EV Charger
s of Design

32 Amp (7.7kW max)

19.7"L x 8.9"W x 5.3"D

13.5 lbs

Hardwired (3 foot service whip provided)

208/240V, 40A

3 years

25 feet

Lockable SAE J1772

SAE J1772 Connector Holster (wall mount); Connector Lock and Keys

Fully Sealed NEMA 4

Indoor/Outdoor rated

-22°F to 122°F (-30°C to +50°C)

ETL, cETLus, ENERGY STAR®

United States of America

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Christina Taylor, Senior Project Manager)

Date: **November 21, 2023**

Re: **Request for Recommendation of Approval of an Addendum to the Continuing Horizontal Construction Services Agreement The Middlesex Corporation for the Award of H-00361 JFB (Loop Road) Terminal B Entrance Reconfiguration (D/B) at the Orlando International Airport**

The above-referenced project is for design and construction of a reconfigured roadway system that enters the B Terminal to include the entrances to the Arrivals Curb, the Departures Curb, the Ground Transportation Curb, the B Terminal Parking Garage, and the Rental Car Return. This project also includes pavement demolition, pavement installation, building partial demolition, maintenance of traffic, pavement markings, landscaping and any related roadway, building improvement and related services.

On September 26, 2023, bids were received from the continuing contractors as follows:

The Middlesex Corporation	$7,285,840.47
Latest Reconciled Estimate:	$2,660,000.00

Since the bid was over budget, the proposal was renegotiated and The Middlesex Corporation has verified that they will be able to complete the project for the renegotiated amount of $3,490,000.00 and within the Aviation Authority's schedule.

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previously approved General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 11 / 16 / 23 as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Addendum to the Continuing Horizontal Construction

Services Agreement with The Middlesex Corporation for the award of the above-referenced project for the bid amount of $3,490,000.00.

CONSTRUCTION AWARD	
L/S	**$3,490,000.00**
NTE	
TOTAL	**$3,490,000.00**
AAC – Compliance Review Date	11/15/2022 ZTG
AAC – Funding Eligibility Review Date	11/15/2023

SUBJECT TO CFOC

PROJECT START-UP PACKAGE FOR H-00361-MCO

PROJECT ASSESSMENT FORM (PAF)

Coding by Construction Finance :

Short Name:	
Template:	
Campus:	
Cost Center:	
Organization:	
Program:	
Subprogram:	

DATE: March 27, 2023

TO: Kevin J. Thibault, P.E, Chief Executive Officer

FROM: Brad Friel, Sr. Vice President, Multi-Modal Planning and Environmental

SUBJECT: **Project Start-Up**

H-00361-MCO JFB (LOOP RD) TERMINAL B ENTRANCE RECONFIGURATION (D/B)
Orlando International Airport

PROGRAM: Facilities Improvements Projects / Other FIP Projects by Maintenance (FIP)

DESCRIPTION OF PROJECT:

SPONSOR: Planning & Development

Design and construct a reconfirguration of the roadway system that enters Terminal B to include the entrances to the Arrivals curb, Departures curb, Ground Transportation curb, Terminal B Parking Garage and Rental Car Return at the Orlando International Airport. Scope also includes any related roadway, building improvement and related services.

PROPOSED DELIVERY METHOD: (Proposed)

A/E: NONE

Construction:

OAR Design Phase: None

OAR Constr. Phase:

PROJECT PRIORITY: High Priority

SCHEDULE: (See Details under "CURRENT STATUS" Below)

Advertise:		
Pre-Bid Conference:		
Bid Opening:	05/22/2023	
Ant. Notice to Proceed:	07/10/2023	
Ant. Subst. Completion:	10/07/2023	**90 Calendar Days**
Ant. Final Completion:	11/06/2023	**30 Calendar Days**

LIFE EXPECTANCY OF PROJECT: 20 Years

FUNDING: GARBS (General Account Revenue Bonds)

CONTROL BUDGET:

		BY CONSTRUCTION FINANCE:		
Task	**$ Amount**	**$ FUNDED**	**$ UNFUNDED**	**Comments**
A/E Consultant Fees - Design Phase (Base)	$0.00			
A/E Consultant Fees - Construction Phase (Base)	$70,000.00			
Construction	$2,400,000.00			
OAR Fees - Design Phase	$0.00			
OAR Fees - Construction Phase	$150,000.00			
Miscellaneous	$0.00			
Contingency	$80,000.00			
TOTAL	**$2,700,000.00**			

Comments by Construction Finance

FAA/AIP				
FDOT				
PFCs				
Authority Funds				
Other Funds				
TOTAL				

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

PROJECT START-UP PACKAGE FOR H-00361-MCO

CURRENT STATUS:

FUNDING: GARBS

STATUS: Anticipate bidding to the continuing horizontal contractors.

SCHEDULE:
04/11/23 CC Approval of A/E Negotiated Fee
04/11/23 Contract Execution and Design NTP
04/21/23 Receive Approval to Bid
04/24/23 Advertise for Bids
05/03/23 Pre-Bid Meeting
05/22 23 Bid Opening
06/06/23 Receive recommendation to award from CC
06/21/23 Receive approval to award from Board (if >$250k)
07/10/23 Complete Contract Execution
07/10/23 Issue Construction NTP
10/07/23 Substantial Completion (90 cal.days from NTP)
11/06/23 Final Completion (30 cal. days from Subst.)

DRB (DISPUTE REVIEW BOARD):

DRB requirement IS NOT anticipated.

SYSTEMS / AREAS AFFECTED:

NONE

ANTICIPATED PERMITS:

PERMITS

Agency :	Type Of Permit:	Permit No:	Issued:	Expires:	Final:	Comments:	Address:

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

PROJECT START-UP PACKAGE FOR H-00361-MCO

REVIEWED BY:

PROJECT MANAGER:

_____ Date: _____

Brad Friel,Sr. Vice President, Multi-Modal Planning and Environmental

_____ Date: _____

Brad Friel,Senior Vice President, Multi-Modal Planning and Environmental

FOR MAINTENANCE FUNDING PROJECTS ONLY:

_____ Date: _____

ENGINEERING & CONSTRUCTION SENIOR STAFF:

_____ Date: _____

_____ Date: _____

Scott Shedek, Vice President, Construction

_____ Date: _____

Max Marble, Senior Vice President, Capital Programs

FOR CONSTRUCTION FINANCE USE ONLY:

_____ Date: _____

Kathleen M. Sharman, Executive Vice President, Chief Financial Officer

_____ Date: _____

Kevin J. Thibault, P.E, Chief Executive Officer

If signing as a Temporary Designee, attach a copy of authorization memo (or e-mail)

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

SECTION 01 11 00 - SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and General Conditions of Contract, including other Division 1 Specification Sections, apply to this Section.

1.2 PROJECT DESCRIPTION

A. Project/Work Identification:

1. The General overall description of the Work of the Contract for the:

   H-00361, JFB (LOOP RD) B TERMINAL ENTRANCE RECONFIGURATION (D/B)
   Orlando International Airport
   Orlando, Florida

   can be summarized for purposes of administration and payment in the manner of project segments as follows:

2. The Project consists of design and construction of a reconfigured roadway system that enters the B Terminal to include the entrances to the Arrivals Curb, the Departures Curb, the Ground Transportation Curb, the B Terminal Parking Garage, and the Rental Car Return. This project also includes pavement demolition, pavement installation, building partial demolition, maintenance of traffic, pavement markings, landscaping and any related roadway, building improvement and related services.

1.3 CONTRACTOR USE OF PREMISES

A. Limit use of the premises to construction activities within areas indicated; allow for any Owner and tenant occupancy, and use by the public.

1. Minimize any disruption to all operating areas, including parking areas.

   a. Existing public services and utility systems shall remain in operation during the construction period, excluding times required for installation of new work unless specifically allowed by the Contract.
   b. Schedule and coordinate outages and interruptions of public service with the OAR. See the specific forms for processes and time constraints. Utilize the following forms:

      1) Form #018 System Interruption/Utility Outage Notification.
      2) Form #018a System Interruption/Utility Outage Notification Procedured.
      3) Form #018b Roofing Impact Notification
      4) Form #018c Security System Interruption/Outage Request

2. Provide all temporary directional signage, safety, and barricading required for passenger services.

a. Submit a plan indicating signage, safety, and barricading for access routes, storage areas and work sites, at the pre-construction meeting.
b. Directional signing at the access gate and or along the delivery route to the storage area or work site shall be as directed by the OAR.

3. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.
4. Access to site shall be shown on the plans or as directed by the OAR. Do not permit any unauthorized construction personnel or traffic on the site. Provide for traffic control to and from the various construction areas. Immediately clean-up any debris deposited along the access road as a result of construction traffic.

a. Keep driveways and entrances serving the premises clear and available to the Owner, Tenant, their employees at all times, and the public. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

5. All material orders for delivery to the site will use as a delivery address the access point at the Contractor's storage site.

a. Coordinate with the OAR and allow for the least possible disruption of the facilities normal operations for delivery of materials and removal of demolished and discarded materials.
b. Delivery of materials and removal of demolished and discarded materials shall be scheduled as follows:

1) Schedule and coordinate all deliveries and removal of debris between the hours of 7:00 AM and 5:00 PM each day of the work week.

6. The limits of construction material storage areas, equipment storage areas, and parking areas shall be as indicated in the documents or as directed by the OAR. Erect and maintain suitable fencing, marking and warning devices suitable for both day/night use to delineate the perimeter of all such areas. Refer to specification Section 01 55 30 Requirements for Use of Canal Road.

a. Parking management cards may be used to provide contractor parking in the terminal garages and terminal top parking. These cards will cost $60 per card per month, taxes not included.

B. Use of the Existing Building: Maintain the existing building in a weathertight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.

1.4 OWNER OCCUPANCY

A. Full Owner Occupancy: The Owner, its tenants, and the public will occupy the site and existing building and adjacent facilities (outside the limits of the construction area unless specified) during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts, facilitate occupancy usage, and protect persons and property in the project area during the entire construction period. Perform the Work so as not to interfere with the Owner's operations.

1. All work may be carried out without time restrictions, unless otherwise directed by the Owner.
2. Unless otherwise directed by the Owner, work shall be scheduled between the hours of 7:00 AM until 5:00 PM each day. Some night work will be anticipated and discussed.

1.5 LAWS, PERMITS, AND REGULATIONS

A. Comply with all applicable laws, ordinances, regulations, codes, ADA requirements.

B. Obtain and pay for all license and permits, all fees and charges for connection to outside services and parking for Contractor's vehicles.

C. Abide by FAA and Owner’s safety and security regulations and procedures relative to access to, and work in, Airport Operations Areas and secured facilities.

D. Comply with Owner’s insurance requirements.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 01 11 00

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	AS	$ 8,669.37	AREA 8			4			
	EA	$ 5,069.82	AREA 8			14			
	EA	$ 8,361.61	AREA 8			1			
ER, UP TO	EA	$ 135,000.00	AREA 8			1			
100 FT	EA	$ 145,343.60	SW6						
-150 FT	EA	$ 146,430.51	SW6			2			
	EA	$ 4.29	AREA 8			240			
	LS	$ -	AREA 8						
	GM	$ 9,136.29	AREA 8			0.381			
	LF	$ 5.39	AREA 8			300			
	LF	$ 6.50	AREA 8						
	EA	$ 160.91	AREA 8						
	EA	$ 72.39	AREA 8						
	GM	$ 5,456.87	AREA 8			0.548			
	GM	$ 1,705.38	AREA 8			1.043			
	GM	$ 5,257.91	AREA 8			0.537			
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e are draft concept quantities.									

SECTION 00 41 13 - PROPOSAL FORM – db-nf-(single-Prime Contract)

PROPOSAL FOR THE GREATER ORLANDO AVIATION AUTHORITY

Submitted By: The Middlesex Corporation
(Proposer's Name)

Date: September 26, 2023

The undersigned Proposer hereby certifies the following: (1) it has accurately identified all persons required by the applicable signature block; (2) this Proposal is fair, in all respects, and made in good faith, without collusion or fraud; (3) no officer, employee or agent of the Authority and no spouse or child of an officer or employee of the Authority, has, or will have during the performance of the Contract, any material interest in the business of the Proposer, and (4) Proposer has no knowledge of any potential conflict of interest.

The Proposer further represents that it has carefully examined the site of the Work, the DCP, Contract Documents, the Addenda furnished prior to the opening of the Proposals, and existing Owner records for the Work contemplated during the Proposal submittal period. By submitting a Proposal, the Proposer represented to the Owner that the Proposal and the Contract is inclusive of sufficient compensation for performing adequate investigations of existing site conditions, the DCP, and existing records to sufficiently support the design developed and proposed by the Proposer. The Proposer further acknowledges that any information provided by the Owner was to assist the Proposer in completing adequate investigations. In addition the Proposer represents that it has investigated and is fully informed of the conditions to be encountered, of the character, quality and quantities of Work to be performed and materials to be furnished and has included in the Proposal and Contract all items necessary for the proper execution and completion of the Work in accordance with the requisite time frame, applicable laws, statutes, building codes, regulations, or as otherwise required by the Contract Documents.

If provided with a Notice of Intent to Award the Contract by the Owner, the Proposer shall execute and deliver to the Owner all of the documents required by the Contract Documents, including but not limited to, the Contract Agreement and the Performance and Payment Bonds in the form contained in the Contract Documents, furnish the required evidence of the specified insurance coverages, furnish all necessary design, permits, licenses, materials, equipment, machinery, maintenance, tools, apparatus, means of transportation and labor necessary to complete the Work provided for in the Contract Documents for "Proposal Package H-00361, JFB (Loop Road) B Terminal Entrance Reconfiguration (D/B), Orlando International Airport," Orlando, Florida.

The Proposer shall commence work specified herein within the time limits set forth in the Instructions to Proposers, which time limits the Proposer acknowledges are reasonable.

~~If the Proposer improperly withdraws its Proposal or fails to execute and deliver to the Owner any of the documents required by the Contract Documents, within ten (10) days after the date of the Notice of Intent to Award, the Owner may seek recourse against the Proposal Guaranty as provided for in the Contract Documents.~~

If the Proposer fails to complete the Work within the scheduled time or any authorized extension thereof, liquidated damages, in accordance with the Contract Documents, shall be deducted from the Total Contract Price.

Acknowledgment is hereby made of the following Addenda (identified by number) received since issuance of the Plans and Specifications:

ADDENDA	DATE
1	08/31/2023
2	09/06/2023
3	09/07/2023

ADDENDA	DATE

PUBLIC ENTITY CRIMES ACT

The Proposer represents that it is not precluded from submitting a Proposal under Section 287.133(2)(a), which provides as follows: "A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount set forth in Florida Statutes s.287.017, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list."

MWBE/LDB/VBE PROGRAM ACKNOWLEDGEMENT

By submitting a Proposal on this Project, Proposer represents that it has reviewed and familiarized itself with the Owner's Minority and Woman Business Enterprise Policy (MWBE), the Local Developing-Business Program Policy (LDB) and the Veterans Business Enterprise (VBE). **See the Instructions to Proposers for the MWBE Participation Goal and the LDB/VBE Participation Goal.**

~~**DBE PROGRAM ACKNOWLEDGEMENT**~~

~~By submitting a Proposal on this Project, Proposer represents that it has reviewed and familiarized itself with the Owner's Disadvantaged Business Enterprise Participation Program (DBE). **See the Instructions to Proposers for the DBE Participation Goal.**~~

SCRUTINIZED COMPANY CERTIFICATION

By submitting a Proposal on this Project:

A. (applicable to all agreements, regardless of value) – Proposer hereby certifies that it is not on the Scrutinized Companies that Boycott Israel List and is not engaged in a boycott of Israel, as defined in Florida Statutes § 287.135, as amended;

AND

A. (applicable to agreements that may be $1,000,000 or more) - Proposer hereby certifies that it is: (1) not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies

with Activities in the Iran Petroleum Energy Sector List as defined in Florida Statutes § 287.135; and (2) not engaged in business operations in Cuba or Syria, as defined in Florida Statutes § 287.135, as amended.

TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10, "Text Messaging While Driving" (12/30/2009), FAA encourages recipients of Federal grant funds to adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers including policies to ban text messaging while driving when performing any work for, or on behalf of, the Federal government, including work relating to a grant or subgrant.

The Contractor must promote and conduct workplace safety initiatives for employees and other work personnel in a manner commensurate with the size of the business, such as:

a. Establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving; and
b. Education, awareness, and other outreach to employees about the safety risks associated with texting while driving.

The Contractor must insert this "Texting When Driving" language in each third party subcontract involved on this project.

PUBLIC ENTITY CRIMES ACT

The Contractor represents that it is not precluded from submitting a bid or proposal under Section 287.133(2)(a), which provides as follows: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal or reply on a contract to provide any goods or services to a public entity, may not submit a bid, proposal or reply on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount set forth in Florida Statutes s.287.017, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

DISCRIMINATORY VENDOR LIST

The Contractor represents that it is not precluded from submitting a bid or proposal under Section 287.134, which provides as follows: An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity unless that entity or affiliate has been removed from the list pursuant to Florida law.

FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) QUALIFICATION (if applicable)

The Contractor represents that neither it nor its affiliates have had their Certificate of Qualification suspended, revoked or denied by the FDOT, or determined by the FDOT to be a non-responsible contractor.

PROPOSAL

FOR ALL WORK REQUIRED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS, INCLUDING ALL COSTS RELATED TO THE WORK, AND ANY REQUIRED PERMITS, TAXES, BONDS AND INSURANCE, THE UNDERSIGNED SUBMITS:

PROPOSAL SCHEDULE

Design Engineering Phase Price	$ 500,000.00
Construction Phase Price	$ 6,785,840.47
TOTAL PROPOSAL PRICE:	$ 7,285,840.47

Seven Million Two Hundred Eighty-Five Thousand Eight Hundred Forty Dollars and Forty Seven Cents
Dollars

(Proposer's Signature)

THE MIDDLESEX CORP INCORPORATED 1974 MASSACHUSETTS

Senior Vice President Preconstruction
(Proposer's Title)

9-26-2023
(Date)

tgrondine@middlesexco.com
(Email)

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(If Proposer is a corporation, complete this signature block)
Fill in the name of the corporation, followed by the signature of the officer signing on behalf of the corporation, name and officer's title and Secretary attestation.

The below Corporation is organized and existing under the laws of the State of Massachusetts, authorized by law to make this Proposal and perform all work and furnish materials and equipment required under the Contract Documents, and is authorized to do business in the State of Florida.

Federal ID #04-2534615

The Middlesex Corporation
Name of Corporation

Phone: 978-742-4409

By: _____
(signature of corporate officer)

Fax: 978-742-4434

Name: Thomas Grondine

Title: Senior Vice President - Preconstruction

Address: One Spectacle Pond Road, Littleton, MA 01460

(Affix Corporate Seal)

Attest: _____
Assistant Secretary David Socci

The full name, address and title of every Officer of the Corporation (including the President, Vice President, Secretary, and Treasurer) is as follows (attach additional pages if necessary):

See attachment "A"

Name	Address	Title
Name	Address	Title
Name	Address	Title
Name	Address	Title

Officers and Board Members of
The Middlesex Corporation
Corporate Office:
One Spectacle Pond Road
Littleton, MA 01460

Name	Title	Office
Robert W. Pereira	Chief Executive Officer	One Spectacle Pond Road, Littleton, MA 01460
Robert W. Pereira II	President and Chief Operating Officer	One Spectacle Pond Road, Littleton, MA 01460
Neil T. Mulrooney	Senior Vice President Construction Southeast Region	10801 Cosmonaut Boulevard, Orlando, FL 32824
David P. Socci	Senior Vice President & Assistant Secretary	One Spectacle Pond Road, Littleton, MA 01460
Thomas M. Grondine	Senior Vice President Preconstruction	One Spectacle Pond Road, Littleton, MA 01460
Peter J. Martinkus	Senior Vice President Finance, CFO & Secretary	One Spectacle Pond Road, Littleton, MA 01460
Joshua S. Wernig	Vice President & General Counsel	10801 Cosmonaut Boulevard, Orlando, FL 32824
James M. Wills	Senior Vice President Business Development	10801 Cosmonaut Boulevard, Orlando, FL 32824
Edward Taylor Cox, Sr.	Senior Vice President Business Development Southeast Region	10801 Cosmonaut Boulevard, Orlando, FL 32824
James E. Reardon	Vice President Alternative Delivery	10801 Cosmonaut Boulevard, Orlando, FL 32824
Joseph B. Phinney	Vice President Construction Operations	10801 Cosmonaut Boulevard, Orlando, FL 32824
Michael J. Iapaluccio	Vice President Paving	10801 Cosmonaut Boulevard, Orlando, FL 32824
Mark A. Landry	Vice President Plants	10801 Cosmonaut Boulevard, Orlando, FL 32824

MIDDLESEX CORPORATION

At a meeting of the Board of Directors of THE MIDDLESEX CORPORATION held on August 14, 2023, at which all the Directors were present or waived notice, it VOTED, that Robert W. Pereira, Chairman and Chief Executive Officer; Robert W. Pereira II, President and Chief Operating Officer; Neil T. Mulrooney, Senior Vice President Construction Southeast Region; David P. Socci, Senior Vice President & Assistant Secretary; Thomas M. Grondine, Senior Vice President Preconstruction; Peter J. Martinkus, Senior Vice President Finance, CFO & Secretary; Joshua S. Wernig, Senior Vice President & Chief Legal Officer; James M. Wills, Senior Vice President Business Development; Edward Taylor Cox Sr., Vice President Business Development; James E. Reardon, Vice President Alternative Delivery; Joseph B. Phinney, Vice President Construction Operations; Michael J. Iapaluccio, Vice President Paving and Mark A. Landry, Vice President Plants; be and they hereby are authorized to execute bids, contracts, bonds, and owners' payment requisitions in the name and on behalf of said Corporation, and affix its Corporate Seal thereto; and such execution of any contract or obligation in the Corporation's name on its behalf by such Chief Executive Officer, President, Vice President, and Secretary under seal of the Corporation, shall be valid and binding upon this Corporation.

A true copy

ATTEST: _____
Peter J. Martinkus
Secretary

Place of Business: One Spectacle Pond Road
Littleton, MA 01460
Date: 9/26/2023

THE MIDDLESEX CORP INCORPORATED 1974 MASSACHUSETTS

I hereby certify that I am the Secretary of THE MIDDLESEX CORPORATION, that Robert W. Pereira is the duly elected Chairman and Chief Executive Officer, Robert W. Pereira II is the duly elected President and Chief Operating Officer, Neil T. Mulrooney is the duly elected Senior Vice President Construction Southeast Region, David P. Socci is the duly elected Senior Vice President & Assistant Secretary, Thomas Grondine is the is the duly elected Senior Vice President Preconstruction, Peter J. Martinkus is the duly elected Senior Vice President Finance, CFO & Secretary, Joshua S. Wernig is the duly elected Senior Vice President & Chief Legal Officer, James M. Wills is the duly elected Senior Vice President Business Development, Edward Taylor Cox is the duly elected Vice President Business Development, James R. Reardon is the duly elected Vice President Alternative Delivery, Joseph B. Phinney is the duly elected Vice President Construction Operations, Michael J. Iapaluccio is the duly elected Vice President Paving and Mark A. Landry is the duly elected Vice President Plants of said Corporation, and that the above vote has not been amended or rescinded and remains in full force and effect as of this date.

_____
Peter J. Martinkus
Secretary

THE MIDDLESEX CORP INCORPORATED 1974 MASSACHUSETTS

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(If Proposer is a LLC, complete this signature block)
Fill in the name of the limited liability company, followed by the signature and printed name of the Manager who is authorized to sign on behalf of the LLC,

The below LLC is organized and existing under the laws of the State of _____, authorized by law to make this Proposal and perform all work and furnish materials and equipment required under the Contract Documents, and is authorized to do business in the State of Florida.

Federal ID #_____

_____
Name of Limited Liability Company

Phone:_____

By: _____
(signature of Manager)

Fax:_____

Name:_____
(Please print legibly or type)

Address of LLC:_____

Attest:_____
(Affix Corporate Seal) (Secretary)

The full name and address and title of every Member and Manager are as follows (attach additional pages if necessary):

Name	Address	Title
Name	Address	Title
Name	Address	Title
Name	Address	Title

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(If Proposer is a joint venture or partnership, complete this signature block)

Fill in name of joint venture or partnership, followed by the signature of each partner of the joint venture or partnership. By signing below, each partner of the joint venture or partnership acknowledges and agrees that the partner is jointly and severally liable for all obligations of the joint venture or partnership pursuant to the Contract (attach additional pages if necessary).

Name of joint venture or partnership:_____

Federal ID#:_____ Phone:_____ Fax:_____

By:_____ Federal ID#:_____
(Signature of Partner)

Name:_____
(Please print legibly or type)

Address:_____

Phone:_____ Fax:_____

By:_____ Federal ID#:_____
(Signature of Partner)

Name:_____
(Please print legibly or type)

Address:_____

Phone:_____ Fax:_____

(If Proposer is an individual, complete this signature block)

SSN:_____ By:_____
(Signature)

Phone:_____ Name:_____
(Please print legibly or type)

Fax:_____ Date:_____

Address:_____

END OF SECTION 00 41 13

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SECTION 00 41 13.13.2 - EXHIBIT A - **ENVELOPE B**

Bidder: The Middlesex Corporation

SCHEDULE OF MWBE SUBCONTRACTOR PARTICIPATION MONETARY VALUES

	"A"	"B"	"C"	"D"	"E"
	NAME OF CERTIFIED MWBE FIRM, MANUFACTURER, VENDOR/SUPPLIER	ADDRESS AND PHONE NUMBER	SCOPE OF WORK AND NAICS CODE	ESTIMATED SUBCONTRACT AMOUNT ($)*	VENDOR/SUPPLIER SUBCONTRACT AMOUNT ($)**
1	Tierra, Inc.	7351 Temple Terrace Highway, Tampa FL 33637 813-989-1354	Quality Control & Geotechnical Engineering 541380, 541330	$44,119.00	$44,119.00
2	Arazoza Brothers Corporation	7027 SW 87 Court, Miami, FL 33173 305-246-3223	Landscape & Irrigation 561730, 221310	$166,150.00	$166,150.00
3	Sunrise Hauling & Excavating, Inc.	345 Enterprise Street, Ocoee, FL 34761 321-231-6092	Trucking/Hauling 484220, 423320	$33,232.00	$33,232.00
4	Shelby Erectors, Inc.	4575 Oakes Road, Davie, FL 33314 954-275-3123	Rebar Installation 238120	$2,125.00	$2,125.00
5	American Infrastructure Develo	3810 Northdale Blvd, Ste 170, Tampa, FL 33624; 813-374-2200	Drainage Engineering 541330, 541611	$22,150.00	$22,150.00
6	Coyle & Caron	236 Pasadena Place, Orlando, FL 32803 407-866-0650	Landscape Architectural Services 541320	$13,975.00	$13,975.00
			TOTALS $ Page 1	$281,751.00	
	Example Firm, Manufacturer,			$100	$281,751.00
	Example Vendor/Supplier			$60	$100

*"D" Show MWBE Bid Values: The Proposal value in this column for Vendor/Supplier Subcontracts is shown as 60% of column "E" 100% value.
** "E" Show MWBE Vendor/Supplier Values: Full Subcontractor Bid Amount

The undersigned will enter into a formal agreement with the above MWBE subcontractors for work listed in the schedule conditioned upon execution of a contract with the Owner.

By: _____

Thomas Grondine, Senior Vice President Preconstruction

THE MIDDLESEX CORP INCORPORATED 1977 MASSACHUSETTS

See Page 2 for total MWBE

SECTION 00 41 13.13.2 - EXHIBIT A - **ENVELOPE B**

Bidder: The Middlesex Corporation

SCHEDULE OF MWBE SUBCONTRACTOR PARTICIPATION MONETARY VALUES

	"A"	"B"	"C"	"D"	"E"
	NAME OF CERTIFIED MWBE FIRM, MANUFACTURER, VENDOR/SUPPLIER	ADDRESS AND PHONE NUMBER	SCOPE OF WORK AND NAICS CODE	ESTIMATED SUBCONTRACT AMOUNT ($)*	VENDOR/SUPPLIER SUBCONTRACT AMOUNT ($)**
1	Manuel G Vera & Associates, Inc.	3421 SW 107th Ave, Miami, FL 33165 305-221-6210	Topographic Survey 541370	$18,073.00	$18,073.00
2	Garcia Civil Contractors, LLC.	13110 Moss Park Ridge Dr., Orlando, FL 32832 407-744-2790	Curb & Barrier Wall 237310	$238,290.00	$238,290.00
3					
4					
5					
6					
			TOTALS $ Pg. 1 & 2	$538,114.00	
	Example Firm, Manufacturer,			$100	$538,114.00
	Example Vendor/Supplier			$60	$100

*"D" Show MWBE Bid Values: The Proposal value in this column for Vendor/Supplier Subcontracts is shown as 60% of column "E" 100% value.
** "E" Show MWBE Vendor/Supplier Values: Full Subcontractor Bid Amount
The undersigned will enter into a formal agreement with the above MWBE subcontractors for work listed in the schedule conditioned upon execution of a contract with the Owner.

By: _____

Thomas Grondine, Senior Vice President - Preconstruction

THE MIDDLESEX CORPORATION INCORPORATED 1974 MASSACHUSETTS

Page 2

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SECTION 00 41 13.14.2 - EXHIBIT B – **ENVELOPE B**

Bidder: The Middlesex Corporation

SCHEDULE OF LDB/VBE SUBCONTRACTOR PARTICIPATION MONETARY VALUES

	"A"	"B"	"C"	"D"	"E"
	NAME OF CERTIFIED LDB/VBE FIRM, MANUFACTURER, VENDOR/SUPPLIER	ADDRESS AND PHONE NUMBER	SCOPE OF WORK AND NAICS CODE	ESTIMATED SUBCONTRACT AMOUNT ($)*	VENDOR/SUPPLIER SUBCONTRACT AMOUNT ($)**
1	Transportation Systems, Inc.	575 Cooper Industrial Parkway, Unit 408, Apopka, FL 32703; 407-525-9940	Electrical and Signage 238210	$871,887.00	$871,887.00
2					
3					
4					
5					
6					
			TOTALS $	$871,887.00	
	Example Firm, Manufacturer,			$100	$871,887.00
	Example Vendor/Supplier			$60	$100

*"D" Show LDB/VBE Bid Values: The Proposal value in this column for Vendor/Supplier Subcontracts is shown as 60% of column "E" 100% value.
** "E" Show LDB/VBE Vendor/Supplier Values: Full Subcontractor Bid Amount

The undersigned will enter into a formal agreement with the above LDB/VBE subcontractors for work listed in the schedule conditioned upon execution of a contract with the Owner.

By: _____

Thomas Grondine, Senior Vice President Preconstruction

THE MIDDLESEX CORP INCORPORATED 1974 MASSACHUSETTS

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Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Tierra, Inc**
OWNER	**Mr Luis Mahiquez**
ADDRESS	**7351 Temple Terrace Highway** **Tampa, FL 33637** [map]
PHONE	**813-989-1354**
FAX	**813-989-1355**
EMAIL	lmahiquez@tierraeng.com
WEBSITE	http://www.tierraeng.com

Certification Information

CERTIFYING AGENCY	**City of Orlando**
CERTIFICATION TYPE	**MBE - Minority Business Enterprise**
EXPIRATION DATE	**9/30/2024**
CERTIFIED BUSINESS DESCRIPTION	**Engineering Consulting-Geotechnical, Environmental and Material Testing & Inspection**

Commodity Codes

Code	Description
NIGP 91843	Environmental Consulting
NIGP 92535	Environmental Engineering
NIGP 92546	Geotechnical Engineering

Additional Information

PROFESSIONALS/CONSULTANTS	**Yes**

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Arazoza Brothers Corporation**
OWNER	**Mr Albert Arazoza**
ADDRESS	**7027 SW 87 Court** **Miami, FL 33173** [map]
PHONE	**305-246-3223 Ext. 13**
FAX	**305-246-0481**
EMAIL	**RASENSIO@arazozabrothers.com**
WEBSITE	**http://www.arazozabrothers.com**

Certification Information

CERTIFYING AGENCY	**City of Orlando**
CERTIFICATION TYPE	**MBE - Minority Business Enterprise**
EXPIRATION DATE	**6/30/2025**
CERTIFIED BUSINESS DESCRIPTION	**Landscape Maintenance; Installation and Irrigation**

Commodity Codes

Code	Description
NIGP 93437	Irrigation Systems Installation, Maintenance and Repair
NIGP 98875	Roadside Maintenance Services, Including Mowing, etc. (Inactive, please see commodity code 988-36 effective January 1, 2016)

Additional Information

SERVICES	**Yes**

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Sunrise Hauling & Excavating, Inc.**
OWNER	**Mrs. Nakeranie Persaud**
ADDRESS	**345 Enterprise Street** **Ocoee, FL 34761 [map]**
PHONE	**321-231-6092**
FAX	**407-395-2331**
EMAIL	**Sunrisehauling@gmail.com**

Certification Information

CERTIFYING AGENCY	**Greater Orlando Aviation Authority**
CERTIFICATION TYPE	**MWBE - Minority/Women Business Enterprise**
CERTIFIED BUSINESS DESCRIPTION	**Hauling dirt, sand, rocks**

Commodity Codes

Code	Description
NAICS 484220	Sand hauling, local
NAICS 484220	Top-soil hauling, local
NAICS 484230	Sand hauling, long-distance
NAICS 562119	Rubble hauling, local

Additional Information

FIRM IS LDB OR LDB CMAR:	**LDB CMAR**

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**American Infrastructure Development, Inc.**
OWNER	**Ms. Sabina Mohammadi**
ADDRESS	**3810 Northdale Mabry Hwy., Suite 170** **Tampa, FL 33624 [map]**
PHONE	**813-374-2200**
FAX	**813-374-8905**
EMAIL	**sabina@aidinc.us**
WEBSITE	**http://aidinc.us**

Certification Information

CERTIFYING AGENCY	**Greater Orlando Aviation Authority**
CERTIFICATION TYPE	**MWBE - Minority/Women Business Enterprise**
CERTIFIED BUSINESS DESCRIPTION	**Civil Engineering And Program And Project Management**

Commodity Codes

Code	Description
NAICS 541330	Civil engineering services

Additional Information

FIRM IS LDB OR LDB CMAR:	**Not Applicable**

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Coyle & Caron, Inc.**
OWNER	**Ms. Sally Coyle**
ADDRESS	**833 Highland Avenue** **Suite 200** **Orlando, FL 32803-3946 [map]**
PHONE	**407-866-0650**
FAX	**407-866-0650**
EMAIL	**scoyle@coylecaron.com**
WEBSITE	**http://www.coylecaron.com**

Certification Information

CERTIFYING AGENCY	**Greater Orlando Aviation Authority**
CERTIFICATION TYPE	**MWBE - Minority/Women Business Enterprise**
CERTIFIED BUSINESS DESCRIPTION	**Landscape Architecture**

Commodity Codes

Code	Description
NAICS 541320	Landscape architectural services
NIGP 90656	Landscape, Architectural Services

Additional Information

FIRM IS LDB OR LDB CMAR:	**LDB**

Florida UCP DBE Directory

Number of Vendors Returned: 1
Selection Criteria:
Vendor : SHELBY ERECTORS INC

Vendor Name: SHELBY ERECTORS INC
DBE Certification: CERTIFIED **MBE Certification:** CERTIFIED **ACDBE Status:** N **Statewide Availability:** Y
DBA: **Former Name:**
Business Description: STEEL SUBCONTRACTOR

Mailing Address: 4575 OAKES ROAD
DAVIE FL 33314

Contact Name: JENNIFER M NIX **Phone:** (954) 275-3123 **Fax:** (954) 432-6489
Email: JENNIFERNIX@SHELBYERECTORS.COM **Web Site:**

Certified NAICS
238120 Structural Steel and Precast Concrete Contractors

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Garcia Civil Contractors, LLC**
OWNER	**Mr. Eduardo Garcia**
ADDRESS	**13110 Moss Park Ridge Dr.** **Orlando, FL 32832** [map]
PHONE	**407-744-2790**
FAX	**000-000-0000**
EMAIL	**eddy@garciacivil.com**
WEBSITE	**http://www.garciacivil.com**

Certification Information

CERTIFYING AGENCY	**Greater Orlando Aviation Authority**
CERTIFICATION TYPE	**MWBE - Minority/Women Business Enterprise**
CERTIFIED BUSINESS DESCRIPTION	**Heavy civil construction - road construction, concrete sidewalks, curb and gutters, drainage, utilities, earthwork, site work**

Commodity Codes

Code	Description
NAICS 237310	Curbs and street gutters, highway, road and street, construction
NAICS 237310	Sidewalk, public, construction

Additional Information

FIRM IS LDB OR LDB CMAR:	**Not Applicable**

Florida UCP DBE Directory

Number of Vendors Returned: 1
Selection Criteria:
Vendor : MANUEL G VERA & ASSOCIATES INC

Vendor Name: MANUEL G VERA & ASSOCIATES INC
DBE Certification: CERTIFIED **MBE Certification:** **ACDBE Status:** N **Statewide Availability:** N
DBA: **Former Name:**
Business Description: SURVEYING & MAPPING (EXCEPT GEOPHYSICAL) SERVICES

Mailing Address: 3421 SW 107TH AVENUE
MIAMI FL 33165

Contact Name: MARIA T VERA **Phone:** (305) 221-6210 **Fax:** (305) 221-1295
Email: MTVERA@MGVERA.COM **Web Site:** WWW.MGVERA.COM

Certified NAICS
541370 Surveying and Mapping (except Geophysical) Services

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Transportation Systems, Inc.**
OWNER	**Mr. Eric Lesso**
ADDRESS	**575 Cooper Industrial Parkway** **Unit # 408** **Apopka, FL 32703** [map]
PHONE	**470-525-9940**
FAX	**407-612-2270**
EMAIL	**Elesso@tsi-fl.com**
WEBSITE	**http://www.tsi-fl.com**

Certification Information

CERTIFYING AGENCY	**Greater Orlando Aviation Authority**
CERTIFICATION TYPE	**LDB - Local Developing Business**
CERTIFIED BUSINESS DESCRIPTION	**Electrical signal installation**

Commodity Codes

Code	Description
NAICS 238210	Highway, street and bridge lighting and electrical signal installation

Additional Information

FIRM IS LDB OR LDB CMAR:	**LDB**

The Commonwealth of Massachusetts

Secretary of the Commonwealth

State House, Boston, Massachusetts 02133

William Francis Galvin
Secretary of the
Commonwealth

Date: September 18, 2023

To Whom It May Concern :

I hereby certify that according to the records of this office,

THE MIDDLESEX CORPORATION

is a domestic corporation organized on **January 23, 1974** , under the General Laws of the Commonwealth of Massachusetts. I further certify that there are no proceedings presently pending under the Massachusetts General Laws Chapter 156D section 14.21 for said corporation's dissolution; that articles of dissolution have not been filed by said corporation; that, said corporation has filed all annual reports, and paid all fees with respect to such reports, and so far as appears of record said corporation has legal existence and is in good standing with this office.

In testimony of which,
I have hereunto affixed the
Great Seal of the Commonwealth
on the date first above written.

William Francis Galvin

Secretary of the Commonwealth

Certificate Number: 23090278630

Verify this Certificate at: http://corp.sec.state.ma.us/CorpWeb/Certificates/Verify.aspx

Processed by: pho

State of Florida
Department of State

I certify from the records of this office that THE MIDDLESEX CORPORATION is a Massachusetts corporation authorized to transact business in the State of Florida, qualified on February 12, 1991.

The document number of this corporation is P32795.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on June 6, 2023, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-eighth day of August, 2023

Secretary of State

Tracking Number: 7063765415CU

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

November 10, 2023

Mr. Scott Shedek
Vice President of Construction
Greater Orlando Aviation Authority
11312 Terminal C Service Road
Orlando, FL 32824

Re: Continuing Horizontal Construction Services
H-00361 JFB (Loop Road) Terminal B Entrance Reconfiguration (D/B) Proposal

Mr. Shedek,

The Middlesex Corporation is pleased to provide our updated scope of work plan and price proposal for the above referenced project.

The refined concept is now the focal point of our proposal, and provides the opportunity for a lower cost, simpler, more efficient design and construction approach. Major elements from our initial proposal are reduced or eliminated as further identified below. This scope refinement allows us to deliver this project in a 4-month construction time frame, back in alignment with GOAA's initial expectation.

The revised concept and simplification of the design and construction allows us to present our lump sum proposal in the amount of $3,490,000.00, highlighted by the following:

- The added sliver widening on the south end to add some additional lane capacity to the garage entry/new rental car lane. This adds a new sign panel on the existing overhead sign structure, shown on page 2 of the attached concept plans.
- Reconfiguration of the rental car/oversized area on the north end. Note we made a smoother curve for the rental cars, and we reconfigured the 3-gate system to a 1 gate system. We relocated the gate and voice entry pedestal slightly north to create a stacking lane for an oversized box truck. This minimized the widening in this area.
- Deletion of all canopy modifications – design and construction
- Deletion of long lead time overhead span sign structure - design and construction
- Reduction in pavement widening areas from 3 locations to 1 location.
- Reduction in MOT phasing from 5 phases to 2 phases
- Reduction in MOT work and nightly lane closures for reduced impact on airport customers
- Simplification and reduction of drainage, curbing, markings, signage, and landscaping
- Elimination of OUC light pole relocation work – design and construction
- Design simplification and streamlining including elimination of canopy permit & ERP modification.
- Project construction duration reduction from 11 months to 4 months

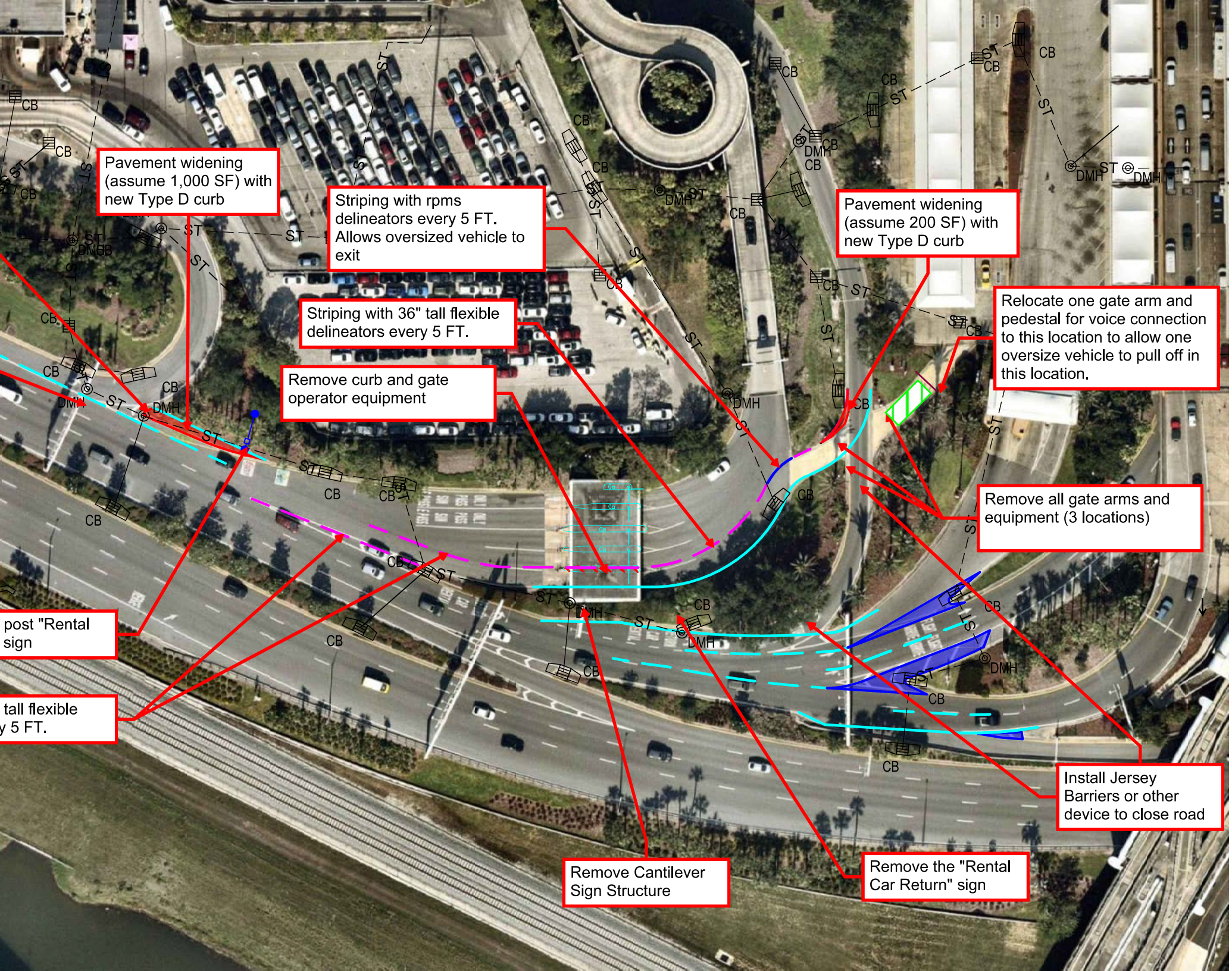
We are happy to meet with you at your convenience to review the details of our plan and pricing and answer any questions you may have. We are eager to get started on this project and ready to get preliminary design underway.

We appreciate this opportunity and look forward to working with you to complete another successful project for GOAA. If you have any questions, please feel free to call me at 321-229-5662.

Sincerely,
THE MIDDLESEX CORPORATION

James Carr – Chief Estimator

Cc: Christina Taylor, GOAA Sr. PM Construction
Neil Mulrooney, TMC
Cary Strzepek, TMC


Pavement widening (assume 1,000 SF) with new Type D curb
Striping with rpms delineators every 5 FT. Allows oversized vehicle to exit
Striping with 36" tall flexible delineators every 5 FT.
Remove curb and gate operator equipment
Pavement widening (assume 200 SF) with new Type D curb
Relocate one gate arm and pedestal for voice connection to this location to allow one oversize vehicle to pull off in this location.
Remove all gate arms and equipment (3 locations)
post "Rental sign
tall flexible y 5 FT.
Remove Cantilever Sign Structure
Remove the "Rental Car Return" sign
Install Jersey Barriers or other device to close road

Change the "Parking B" green sign to Rental Car Return

nel

ntal Car
add to
left

Change digital sign message to read "Rental Car Return" for right lane

Remove Cantilever Sign Structure

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, VP of Construction**
(Prepared by Don Corthell, PSA)

Date: **November 21, 2023**

Re: **Request for Recommendation of Award of V-00982 MCO Campus Key and Lock Replacement to H.A. Contracting Corp, Orlando International Airport**

The above-referenced project is to replace all the existing locks and cores with Owner furnished Medeco cores throughout the Campus. The Contractor will manage the installation, switch out the cores and maintain the cores during production and construction.

On October 11, 2023, bids were received as follows:

	Base Bid	Allowance	Total Bid Price
H.A. Contracting Corporation.	**$399,900.00**	**$20,000.00**	**$419,900.00**
Gomez Construction Company	$649,240.00	$20,000.00	$669,240.00
H.W. Davis Construction Inc.	$673,855.00	$20,000.00	$693,855.00
Collage Design and Construction Group, Inc.	$750,000.00	$20,000.00	$770,000.00
Mejia International Group Corporation.	$953,300.00	$20,000.00	$973,300.00

Latest Reconciled Estimate: $1,107,040.00

H.A. Contracting Corporation has verified that they prepared their bid in accordance with all bid documents and addenda and will be able to complete the project for the amount bid and within the Aviation Authority's schedule.

The DBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Florida Department of Transportation Grant and Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 11 / 16 / 23 as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an award of the above-referenced project to H.A. Contracting Corporation in the total bid amount of $419,900.00.

Lump Sum Bid	$399,900.00
NTE Allowance	$20,000.00
TOTAL	**$419,900.00**
AAC-Compliance Review Date	11/14/2023 ZTG
AAC-Funding Eligibility Review Date	11/14/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Recommendation of Award of V-00982 MCO Campus Key and Lock Replacement to H.A. Contracting Corporation, Orlando International Airport

The Aviation Authority has set a 4% DBE participation goal for Project V-00982 MCO Campus Key & Lock Replacement. The Small Business Development Department has reviewed the bid from H.A. Contracting Corporation and determined that they proposed to achieve 30% DBE participation.

Our analysis indicates that H.A. Contracting Corporation is eligible for award of the subject award.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

DBE UTILIZATION FORM FOR 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 Award of V-00982 MCO Campus Key and Lock Replacement to H.A. Contracting Corporation, Orlando International Airport**

1. Construction Information:

Amendment Amount: **$419,900.00**

2. DBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	125,000.00	Actual Result	30%
Caucasian Female American	-	Actual Result	0%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total DBE Participation	**125,000.00**	**Actual Result**	**30%**

3.a. Prime Contractor Information:

Name: **H.A. Contracting Corporation**
Address: **9500 NW 12th Street, Bay 1**
City, State, Zip: **Doral, FL 33172**
Telephone: **(305) 591-9213**

3.b. Name and Address of DBE Subcontractor

Name: **Associated Cost Engineers of Delaware, Inc. DBA ACE Rebar and Construction**
Address: 801 North Pine Hills Road
City, State, Zip: Orlando, FL 32808
Telephone: 407-704-7803

3.c. *Identity: Black American
Work Item(s): Supervision / Quality Management
Amount of Subcontract $125,000.00
Percent of Prime Contract (%): 30%

4. Engineering/Professional Services Information:

Amendment Amount:

5. DBE 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 DBE Participation	**-**	**Actual Result**	

6.b. Engineering / Professional Service Firm Information:

Name:
Address:
City, State, Zip:
Telephone:

6.b. Name and Address of DBE Subconsultant

Name:
Address:
City, State, Zip:
Telephone:

6.c. *Identity:
Work Item(s):
Amount of Subcontract
Percent of Prime Contract (%):

*** In Items 3.c. and 6.c. above specify the identity of DBE Subcontractors and E/PS Firms (e.g. Black American, Hispanic American, Asian Subcontinent American, Asian Pacific American, Caucasian Female American, Native American & Other)**

SECTION 00 41 13 - BIDFORM

BID
FOR THE GREATER ORLANDO AVIATION AUTHORITY

Submitted By: H.A. Contracting Corp.
(Bidder's Name)

Date: 10/11/23

The undersigned Bidder, and under the provisions of its existing Continuing Agreement proposes to perform the work covered by the Bid Documents for the project, hereby certifies the following: (1) it has accurately identified all persons required by the applicable signature block; (2) this Bid is fair, in all respects, and made in good faith, without collusion or fraud; (3) no officer, employee or agent of the Authority and no spouse or child of an officer or employee of the Authority, has, or will have during the performance of the Contract, any material interest in the business of the Bidder, and (4) Bidder has no knowledge of any potential conflict of interest.

The Bidder further represents that it has examined the site of the Work and informed itself fully in regard to all conditions pertaining to the place where the Work is to be done, including security requirements; that it has examined the plans and specifications for the Work and other Bid Documents relative thereto and has read all of the Addenda furnished prior to the opening of the Bids, as acknowledged below; and that it has otherwise fully informed itself regarding the nature, extent, scope and details of the Work to be performed, including the conditions to be encountered.

If provided with a Notice of Intent to Award the Contract by the Owner, the Bidder shall execute and deliver to the Owner all of the documents required by the Bid Documents, including but not limited to, the Addendum to the Agreement and the Performance and Payment Bonds in the form contained in the Bid Documents, furnish the required evidence of the specified insurance coverages, furnish all necessary permits, licenses, materials, equipment, machinery, maintenance, tools, apparatus, means of transportation and labor necessary to complete the Work provided for in the Bid Documents for "V-00982, MCO Campus Key & Lock Replacement , Orlando International Airport," Orlando, Florida.

Bids may be rejected if they contain any qualifications, exceptions, objections or any modification whatsoever to the Bid Documents that have not been authorized by an Addendum.

The Bidder shall perform the Work specified herein within the time limits set forth in the Instructions to Bidders, which time limits the Bidder acknowledges as reasonable.

Bidder is aware that if the Bidder fails to complete the Work within the scheduled time as may be adjusted by Contract Modifications, the Bidder and its surety shall be liable for the amount of Liquidated Damages identified in the Instructions to Bidders.

Acknowledgment is hereby made of the following Addenda (identified by number) received since issuance of the Plans and Specifications:

ADDENDA	DATE
1	9/28/23

ADDENDA	DATE

MWBE,/LDB/VBE PROGRAM ACKNOWLEDGEMENT

~~By submitting a Bid on this Project, Bidder represents that it has reviewed and familiarized itself with the Owner's Minority and Woman-Business Enterprise Policy (MWBE) and the Local Developing-Business / Veteran Business Enterprise Program Policy (LDB/VBE). See the Invitation to Bid and Instructions to Bidders for the MWBE Participation Goal, the LDB/VBE Participation Goal.~~

DBE PROGRAM ACKNOWLEDGEMENT

By submitting a Bid on this Project, Bidder represents that it has reviewed and familiarized itself with the Owner's Disadvantaged Business Enterprise Participation Program (DBE). **See the Invitation to Bid and Instructions to Bidders for the DBE Participation Goal.**

SCRUTINIZED COMPANY CERTIFICATION

In the event this contract exceeds One Million Dollars, ($1,000,000.00), the Bidder hereby certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List as defined in Florida Statutes § 287.135.

TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10, "Text Messaging While Driving" (12/30/2009), FAA encourages recipients of Federal grant funds to adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers including policies to ban text messaging while driving when performing any work for, or on behalf of, the Federal government, including work relating to a grant or subgrant.

The Contractor must promote and conduct workplace safety initiatives for employees and other work personnel in a manner commensurate with the size of the business, such as:

a. Establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving; and
b. Education, awareness, and other outreach to employees about the safety risks associated with texting while driving.

The Contractor must insert this "Texting When Driving" language in each third party subcontract involved on this project.

PUBLIC ENTITY CRIMES ACT

The Contractor represents that it is not precluded from submitting a bid or proposal under Section 287.133(2)(a), which provides as follows: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal or reply on a contract to provide any goods or services to a public entity, may not submit a bid, proposal or reply on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount set forth in Florida Statutes s.287.017, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

DISCRIMINATORY VENDOR LIST

The Contractor represents that it is not precluded from submitting a bid or proposal under Section 287.134, which provides as follows: An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity unless that entity or affiliate has been removed from the list pursuant to Florida law.

FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) QUALIFICATION (if applicable)

The Contractor represents that neither it nor its affiliates have had their Certificate of Qualification suspended, revoked or denied by the FDOT, or determined by the FDOT to be a non-responsible contractor.

BID

FOR ALL WORK REQUIRED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS, SPECIFICATIONS AND OTHER BID DOCUMENTS, INCLUDING ALL COSTS RELATED TO THE WORK, AND ANY REQUIRED PERMITS, TAXES, BONDS AND INSURANCE, THE UNDERSIGNED SUBMITS:

BID SCHEDULE

Pay Item No	Description	Unit	Quantity	Total
1	MOBILIZATION	LS	1	$20,000
2	GENERAL CONDITIONS/GENERAL REQUIREMENTS	LS	1	$40,000
3	LOCK CORE REPLACEMENT	EA	13,400	$180,000
4	STORED MATERIALS MANAGEMENT / INVENTORY	LS	1	$78,000
5	CORE PINNING	NTE	600	$6,000
6	DATA MANAGEMENT VIA OWNER-PROVIDED iPAD	EA	13,400	$75,900

Contractor's Bid: $ 399,900

7	ALLOWANCE – HARDWARE REPAIR/ REPLACEMENT	EA	1	$20,000.00

Base Bid: $ 419,900
(Base Bid is the Contractor's Bid plus Allowances, if any.)

TOTAL BID PRICE: $ 419,900

Four hundred nineteen thousand nine hundred **Dollars**

(Bidder's Signature)

President
(Bidder's Title)

10/11/23
(Date)

hangelo4@hacontracting.com
(Email)

(If Bidder is a corporation, complete this signature block)
Fill in the name of the corporation, followed by the signature of the officer signing on behalf of the corporation, name and officer's title and Secretary attestation.

The below Corporation is organized and existing under the laws of the State of Florida, authorized by law to make this bid and perform all work and furnish materials and equipment required under the Contract Documents, and is authorized to do business in the State of Florida.

Federal ID # 59-2283147

H.A. Contracting Corp.
(Name of Corporation)

Phone: 305-591-9212

By: Henry Angelo III
(Signature of Corporate Officer)

Fax: 305-591-9630

Name: Henry Angelo III
(Please print legibly or type)

Date: 10/11/23

Title: President

Address: 9500 NW 12th Street, Bay 1, Doral, FL 33172

H.A. CONTRACTING CORP. CORPORATE SEAL FLORIDA
(Affix Corporate Seal)

Attest: _____
(Secretary)

The full name, address and title of every Officer of the Corporation (including the President, Vice President, Secretary, and Treasurer) is as follows (attach additional pages if necessary):

Name	Address	Title
Henry Angelo III	9500 NW 12th Street, Bay 1, Doral, FL 33172	President
Nicholas Angelo	9500 NW 12th Street, Bay 1, Doral, FL 33172	Vice President

SECTION 00 41 13.13 - EXHIBIT A

Bidder: _____

SCHEDULE OF MWBE SUBCONTRACTOR PARTICIPATION OF TOTAL BID PRICE

	"A"	"B"	"C"	"D"	"E"
	NAME OF CERTIFIED MWBE FIRM, MANUFACTURER, VENDOR/SUPPLIER	ADDRESS AND PHONE NUMBER	SCOPE OF WORK	ESTIMATED SUBCONTRACT AMOUNT ($)*	VENDOR/SUPPLIER SUBCONTRACT AMOUNT ($)**
1					
2					
3					
4					
5					
6					
7					
			TOTALS		
	Example Firm, Manufacturer,			$100	
	Example Vendor/Supplier			$60	$100

*"D" Show MWBE Bid Values: The Bid value in this column for Vendor/Supplier Subcontracts is shown as 60% of column "E" 100% value.
** "E" Show MWBE Vendor/Supplier Values: Full Subcontractor Bid Amount

The undersigned will enter into a formal agreement with the above MWBE subcontractors for work listed in the schedule conditioned upon execution of a contract with the Owner.

By: _____

SECTION 00 41 13.14 - EXHIBIT B

Bidder: _____

SCHEDULE OF LDB/VBE SUBCONTRACTOR PARTICIPATION OF TOTAL BID PRICE

	"A"	"B"	"C"	"D"	"E"
	NAME OF CERTIFIED LDB/VBE FIRM, MANUFACTURER, VENDOR/SUPPLIER	ADDRESS AND PHONE NUMBER	SCOPE OF WORK	ESTIMATED SUBCONTRACT AMOUNT ($)*	VENDOR/SUPPLIER SUBCONTRACT AMOUNT ($)**
1					
2					
3					
4					
5					
6					
7					
			TOTALS		
	Example Firm, Manufacturer,			$100	
	Example Vendor/Supplier			$60	$100

*"D" Show LDB/VBE Bid Values: The Bid value in this column for Vendor/Supplier Subcontracts is shown as 60% of column "E" 100% value.
** "E" Show LDB/VBE Vendor/Supplier Values: Full Subcontractor Bid Amount
The undersigned will enter into a formal agreement with the above LDB/VBE subcontractors for work listed in the schedule conditioned upon execution of a contract with the Owner.

By: _____

SECTION 00 41 13.15 - EXHIBIT C

Bidder: H.A. Contracting Corp.

Total Base Bid Price: $ 419,900

SCHEDULE OF DBE SUBCONTRACTOR PARTICIPATION OF TOTAL BASE BID PRICE

	"A"	"B"	"C"		"D"	"E"
	NAME OF CERTIFIED DBE FIRM, MANUFACTURER, VENDOR/SUPPLIER	**ADDRESS AND PHONE NUMBER**	**SCOPE OF WORK**	**NAICS CODE**	**SUBCONTRACT AMOUNT ($)***	**VENDOR/SUPPLIER SUBCONTRACT AMOUNT ($)****
1	Associated Cost Engineers, Inc. of Delware dba Ace Rebar & Construction	801 N Pine Hills Rd, Orlando, FL 32808	Supervision / Quality Management	236220 238120	$125,000	$125,000
2						
3						
4						
5						
6						
				DBE TOTAL:	$125,000	
	Example Firm/Manufacturer				$100	
	Example Vendor/Supplier				$60	$100

**"D" Show DBE Bid Values: The Bid value in this column for Vendor/Supplier Subcontracts is shown as 60% of column "E" 100% value.
** "E" Show DBE Vendor/Supplier Values: Full Subcontractor Bid Amount**

SECTION 01 11 00 - SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and General Conditions of Contract, including other Division 1 Specification Sections, apply to this Section.

1.2 PROJECT DESCRIPTION

A. Project/Work Identification:

1. The General overall description of the Work of the Contract for the:

   V-00982 MCO CAMPUS KEY & LOCK REPLACEMENT
   Orlando International Airport
   Orlando, Florida

   can be summarized for purposes of administration and payment in the manner of project segments as follows:

2. The Project consists of replacing the lock and key system for the entire MCO Campus at the Orlando International Airport. The Contractor will manage the installation, switch out the cores, and manage the key management system.

3. PROJECT DESCRIPTION: The Contractor will have 150 days to replace all Orlando International Airport campuswide door lock cores (approximately 13,000) with new Owner-provided cores, and according to OAR-provided Building Priority List and Door Survey (BPL/DS). This replacement will include the detailed documentation of new cores installation using Owner-provided iPad devices.

   a. Storage and Accountability: The Contractor will receive, inventory, securely store, and track all new cores at the Owner's designated onsite storage facility and be given sole accss to stored materials.
      1) The Contractor will inventroy and sign for cores as they arrive from the manufacturer according to the BPL/DS.
      2) The Contractor will be responsible for transporting only the cores needed to meet the BPL/DS daily work schedule from storage facility to designated building and track them at the building until installed.
   b. Installation and Verification: The Contractor will remove old cores and store them for turn-in to the Owner's "Lock Shop" and install new cores per the OAR's BPL/DS.
      1) The new cores will be matched and verified with door numbers prior to the old core removal and installation.
      2) Any questions, discrepancies, or conflicts hindering the new core installation will be communicated to the OAR. The old core will not be removed, and the issue documentated on the iPad device. The door will be skipped until the OAR can resolve the issue.

3) Examples – missing doors, missing door numbers, fitting issues, etc.

c. Once new cores are installed, the core and door number will be annotated on the iPad device and a picture of the door (to include door number and new core) will be taken with the iPad device.

d. Old cores will be stored by the Contractor, labeled by type, and turned over at the end of the project.

e. Data stored on the iPad will be uploaded/provided to the OAR on a weekly basis.

1.3 CONTRACTOR USE OF PREMISES

A. Limit use of the premises to construction activities within areas indicated; allow for any Owner and tenant occupancy, and use by the public.

1. Minimize any disruption to all operating areas, including parking areas.

   a. Existing public services and utility systems shall remain in operation during the construction period, excluding times required for installation of new work unless specifically allowed by the Contract.

   b. Schedule and coordinate outages and interruptions of public service with the OAR. See the specific forms for processes and time constraints. Utilize the following forms:

      1) Form #018 System Interruption/Utility Outage Notification.
      2) Form #018a System Interruption/Utility Outage Notification Procedured.
      3) Form #018b Roofing Impact Notification
      4) Form #018c Security System Interruption/Outage Request

2. Provide all temporary directional signage, safety, and barricading required for passenger services.

   a. Submit a plan indicating signage, safety, and barricading for access routes, storage areas and work sites, at the pre-construction meeting.

   b. Directional signing at the access gate and or along the delivery route to the storage area or work site shall be as directed by the OAR.

3. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.

4. Access to site shall be shown on the plans or as directed by the OAR. Do not permit any unauthorized construction personnel or traffic on the site. Provide for traffic control to and from the various construction areas. Immediately clean-up any debris deposited along the access road as a result of construction traffic.

   a. Keep driveways and entrances serving the premises clear and available to the Owner, Tenant, their employees at all times, and the public. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

5. All material orders for delivery to the site will use as a delivery address the access point at the Contractor's storage site.

a. Coordinate with the OAR and allow for the least possible disruption of the facilities normal operations for delivery of materials and removal of demolished and discarded materials.
b. Delivery of materials and removal of demolished and discarded materials shall be scheduled as follows:

1) Schedule and coordinate all deliveries and removal of debris between the hours of 8:00 AM and 6:00 PM each day of the work week.

6. The limits of construction material storage areas, equipment storage areas, and parking areas shall be as indicated in the documents or as directed by the OAR. Erect and maintain suitable fencing, marking and warning devices suitable for both day/night use to delineate the perimeter of all such areas. Refer to specification Section 01 55 30 Requirements for Use of Canal Road.

a. Parking management cards may be used to provide contractor parking in the terminal garages and terminal top parking. These cards will cost $60 per card per month, taxes not included.

B. Use of the Existing Building: Maintain the existing building in a weathertight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.

1.4 OWNER OCCUPANCY

A. Full Owner Occupancy: The Owner, its tenants, and the public will occupy the site and existing building and adjacent facilities (outside the limits of the construction area unless specified) during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts, facilitate occupancy usage, and protect persons and property in the project area during the entire construction period. Perform the Work so as not to interfere with the Owner's operations.

1. All work may be carried out without time restrictions, unless otherwise directed by the OAR/Owner.
2. Working hours and working areas must be coordinated and approved by the OAR/Owner.

1.5 LAWS, PERMITS, AND REGULATIONS

A. Comply with all applicable laws, ordinances, regulations, codes, ADA requirements.

B. Obtain and pay for all license and permits, all fees and charges for connection to outside services and parking for Contractor's vehicles.

C. Abide by FAA and Owner’s safety and security regulations and procedures relative to access to, and work in, Airport Operations Areas and secured facilities.

D. Comply with Owner’s insurance requirements.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 01 11 00

SECTION 01 21 00 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and General Conditions of the Contract, including other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements governing allowances.

B. All applicable allowances are listed on the Bid Form.

1.3 SCOPE, SELECTION AND PRICING

A. For each Work item covered by an allowance, including concealed conditions, the Contractor shall submit a Request for Change Order (RCO) at the earliest practical date after award of the Contract or upon discovery of the condition. The RCO shall include the scope of work, the schedule and the amount of allowance to be used for the Work item. The OAR will process a Contract Modification for the Work item in accordance with the terms of the Contract. Note that the General Conditions outline the various types of Contract Modifications as well as various methods of payment, including Force Account provisions.

B. At the OAR's request, submit proposals for each applicable allowance item for use in making final selections. Include recommendations that are relevant to performing the Work.

C. Purchase products and systems selected by the OAR. Do not begin Work on an item covered by an allowance until a Contract Modification has been authorized by the Owner.

1.4 SUBMITTALS

A. General: Submit proposals for the work included in allowances, in the form specified for Change Orders.

1. Submit invoices or delivery slips to show the actual quantities of materials delivered to the site for use in fulfillment of each allowance.

1.5 ALLOWANCES

A. Use the allowance only as directed by the OAR or Owner for the Owner's purposes. The inclusion of Allowances in the Contract is not a guarantee that payment will be made for any amount of the allowance unless the Owner has determined there has been full compliance with the Contract Documents for each Allowance.

B. Allowances shall only include the Contractor's direct costs and mark-up in accordance with the Changes in the Work Article of the General Conditions.

1.6 UNUSED ALLOWANCES

A. At Project close-out, credit all unused Allowance monies to the Owner by Change Order.

PART 2 - PART 2 - PRODUCTS (Not Applicable)

PART 3 - PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine products covered by an Allowance promptly upon delivery for damage or defects. Report findings and proposed corrective action to the OAR in writing.

3.2 PREPARATION

A. Coordinate all work for each Allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

7	ALLOWANCE – HARDWARE REPAIR/ REPLACEMENT	EA	1	$20,000.00

END OF SECTION 01 21 00

November 1, 2023

Scott Shedek, P.E.
Vice President of Construction
Greater Orlando Aviation Authority
11312 Terminal C Service Rd., Bldg.16
Orlando, FL 32824

Reference: Recommendation to Award
V-00982, MCO Campus Key & Lock Replacement
Orlando International Airport

Dear Mr. Shedek:

On October 11, 2023, at 2PM, the Greater Orlando Aviation Authority (Authority) received bids on the above-noted project. A total of five (5) bids were received as follows:

H.A. Contracting Corporation	$419,900.00
Gomez Construction Company	$669,240.00
H. W. Davis Construction, Inc.	$693,855.00
Collage Design and Construction Group, Inc.	$770,000.00
Mejia International Group Corporation	$973,300.00
Eng.neer's Estimate	$1,107,040.00

The apparent low bidder is H.A. Contracting Corporation with a Total Bid of $419,900.00, which is approximately 51.9% below the Engineer's Estimate of construction costs. PSA Management, Inc. has reviewed the bids and also performed a post-bid interview with H.A. Contracting to review their methodology supporting their bid.

H.A. Contracting Corporation acknowledged Addendum 1 and submitted other required proposal documentation. There were no additional addendums for this bid.

Mr. Tuan Nguyen, P.E.
Greater Orlando Aviation Authority

The bid has been discussed with H.A. Contracting Corporation and they are fully committed and confident about executing the work. Notwithstanding the Authority's review of the documentation, as well as the Authority's Legal Counsel, PSA Management, Inc. recommends Award of the Contract to **H.A. Contracting Corporation** for the Total Bid amount of **$419,900.00,** based on the availability of funding from the Authority.

We stand ready to assist the Authority in the implementation of this project. Should you have any questions or require additional information, please do not hesitate to call.

Sincerely,

PSA MANAGEMENT, INC.

Don Corthell, Sr. Project Manager

Attachment: Bid Tabulation

DATE: October 11, 2023 TIME: 2:00 p.m. Bid Form (Continuing)

PROJECT NO.: V-00982 PROJECT NAME: MCO CAMPUS KEY & LOCK REPLACEMENT

Bidding Contractors	Addendum No. 1 (Issued 09/28/2023)	Exhibit C (00 41 13.15) Schedule of DBE Subcontractor Participation	BASE BID	ALLOWANCE	TOTAL BID PRICE
H.A. Contracting Corporation	X	X	$ 399,900.00	$ 20,000.00	$ 419,900.00
Gomez Construction Company	X	X	$ 649,240.00	$ 20,000.00	$ 669,240.00
H. W. Davis Construction, Inc.	X	X	$ 673,855.00	$ 20,000.00	$ 693,855.00
Collage Design and Construction Group, Inc.	X	X	$ 750,000.00	$ 20,000.00	$ 770,000.00
Mejia International Group Corporation	X		$ 953,300.00	$ 20,000.00	$ 973,300.00
Clancy & Theys Construction Co.					**Did Not Bid/Attended Bid Opening**
Johnson-Laux Construction, LLC					**Did Not Bid**
LEGO Construction Co.					**Did Not Bid**
McCree Design Builders, Inc.					**Did Not Bid**
Ovation Construction Company					**Did Not Bid**
RUSH Facilities, LLC					**Did Not Bid**
T & G Corporation dba T & G Constructors					**Did Not Bid**
The Roderick Group, Inc. dba Ardmore Roderick					**Did Not Bid**
Volum Construction, LLC					**Did Not Bid**
Designer's Estimate:			**$ 1,107,040.00**		

Project Manager: _____
Don Corthell, PSA Management

GOAA Construction _____
Torie Brooks, Assistant Vice President of Construction

HARD COPY

Patrick Caiazzo (All Original Bids, Bid Tab & 1 Copy of Apparent Low Bid)

VIA E-MAIL (PDF of Bid Tab & All Bids)

Max Marble / Scott Shedek / Torie Brooks

Rob Furr / Tuan Nguyen

Debbie McKeown / Tara Ciaglia / Kathy Anderson / Danielle Plummer

Iranetta Dennis, Travaris McCurdy, Edelis Molina & Melanie Alves

GOAA Senior Project Manager (SPM)

Karen Ryan, Legal Counsel (Nelson Mullins Broad & Cassel)

A/E and OAR

Project Controls

OAR Summary of Probable Construction Costs
V-00982 MCO Campus Key & Lock Replacement 15-Aug-23

				Materials		Labor			
Item No.	**Contractor Core Replacement**	**Qty**	**Units**	**Unit Cost**	**Material Cost**	**Man hours**	**Unit Cost**	**Labor Cost**	**Subtotals**
1	Replace 13,400 Owner furnished cores. 4 teams of 2 (8) x 6 months	13400	EA	$ -	$ -	8320	$ 45.00	$ 374,400.00	$ 374,400.00
	Manage cores delivery and disbursement	6	M	$ 950.00	$ 5,700.00	2200	$ 45.00	$ 99,000.00	$ 104,700.00
	Misc. hardware replacement (allowance funded)	1	EA	$ 10,000.00	$ 10,000.00	200	$ 45.00	$ 9,000.00	$ 19,000.00
	Data entry on ipads	1	EA	$ -	$ -	1000	$ 45.00	$ 45,000.00	$ 45,000.00
				$ -	$ -		$ -	$ -	$ -
				$ -	$ -		$ -	$ -	$ -
				$ -	$ -		$ -	$ -	$ -
				$ -	$ -		$ -	$ -	$ -
4				$ -	$ -		$ -	$ -	$ -
5				$ -	$ -		$ -	$ -	$ -
				$ -	$ -		$ -	$ -	$ -
7				Materials	$ 15,700.00	11720	Labor	$ 527,400.00	
8				7% Tax	$ 1,099.00		Burden	$ 221,508.00	
9				Total Mat.	$ 16,799.00		Labor Total	$ 748,908.00	
23								**SUBS-Total**	**$ 765,707.00**
24									
25	**Contractor Support**			**Labor/Misc.**				Total GC Mat. & Labor	$ 92,130.00
26	Working Foreman	0	HRS	$ 45.00	$ -			Total GC and Sub	$ 857,837.00
27	Support personnel	1000	Hrs	$ 45.00	$ 45,000.00			GC Mark-up 15%	$ 128,675.55
28	Construction Clean-up	1	LS	$ 3,500.00	$ 3,500.00			25% Conting	$ 32,168.89
29	Carts	6	MO	$ 225.00	$ 1,350.00			**Grand Total**	**$1,018,681.44**
30	Phone x 8	6	MO	$ 135.00	$ 6,480.00				
31	Truck x 4	6	MO	$ 850.00	$ 20,400.00				
34	Coordination			$ -	$ -				
35				Labor	$ 45,000.00				
36				Burden 42%	$ 18,900.00				
37				Equipment	$ 28,230.00				
38				Total GC	$ 92,130.00				

Project Start-Up Cover Sheet

Date:	7/28/22	**Revision:**	0	**Project No:**	V-00982
Project Name:	MCO CAMPUS KEY & LOCK REPLACEMENT				
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: Brian Gilliam x 7170

OAR Contact Name & Phone: John Goodbody x 1535

Life Expectancy of Project: 20 **(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	$ 1,200,000.00		$ 1,200,000.00	
OAR Fees – Design				
OAR Fees – Construction	$ 300,000.00		$ 300,000.00	
Misc (Adv., Permits, OUC)	$ 1,500,000.00		$ 1,500,000.00	
Contingency	$ 100,000.00		$ 100,000.00	
Sub Totals:	$ 3,100,000.00	$ 0.00	$ 3,100,000.00	
Grand Total:	$ 3,100,000.00			

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 Grar				
FDOT				
Other Federal Gr				
FAA/AIP				
TSA				

Grand Total $ 0.00

APPROVALS:

Chief Financial Officer

Chief Executive Officer

PROJECT START-UP PACKAGE FOR V-00982-MCO

PROJECT ASSESSMENT FORM (PAF)

Coding by Construction Finance :

Short Name:	
Template:	
Campus:	
Cost Center:	
Organization:	
Program:	
Subprogram:	

DATE: July 28, 2022

TO: Kevin J. Thibault, P.E, Chief Executive Officer

FROM: Brian Gilliam, Director of Security

SUBJECT: **Project Start-Up**

V-00982-MCO MCO CAMPUS KEY & LOCK REPLACEMENT
Orlando International Airport

PROGRAM: Airport Security Improvement Program / Airport Security Improvement Program at OIA (FIP)

DESCRIPTION OF PROJECT:

SPONSOR: Security

GOAA will purchase and provide as owner-furnished equipment, lock cores, ancillary equipment, accessories, and other requirements to replace the lock and key system for the entire MCO Campus at the Orlando International Airport. A contractor will be retained to manage the installation, switch out the cores, and manage the key management system.

PROPOSED DELIVERY METHOD: (Proposed)

A/E: NONE

Construction: Traditional Design / Bid / Award

OAR Design Phase: PSA Management Inc.

OAR Constr. Phase: PSA Management Inc.

PROJECT PRIORITY: High Priority

SCHEDULE: (See Details under "CURRENT STATUS" Below)

Advertise:		
Pre-Bid Conference:		
Bid Opening:		
Ant. Notice to Proceed:	01/09/2023	
Ant. Subst. Completion:	07/07/2023	**180 Calendar Days**
Ant. Final Completion:	08/06/2023	**30 Calendar Days**

LIFE EXPECTANCY OF PROJECT: 20 Years

FUNDING: FDOT,GARBS (General Account Revenue Bonds),LOC (Line of Credit)

CONTROL BUDGET:

Task	$ Amount	BY CONSTRUCTION FINANCE: $ FUNDED	$ UNFUNDED	Comments
A/E Consultant Fees - Design Phase (Base)	$0.00			
A/E Consultant Fees - Construction Phase (Base)	$0.00			
Construction	$1,200,000.00			
OAR Fees - Design Phase	$0.00			
OAR Fees - Construction Phase	$300,000.00			
Miscellaneous	$1,500,000.00			
Contingency	$100,000.00			
TOTAL	**$3,100,000.00**			

Comments by Construction Finance

FAA/AIP				
FDOT				
PFCs				
Authority Funds				
Other Funds				
TOTAL				

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

PROJECT START-UP PACKAGE FOR V-00982-MCO

CURRENT STATUS:

STATUS: An.icipate direct negotiations with continuing contractor TBD.

FUNDING: FDOT, LOC, GARBS

SCHEDULE:
10/07/22 Receive approval to bid
10/09/22 Advertise for bids
10/18/22 Pre-bid meeting
11/09/22 Bid opening
11/29/22 Receive approval to award from CC
12/14/22 Receive approval to award from Board (If > $250k)
01/09/23 Complete contract execution
01/09/23 Issue Construction NTP (effective date)
07/07/23 Substantial Completion (calendar days from NTP)
08/06/23 Final Completion (calendar days from Subst.)

DRB (DISPUTE REVIEW BOARD):

DRB requirement IS NOT anticipated.

SYSTEMS / AREAS AFFECTED:

Security (Incl. Access Ctrl & AOA Fence)	Security (Incl. Access Ctrl & AOA Fence)
Tenant/Airline Space	Tenant/Airline Space

ANTICIPATED PERMITS:

PERMITS

Agency :	Type Of Permit:	Permit No:	Issued:	Expires:	Final:	Comments:	Address:
No Permits Required							

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

PROJECT START-UP PACKAGE FOR V-00982-MCO

REVIEWED BY:

Date: _____

Brian Gilliam,Director of Security

SPONSORING DEPARTMENT (Per Policy 430.04)

Date: _____

Brian Gilliam,Director of Security (Project Manager)

Date: _____

Brian Gilliam,Director of Security

Date: _____

Stan Thornton,

ENGINEERING & CONSTRUCTION SENIOR STAFF:

Date: _____

Mark Birkebak, Director of Engineering

Date: _____

Scott Shedek, Director of Construction

Date: _____

Davin D. Ruohomaki, Senior Director of Engineering & Construction

FOR CONSTRUCTION FINANCE USE ONLY:

Date: _____

Kathleen M. Sharman, Chief Financial Officer

Date: _____

Kevin J. Thibault, P.E, Chief Executive Officer

If signing as a Temporary Designee, attach a copy of authorization memo (or e-mail)

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Robert Furr, Vice President of Engineering and Architecture**
(Prepared by Ross Spence, OAR)

Date: **November 21, 2023**

Re: **Request for Approval of an Addendum to the General Consulting Services Professional Agreement with Ricondo & Associates, Inc. for W-00496 North Terminal Refresh for Airsides 1, 2, and 3 Restroom Improvements at Orlando International Airport**

Consultant's proposal, dated 11/10/2023, is to provide services for the preparation of a design criteria package for improvements to restrooms at Airsides 1, 2 and 3 Buildings located at the North Terminal Complex. The Consultant will provide a Preliminary Engineer's Report including design criteria in accordance with GOAA EDC-23.

If approved, these services would be effective on 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:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by _____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the General Consulting Services Agreement with Ricondo & Associates for the services contained herein and the amount as shown below:

Not to Exceed Fees	$195,345.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$195,345.00**
AAC – Compliance Review Date	
AAC – Funding Eligibility Review Date	

CC
ITEM IV-G
11/21/2023

RICONDO®

November 10, 2023

Mr. Scott Shedek, P.E.
Vice President of Construction
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, FL 32824

RE: Restroom Improvements Airsides 1, 2 and 3
Design Criteria Package

Dear Mr. Shedek:

Ricondo & Associates, Inc. (Ricondo), Studio for Architecture, Inc., ~~and KMI, Inc~~. appreciate the opportunity to submit this proposal to assist the Greater Orlando Aviation Authority (GOAA) with the preparation of a design criteria package for improvements to restrooms at Airsides 1, 2 and 3. The project is to include renovations to existing restrooms at Airsides 1, 2 and 3. The project will also include new restrooms at Airsides 1 and 3 near the Hub. As a part of our scope of work we have included a site visit for all 3 Airsides to review previously generated concepts and determine preferred concepts for each Airside. The basis for this proposal includes information sent to Ricondo in an email dated October 19, 2023 and is attached to this proposal letter. It is assumed that the project will be completed as one Design Criteria Package. Tasks to be performed by the Ricondo Team include:

- Collect information relevant to the project including, but not limited to, as-built drawings
- Identify and review applicable codes and standards and, as needed, consult with the Authority having jurisdiction
- Conduct a site visit for discovery and conditions assessment
- Assess Capacity of Existing Infrastructure:

— Mechanical: Assessment of the existing HVAC systems to determine their capacity to handle the additional load from the expanded areas. This includes evaluating air handling units, ductwork, and ventilation systems.

— Electrical: Review of the existing electrical distribution system, lighting, and power outlets. This will determine if the current system can support the added electrical loads or if upgrades are necessary.

— Plumbing: Examination of the existing plumbing infrastructure, including water supply, drainage, and waste systems. This will identify if the current plumbing can support the additional fixtures and increased water demand.

— Fire Protection: Evaluation of the existing fire alarm and sprinkler systems to ensure they can be extended to cover the expanded areas and meet all safety standards

- Refinement, Evaluation, and selection of a preferred concept for each airside:

— The restrooms improvements that were previously recommended will be refined, as needed, to incorporate recent improvements to the airsides and to incorporate new design ideas or recommendations.

— The options for each airside will be evaluated in terms of their ability to improve the customer experience, as well as potential impacts to passenger flows, etc. A set of evaluation criteria will be developed jointly by GOAA and the Ricondo Team for use in analyzing and evaluating each option selected for further evaluation during the initial screening. The Ricondo Team will compile this evaluation into a decision matrix for the Authority's review.

— Selection of a preferred option for each airside: one in-person workshop will be conducted with GOAA staff to review and evaluate the options to be developed for Airsides 1, 2, and 3.

- Identify constraints that may impact the project as it relates to applicable codes and standards
- Consideration of existing operations and GSE and other apron operations will be coordinated so that the proposed new restroom additions will not impact operations.
- Once the above noted workshop is completed and a preferred restroom design option is selected for each airside, an additional scope and fee will be submitted for a detailed cost estimate.

- Prepare design criteria in accordance with GOAA EDC-23
- In addition to the workshop, conduct up to five virtual meetings with GOAA engineering to discuss existing conditions, applicable codes and standards, and proposed design criteria

Deliverable

PowerPoint Presentation summarizing the refined restroom improvement options that were evaluated including evaluation criteria, cost estimates, etc. This presentation will also include the findings of the capacity assessment and other relevant information from the site visits.

Preliminary Engineer's Report including design criteria in accordance with GOAA EDC-23 in PDF Format

Exclusions

- Construction Administration Services
- Owner's Authorized Representative Services
- Civil Engineering
- Project Permitting
- Site Surveys
- Asbestos, Lead, and or other Hazardous Materials Assessment

Schedule

The scope of services presented above will be completed within 12 calendar weeks from Notice-to-Proceed (NTP).

Professional Fees

As noted in **Table 1**, the ~~total lump sum~~ Not to Exceed fee for the proposed services is $195,345.00 The professional fee breakdown for Ricondo, Studio for Architecture, and ~~KMI~~ is included in Appendix A.

TABLE 1 – BUDGET ESTIMATE – LABOR AND REIMBURSABLE EXPENSES

FIRM	COST
Ricondo & Associates, Inc. Labor	$ $55,050.00
Ricondo & Associates, Inc. Not to Exceed Reimbursable Expenses	N/A
Studio for Architecture, Inc. Labor	$ 90,183.00
Studio for Architecture, Inc. Not to Exceed Reimbursable Expenses	N/A
SGM Engineering, Inc. Labor	$50,112.00
SGM Engineering, Inc. Not to Exceed Reimbursable Expenses	N/A
TOTAL COSTS	**$ 195,345.00**

We appreciate the opportunity to continue serving and supporting GOAA. If you require additional information regarding this proposal, please contact me at 407-446-3007 or via email at scarreau@ricondo.com.

Sincerely,

RICONDO & ASSOCIATES, INC.

Sébastien Carreau
Director

TRUTH IN NEGOTIATION CERTIFICATION
BREAKDOWN OF PROFESSIONAL FEES
STUDIO FOR ARCHITECTURE PROPOSAL
SGM ENGINEERING PROPOSAL

~~KMI ESTIMATING PROPOSAL~~
WBE CERTIFICATE STUDIO for ARCHITECTURE
GOAA EMAIL DATED OCTOBER 19, 2023
cc: 21041212; Robert Furr; Ross Spence

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 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 (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 Aviation Authority, whichever is later.

Consultant: Ricondo & Associates, Inc.

By:

Print Name: Pete Ricondo, P.E., Senior Vice President

Date: 10/30/2023

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE
DCP Preparation Airsides 1, 2 3 Restroom Improvements

Phase of Project:	Site Verification	Concept Development Project Definition	Criteria Package	DCP Bidders Questions	TOTAL CONTRACT
1.0 Lump Sum Fee:					
2.0 Not to Exceed Professional Fees:	$19,869.00	$73,568.00	$90,198.00	$11,710.00	**$195,345.00**
3.0 Not to Exceed Reimbursable Expenses:	$0.00	$0.00	$0.00	$0.00	**$0.00**
4.0 TOTAL CONTRACT VALUE:	**$19,869.00**	**$73,568.00**	**$90,198.00**	**$11,710.00**	**$195,345.00**

Total Lump Sum Labor Hours:					
Total Not to Exceed Professional Labor Hours:	145	508	690	79	**1,422**
TOTAL LABOR HOURS:	**145**	**508**	**690**	**79**	**1,422**
Average Hourly Rate:					$137

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-2
SUMMARY OF NOT TO EXCEED PROFESSIONAL FEES

Phase of Project:	Site Verification		Concept Development Project Definition		Criteria Package		DCP Bidders Questions		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Ricondo & Associates, Inc.											
Not to Exceed Fee Subtotal	12	$3,092	134	$28,828	80	$20,038	12	$3,092	238	$55,050	$231
Studio For Architecture											
Not to Exceed Fee Subtotal	133	$16,777	246	$30,268	286	$34,520	67	$8,618	732	$90,183	$123
SGM Engineering											
Not to Exceed Fee Subtotal			128	$14,472	324	$35,640			452	$50,112	$111
Total Not to Exceed Amount:	**145**	**$19,869**	**508**	**$73,568**	**690**	**$90,198**	**79**	**$11,710**	**1422**	**$195,345**	**$137**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-3
BREAKDOWN OF NOT TO EXCEED PROFESSIONAL FEES
Ricondo & Associates, Inc.

RICONDO & ASSOCIATES, INC.	OFFICER		SENIOR DIRECTOR		DIRECTOR		SENIOR CONSULTANT		TECHNICAL EDITOR		TOTAL		
Rate ($/Hour):	$340		$295		$239		$139		$138		labor hours	Cost	Avg. Hourly Rate
	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost			
Site Verification													
Site Visit and Documentation			4	$1,180	8	$1,912					12	$3,092	$258
Concept Development Project Definition													
Review GOAA Concepts with Design Team	2	$680	4	$1,180	16	$3,824					22	$5,684	$258
Develop and Evaluate Alternatives (Including Apron area PBB and GSE)	2	$680	4	$1,180	24	$5,736	36	$5,004			66	$12,600	$191
Owner Meetings			4	$1,180	8	$1,912					12	$3,092	$258
Review Package with GOAA			2	$590	4	$956					6	$1,546	$258
QA/QC Review	2	$680	2	$590	8	$1,912			8	$1,104	20	$4,286	$214
DRT submittal and Presentation			2	$590	2	$478			4	$552	8	$1,620	$203
Subtotal	6	$2,040	18	$5,310	62	$14,818	36	$5,004	12	$1,656	134	$28,828	$215
Criteria Package													
Owner Meetings	2	$680	4	$1,180	8	$1,912					14	$3,772	$269
Design Team Review of Package Development	2	$680	8	$2,360	16	$3,824					26	$6,864	$264
QA/QC Review	2	$680	4	$1,180	16	$3,824			8	$1,104	30	$6,788	$226
Review with GOAA			2	$590	2	$478					4	$1,068	$267
Incorporate GOAA comments			2	$590	4	$956					6	$1,546	$258
Subtotal	6	$2,040	20	$5,900	46	$10,994			8	$1,104	80	$20,038	$250
DCP Bidders Questions													
Review and Respond to Bidders Questions			4	$1,180	8	$1,912					12	$3,092	$258
TOTAL	**12**	**$4,080**	**38**	**$13,570**	**108**	**$29,636**	**36**	**$5,004**	**20**	**$2,760**	**238**	**$55,050**	**$231**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position:	Vice President		Sr. Project Manager		Project Manager		Sr. Project Architect		Project Architect		Project Architect		TOTAL		
Rate ($/Hour):	$138.00		$137.00		$128.00		$118.00		$85.00		$0.00				
GOAA North Terminal Restroom Modifications	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Site Verification															
Architectural Planning Studies	4	$552	20	$2,740	4	$512	0	$0	8	$680	0	$0	36	$4,484	$125
Site Visits	4	$552	24	$3,288	0	$0	0	$0	8	$680	0	$0	36	$4,520	$126
Preliminary Design Options	4	$552	30	$4,110	4	$512	0	$0	8	$680	0	$0	46	$5,854	$127
Design Review with Owner	4	$552	5	$685	4	$512	0	$0	2	$170	0	$0	15	$1,919	$128
Sub-Total Field Evaluation	**16**	**$2,208**	**79**	**$10,823**	**12**	**$1,536**	**0**	**$0**	**26**	**$2,210**	**0**	**$0**	**133**	**$16,777**	$126
Concept Development															
Schematic Design Development	10	$1,380	40	$5,480	10	$1,280	0	$0	20	$1,700	0	$0	80	$9,840	$123
Review Meeting	4	$552	16	$2,192	4	$512	0	$0	16	$1,360	0	$0	40	$4,616	$115
Design Criteria Development	8	$1,104	40	$5,480	20	$2,560	0	$0	20	$1,700	0	$0	88	$10,844	$123
Draft Review	6	$828	24	$3,288	4	$512	0	$0	4	$340	0	$0	38	$4,968	$131
Sub-Total Report Preperation	**28**	**$3,864**	**120**	**$16,440**	**38**	**$4,864**	**0**	**$0**	**60**	**$5,100**	**0**	**$0**	**246**	**$30,268**	$123
Design Criteria Development															
Final Draft Development	10	$1,380	40	$5,480	20	$2,560	0	$0	30	$2,550	0	$0	100	$11,970	$120
Final Review and Comments	8	$1,104	28	$3,836	20	$2,560	0	$0	30	$2,550	0	$0	86	$10,050	$117
Incorporate Comments and Issue Documents	20	$2,760	40	$5,480	20	$2,560	0	$0	20	$1,700	0	$0	100	$12,500	$125
Sub Total Review Meeting	**38**	**$5,244**	**108**	**$14,796**	**60**	**$7,680**	**0**	**$0**	**80**	**$6,800**	**0**	**$0**	**286**	**$34,520**	$121
Bid Phase															
Pre-Bid Conference Bidder Questions	0	$0	24	$3,288	1	$128	0	$0	10	$850	0	$0	35	$4,266	$122
Bid Evalutations	4	$552	24	$3,288	4	$512	0	$0	0	$0	0	$0	32	$4,352	$136
Sub-Total Project Management	**4**	**$552**	**48**	**$6,576**	**5**	**$640**	**0**	**$0**	**10**	**$850**	**0**	**$0**	**67**	**$8,618**	$129
TOTAL FEE:	**86**	**$11,868**	**355**	**$48,635**	**115**	**$14,720**	**0**	**$0**	**176**	**$14,960**	**0**	**$0**	**732**	**$90,183**	$123

NOTES:

1. A separate spreadsheet is required for each consultant/sub consultant with any portion of it's services to be compensated on a lump sum 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-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position:	Manager		Sr. Engineer		Engineer		Construction Administration		CAD Operator		Office Admin		TOTAL		
Rate ($/Hour):	$157.00		$106.00		$104.00		$106.00		$66.00		$63.00				
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Preliminary Design															
HVAC	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Plumbing	24	$3,768	96	$10,176	0	$0	0	$0	8	$528	0	$0	128	$14,472	$113
Electrical	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 Field Evaluation	**24**	**$3,768**	**96**	**$10,176**	**0**	**$0**	**0**	**$0**	**8**	**$528**	**0**	**$0**	**128**	**$14,472**	$113
Schematic Design															
HVAC	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Plumbing	48	$7,536	168	$17,808	84	$8,736	0	$0	16	$1,056	8	$504	324	$35,640	$110
Electrical	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 Report Preperation	**48**	**$7,536**	**168**	**$17,808**	**84**	**$8,736**	**0**	**$0**	**16**	**$1,056**	**8**	**$504**	**324**	**$35,640**	$110
Review Meeting															
HVAC	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Plumbing	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Electrical	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Sub Total Review Meeting	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Revit Development															
AutoCAD Preperation	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Additional Field Observations	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Sub-Total Project Management	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
TOTAL FEE:	**72**	**$11,304**	**264**	**$27,984**	**84**	**$8,736**	**0**	**$0**	**24**	**$1,584**	**8**	**$504**	**452**	**$50,112**	$111

NOTES:

1. A separate spreadsheet is required for each consultant/sub consultant with any portion of it's services to be compensated on a lump sum basis.
2. Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

EXPENSES:				AMOUNT
Ricondo & Associates				
TASK 1				
Printing/Copying (Triangle Reprographics Inc.)	**Size**	**Rates**	**Qty**	**Subtotal**
Letter Size Printing Color	8.5 x 11	$0.39	0	$0.00
Large Format Color Printing	36 x 24	$6.99	0	$0.00
Ledger Size Color Printing	11 x 17	$0.69	0	$0.00
Color Document Production	booklet	$20.00	0	$0.00
Presentation Boards and Mounting	30 x 42	$55.00	0	$0.00
Courier		$104.00	0	$0.00
Subtotal - Ricondo & Associates				**$0.00**
Task 1 Total				$0.00

EXPENSES:				AMOUNT
Ricondo & Associates				
TASK 2				
Printing/Copying (Triangle Reprographics Inc.)	**Size**	**Rates**	**Qty**	**Subtotal**
Letter Size Printing Color	8.5 x 11	$0.39	0	$0.00
Large Format Color Printing	36 x 24	$6.99	0	$0.00
Ledger Size Color Printing	11 x 17	$0.69	0	$0.00
Color Document Production	booklet	$20.00	0	$0.00
Presentation Boards and Mounting	30 x 42	$55.00	0	$0.00
Courier		$104.00	0	$0.00
Subtotal - Ricondo & Associates				**$0.00**
Task 2 Total				$0.00

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLES C-7b and C-7c
PARTICIPATION SCHEDULES

TABLE C-7b MWBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	MWBE CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Ricondo & Associates, Inc.		N/A	Prime consultant, Data Collection Support, Benchmarking & Outreach, Analyses & Recommendations	$55,050.00	N/A
Studio For Architecture		WBE	Architecural Services	$90,183.00	46.2%
SGM		N/A	MEP	$50,112.00	
TOTAL PROPOSED PARTICIPATION				**$195,345.00**	**46.2%**

TABLE C-7c LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	PROPOSED SCOPE OF SERVICES		FEE	PROPOSED PARTICIPATION
Ricondo & Associates, Inc.		N/A	Prime consultant, Data Collection Support, Benchmarking & Outreach, Analyses & Recommendations	$55,050.00	N/A
Studio For Architecture		N/A	Architecural Services	$90,183.00	N/A
SGM		N/A	MEP	$50,112.00	N/A
TOTAL PROPOSED PARTICIPATION				**$195,345.00**	**0.0%**

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 contract hourly rates shown below.

FIRM	POSITION	CONTRACT HOURLY RATE
Ricondo & Associates	Senior Officer	$350
Ricondo & Associates	Officer	$340
Ricondo & Associates	Senior Director	$295
Ricondo & Associates	Director	$239
Ricondo & Associates	Manager	$180
Ricondo & Associates	Senior Consultant	$139
Ricondo & Associates	Technical Editor	$138
Ricondo & Associates	Senior Graphics Designer	$134
Ricondo & Associates	Consultant	$93
Ricondo & Associates	Graphic Designer	$97
Ricondo & Associates	Consultant	$93
Ricondo & Associates	Technical Specialist	$66
Studio For Architecture	Vice President	$138.00
Studio For Architecture	Sr Project Manager	$137.00
Studio For Architecture	Project Manager	$128.00
Studio For Architecture	Sr Project Architect	$118.00
Studio For Architecture	Project Architect	$85.00
SGM Engineering, Inc.	Principal	$189.00
SGM Engineering, Inc.	Manager	$157.00
SGM Engineering, Inc.	Sr. Engineer	$106.00
SGM Engineering, Inc.	Engineer	$104.00
SGM Engineering, Inc.	Construction Administration	$106.00
SGM Engineering, Inc.	CAD Operator	$66.00
SGM Engineering, Inc.	Office Admin	$63.00

Studio for Architecture

November 9, 2023

Ricondo
Attn: Craig Kirkwood, Associate Director
3504 Lake Lynda Drive, Suite 165
Orlando, FL 32817

email: ckirkwood@ricondo.com
phone: 570.604.8836

Re: Proposal for GOAA Restroom Renovations R3
Comm: 23118

Dear Craig,

Studio for Architecture appreciates the opportunity to submit our Proposal for Professional Services for a Design Criteria Package (DCP) Restroom Renovations and additions to Airside 1, 2 and 3. The Scope of Work, Schedule, Compensation and Design Assumptions for the project are described below.

SCOPE OF WORK

Provide professional Architectural, Structural, Mechanical, Electrical, Plumbing and Fire Protection Engineering Design Criteria Services related to the development of restroom renovations and additions to the North Terminal Complex Airsides 1, 2 and 3. Each of the Airsides is unique in its development and will require individual approaches to the restroom modifications and additions. Our team will make every effort to standardize the finishes and fixtures between the airside to help the design builder with material procurement and ease of maintenance. The team will incorporate smart restroom technology in its designs. The DCP will be developed to a schematic design level to include a detailed scope and outline specification adequate for Design Build Teams to provide qualifications and pricing.

General Project Program Summary:

- Site investigation of existing condition and assessment of infrastructure to handle additional capacity.
- Option validation of Airsides 1 and 3
- Fixture and Finish selections as approved by the Authority.
- Preparation DCP for issuance to Design Build Teams
- Respond to Proposer questions.
- Evaluate Proposal team Request for Qualifications, Pricing and Schedule.

SCHEDULE*

Site Verification	Duration	2 weeks
Concept Development	Duration	6 weeks
Criteria Package	Duration	5 weeks
Proposal Review & Questions	Duration	4 weeks
Construction Administration	Not included.	

**Schedule does not include time for Owner Review or Construction Management Estimating. Upon the Owner's review, approval and fee payment for each completed Design Document Submittal, the design team will proceed with the next Design Document Submittal.*

COMPENSATION

Site Verification (documents 10% complete) $ 16,777
* *Phase billed monthly based on percentage complete.*
Payments due 30 days after invoice submitted.

Concept Development (documents 50% complete) $ 44,740
* *Phase billed monthly based on percentage complete.*
Payments due 30 days after invoice submitted.

Criteria Package (documents 95% complete)		$ 70,160
* *Phase billed monthly based on percentage complete.*		
Payments due 30 days after invoice submitted.		
Proposal Review & Question (documents 100% complete)		$ 8,618
TOTAL Not to Exceed Fee		$ 140,295

Design Fees Breakdown:

Studio for Architecture, Inc.	Architecture	$ 90,183
SGM	MEP	$ 50,112

DESIGN ASSUMPTIONS

1. The professional design services anticipated for this project are limited to those disciplines listed above.
2. Studio for Architecture will assist in the engineering coordination of the Civil Engineering documents.
3. No more than 5 Interior Renderings are included.
4. Items not listed in the Scope of Work description above are not included in this proposal and assumed to be by others. Examples of excluded items, including but not limited to, the following disciplines and scope of work that are not included in this proposal:
   - Redesign of documentation based on GOAA comments during Concept Development and Criteria Phase scope of work.
   - Value Engineering redesign if required after owner approval to proceed to the next submittal phase.
   - Topographical Survey and Subsurface Utility Information Documentation by others.
   - Demolition Documentation for existing facilities.
   - Specialty Consultants, including design and specifications relative to communication systems (voice/data) and security systems. The Design Build team is responsible for providing data locations and conduit required for Owner's consultant.
   - Temporary Facilities.
   - Multiple Bid Packages.

ADDITIONAL SERVICES

Other Additional Services required beyond basic scope shall be negotiated on an as needed basis at which time a proposal for additional services will be provided, this includes but is not limited to Structural Schematic Design Services.

REIMBURSABLE EXPENSES

Reimbursable Expenses such as printing costs, courier services, federal express, photographs, prints or hardcopies for Owner review and/or phase submission will be reimbursed at a multiplier of 1.00. Parking and Travel (outside of Lee County) will be reimbursed at .58c a mile.

We hope this proposal meets with your approval. Studio for Architecture is committed to servicing your team. Please sign below and forward a copy to our office so that we may begin the process and engage the design team.

Submitted by:

Owner /Authorized by:

11/09/2023

Signature date

Mary C. Roche, AIA, NCARB, LEED AP
President
Printed Name and Title

Signature date

Craig Kirkwood, AIA
Associate Director
Printed Name and Title

ATTACHMENTS: WBE Certification, SGM Proposal Dated 10/25/2023

cc: Carlos Roche, Ron Reitz

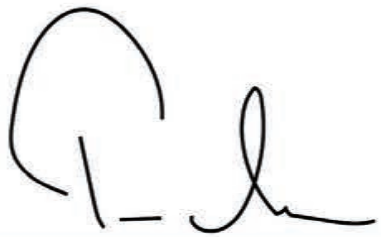
State of Florida

Woman Business Certification

STUDIO FOR ARCHITECTURE,INC

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

June 14, 2022 to June 14, 2024



J. Todd Inman
Florida Department of Management Services

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES
SUPPLIER DIVERSITY

Office of Supplier Diversity
4050 Esplanade Way, Suite 380
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October 25, 2023 - Original
October 31, 2023 - Rev #1
November 9, 2023 – Rev #2

Carlos R. Roche
Principal
StudioforArchitecture
407.497.2471
carlos.roche@st4arc.com
1528 Jackson St. Fort Myers. FL 33901

RE: GOAA Airside 1-3 Restroom Expansion

Introduction

We are pleased to submit this fee proposal for the preparation of bridging documents pertaining to the mechanical, electrical, plumbing, and fire protection engineering services for the GOAA Airsides 1, 2, and 3 restrooms expansion project. Our proposal is based on the scope provided and our comprehensive understanding of the project's requirements.

Initial Phase: Comprehensive Site Evaluation

The initial phase involves a comprehensive site evaluation to determine the capacity of the existing infrastructure. This evaluation will impact each discipline as follows:

- Mechanical: Assessment of the existing HVAC systems to determine their capacity to handle the additional load from the expanded areas. This includes evaluating air handling units, ductwork, and ventilation systems.
- Electrical: Review of the existing electrical distribution system, lighting, and power outlets. This will determine if the current system can support the added electrical loads or if upgrades are necessary.
- Plumbing: Examination of the existing plumbing infrastructure, including water supply, drainage, and waste systems. This will identify if the current plumbing can support the additional fixtures and increased water demand.
- Fire Protection: Evaluation of the existing fire alarm and sprinkler systems to ensure they can be extended to cover the expanded areas and meet all safety standards.

Bridging Documents Details

For each discipline, the bridging documents will provide:

Mechanical:

- Design narrative and preliminary layout plans for HVAC systems, including type, capacity, and location of units. Ventilation requirements, ductwork schematics, identifying relevant codes and standards, and air quality standards will also be outlined.

Smart HVAC Systems:

- Integration of advanced control systems to enhance HVAC efficiency and adaptability.

Electrical:

- Design narrative and preliminary electrical layout plans showing the distribution system, lighting design, power outlets, and any specialized electrical systems. Specifications for equipment, fixtures, and identifying relevant codes and standards will be included.

Electrical: Smart Lighting and Sensors:

- Implementation of smart lighting and sensor technologies for improved energy management.

Plumbing:

- Design narrative and preliminary plumbing plans for water supply, drainage, and waste systems. Specifications for fixtures, pipe materials, and sizes, identifying relevant codes and standards, as well as flow rates and pressure requirements, will be provided.

Plumbing: Smart Water Management:

- Incorporation of modern, efficient fixtures and monitoring systems for optimized water usage.

Fire Protection:

- Design narrative and preliminary layout plans of fire alarm and sprinkler systems, including location of detectors, alarms, and sprinkler heads. Specifications for equipment and materials, hazard classifications, identifying relevant codes and standards, as well as sprinkler specifications and coverage areas, will be provided.

Fire Protection: Smart Safety Systems:

- Utilization of advanced detection and monitoring solutions for enhanced safety and responsiveness.

Exclusions

While our services are comprehensive, the following are exclusions and will not

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, Vice President, Construction
(Prepared by Rob Broline)

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Addendum to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services Agreement (Category 6) with Carr, Riggs & Ingram LLC

Consultant's proposal, dated November 1, 2023, is to provide Audit and Advisory (Category 6) Services related to the Orlando International and Executive Airports. Scope of services will include review of vendor submissions to the Procurement Committee to verify that submissions are accurate, complete and properly supported in compliance with the *Procurement Committee Item Review Checklist for Professional Services* in support of the Engineering and Construction Department; and other related services included in Category 6.

If approved, services will be effective January 1, 2024, through December 31, 2024.

The MWBE/LDB/VBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Operation and Maintenance Funds (301.715.170.5310009.000.000000). Funding source verified by Melvin Martinez of Construction Finance on 11/16/23 as correct and available. Funding required in current and subsequent fiscal years will be allocated from the Operation and Maintenance Funds, as approved through the budget process and when funds become available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Addendum to the Professional Services Agreement for Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services with Carr, Riggs & Ingram, LLC, at the Orlando International and Executive Airports (Category 6) with Carr, Riggs & Ingram LLC for the services contained herein and amount as shown below:

Not to Exceed Fees	$322,500.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$322,500.00**
AAC – Compliance Review Date	SJ 11/15/23
AAC – Funding Eligibility Review Date	11/15/23

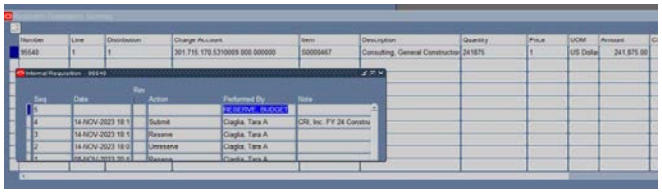
CC
ITEM IV-H
11/21/2023

FINANCE FORM

Date:	11/8/2023	**Requestor's Extension:**	
Requestor's Name:	Scott Shedek	**Preparer's Extension:**	4461
Preparer's Name:	Tara Ciaglia	**Solicitation #:**	
Requestor's Department:	Construction	**Contract # / Name:**	Construction Payment Application and Invoice Review, Financial Consulting for the CIP and CIR; and Audit and Advisory Services Agreement (Category 6)
Description:	Audit & Advisory (Category 6) Svcs	**Construction Committee Date:**	11/21/2023
Vendor:	Carr, Riggs & Ingram LLC	**Agenda Item #:**	

PROJECT FUNDS: O&M

Account Code Format: xxx.xxx.xxx.xxxxxxx.xxx.xxxxxx	FY24 Amount	FY25 Amount	FY26 Amount	FY27 Amount	FY28 Amount	TOTAL CONTRACT
301.715.170.5310009.000.000000	$241,875.00	$80,625.00				$322,500.00
Total Requisition:	$241,875.00	$80,625.00				$322,500.00
Requisition Number:	**95540**	**95599**				
Funding Approver:	REVIEWED By Magaly at 3:45 pm, Nov 15, 2023					
OMB Notes:						



GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Addendum to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services Agreement (Category 6) with Carr, Riggs & Ingram, LLC

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that Carr, Riggs & Ingram, LLC does not propose small business participation on this addendum due to the specific nature of the services to be provided.

Our analysis indicates that Carr, Riggs & Ingram, LLC is eligible for award of the subject addendum.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Carr, Riggs & Ingram, LLC
215 Baytree Drive
Melbourne, Florida 32940
(321) 255-0088
(321) 259-8648 (fax)
www.cricpa.com

November 1, 2023

Mr. Scott Shedek
Vice President, Construction
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, FL 32824

Dear Mr. Shedek:

Carr, Riggs & Ingram (CRI) is pleased to submit a proposal to provide consulting services related to Category 6 to the Engineering and Construction Department in support of the Aviation Authority activities at the Orlando International and Orlando Executive Airports. The scope of this proposal includes assisting the Aviation Authority in reviewing vendor submissions to the Procurement Committee to help ensure that submissions for the agenda are accurate, complete and properly supported including verification of the following in compliance with the *Procurement Committee Item Review Checklist for Professional Services*:

- Appropriate GOAA Cover Memo (EDC document) properly completed, including the appropriate funding source.
- Proposal letter from the Prime Consultant to GOAA detailing the scope of services, deliverables, schedule and fees.
- Truth-in-Negotiation Certification included and signed by Prime Consultant
- Breakdown of hourly rates by position for each job role required (C-9 Table or Equivalent) - provided equivalent as part of proposal.
- Breakdown of Reimbursable Expenses (C-6 Table or Equivalent) - provided equivalent as part of proposal.
- Breakdown of DBE/MWBE/LDB/VBE (C-7 a, b, c Table or Equivalent) - provided equivalent as part of proposal.
- Cumulative project staffing sheet (Required for Prime OAR Services ONLY).
- Indication whether relates to services performed previously and if so describe

This scope of services represents a broad description of the services provided by CRI under this proposal and is not intended to cover all support services that may be requested by the Aviation Authority.

Our estimated effort totals a not-to-exceed amount of **$322,500** with an estimate of hours and billing rates provided in Exhibit 1 and covers the period January 1, 2024 through December 31, 2024.

We appreciate the opportunity to submit this proposal and look forward to working with the Authority on this project.

Sincerely,

Carr, Riggs & Ingram, L.L.C.

Robert L. Broline Jr.
Partner
Carr, Riggs & Ingram LLC

EXHIBIT 1 – BREAKDOWN OF HOURS AND FEES

1-Nov-23 **Category 6 Services**

January 1, 2024 through December 31, 2024				
Title/Position	**Firm**	**Billing Rate**	**Hours**	**Fees**
Partner/Principal	Carr, Riggs & Ingram	$ 270.00	250	$ 67,500
Senior Manager	Carr, Riggs & Ingram	$ 195.00		-
Manager/Senior Consultant	Carr, Riggs & Ingram	$ 165.00		-
Supervising Senior	Carr, Riggs & Ingram	$ 150.00		-
Senior Accountant/ Consultant	Carr, Riggs & Ingram	$ 130.00	1,000	130,000
Staff Accountant/Junior Consultant	Carr, Riggs & Ingram	$ 100.00	1,250	125,000
Total			**2,500**	**$ 322,500**

Assumptions:

Senior: agenda review, supervise and review staff; 50 weeks; average 20 hours/week

Staff: agenda review; 50 weeks, average 25 hours/week.

Partner: attend meetings, performing quality review as needed.

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: Carr, Riggs & Ingram LLC

By: Robert L. Broline Jr.

Print Name: Robert L. Broline Jr.

Date: November 1, 2023

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Marie Dennis, Deputy Chief Financial Officer
(Prepared by Rob Broline)

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Amendment to Addendum 3 to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services Agreement (Category 2) with Carr, Riggs & Ingram LLC

On August 29, 2023, the Construction Committee approved Addendum 3 in the amount of $120,250 to the above-referenced agreement. Since that time, the Finance Department has requested that these services be extended for January 1, 2024 through December 31, 2024 as furthered described in Consultant's proposal, dated November 1, 2023, which is to provide Construction Payment Application and Invoice Review Services at the Orlando International and Executive Airports. Scope of services will include contract, cost and funding compliance reviews of design and construction related billings in support of the Engineering and Construction Department; and other related services for Category 2.

If approved, services will be effective January 1, 2024, through December 31, 2024.

The MWBE/LDB/VBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Operation and Maintenance Funds (301.111.170.5310009.000.000000). Funding source verified by Melvin Martinez of Construction Finance on 11/16/23 as correct and available. Funding required in current and subsequent fiscal years will be allocated from the Operation and Maintenance Funds, as approved through the budget process and when funds become available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Amendment to Addendum 3 to the Professional Services Agreement for Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services at the Orlando International and Executive Airports (Category 2) with Carr, Riggs & Ingram LLC for the services contained herein and amount as shown below:

Not to Exceed Fees	$465,000.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$465,000.00**
AAC – Compliance Review Date	SJ 11/15/23
AAC – Funding Eligibility Review Date	11/15/23

CC
ITEM IV-I
11/21/2023

Greater Orlando Aviation Authority
Purchasing Contracts Finance Form

Date:	11/3/2023	**Requestor's Extension:**	x2026
Requestor's Name:	LuAnn Fisher	**Preparer's Extension:**	x2026
Form Preparer's Name:	LuAnn Fisher	**Purchasing Solicitation #:**	W452 - Category 2
Requestor's Department:	Finance	**Committee:**	Construction Committee
Description:	Construction-Engineering-Finance Consulting Servcies (Category 2)	**Committee Date:**	11/21/2023
Vendor:	Carr, Riggs & Ingram, LLC	**Board Date:**	12/13/2023

NON-PROJECT FUNDS: O&M, CAP EX, I&D, R&R, OEA REVENUE FUNDS

Account Code Format: xxx.xxx.xxx.xxxxxxx.xxx.xxxxxx	FY 24 Amount	FY 25 Amount	FY 26 Amount	FY 27 Amount	FY 28 Amount	Total Contract
301.111.170.5310009.000.000000	$ 348,750.00	$ 116,250.00				$ 465,000.00
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
Total Requisition	$ 348,750.00	$ 116,250.00	$ -	$ -	$ -	$ 465,000.00
Requisition Number	**95496**	**95498**				

OMB Notes:
Funding Approver: JWR

Converted into PO #:
Date:
Buyer:

Total Requisition:	$ 465,000.00
BPA Amount:	$ -
Grand Total - Agree to Committee Item:	$ 465,000.00

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Amendment to Addendum 03 to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services Agreement (Category 2) with Carr, Riggs & Ingram, LLC

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that Carr, Riggs & Ingram, LLC does not propose small business participation on this amendment due to the specific nature of the services to be provided.

Our analysis indicates that Carr, Riggs & Ingram, LLC is eligible for award of the subject amendment.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Carr, Riggs & Ingram, LLC
215 Baytree Drive
Melbourne, Florida 32940
(321) 255-0088
(321) 259-8648 (fax)
www.cricpa.com

November 1, 2023

Ms. Marie Dennis
Deputy Chief Financial Officer
Greater Orlando Aviation Authority
5850 Cargo Road
Orlando, FL 32827

Dear Ms. Dennis:

Carr, Riggs & Ingram (CRI) is pleased to submit a proposal to provide consulting services related to Category 2 to the Finance Department in support of the Authority's Non-Capital Improvement Program activities at the Orlando International and Orlando Executive Airports. The scope of this proposal includes the following related to contract and funding compliance reviews for non-CIP, North Terminal Programs (all Programs and/or projects not included in the STC Program) related invoices:

Contract Compliance Review:

- Verify that contract is in place and fully executed including contract modifications
- Verify that contract amounts are not exceeded
- Verify billing rates used are those set forth in the contract for both prime and subconsultants
- Verify overhead rates do not exceed those set forth in the contract
- Verify reimbursable expenses are itemized
- Verify supporting documentation is included in invoice package
- Prepare Exception Report
- Work with consultant to resolve open issues
- Prepare Payment Form

Funding Compliance Review:

- Verify that costs are allowable, reasonable and allocable
- Prepare Funding Form, in accordance with the established funding eligibility

This scope of services represents a broad description of the services provided by CRI under this proposal and is not intended to cover all support services that may be requested by the Aviation Authority's Finance Department.

Our estimated effort totals a not-to-exceed amount of **$465,000** with an estimate of hours and billing rates provided in Exhibit 1 and covers the period January 1, 2024 through December 31, 2024.

We appreciate the opportunity to submit this proposal and look forward to working with the Aviation Authority on this project.

Sincerely,

Carr, Riggs & Ingram, L.L.C.

Robert L. Broline Jr.
Partner
Carr, Riggs & Ingram LLC

EXHIBIT 1 – BREAKDOWN OF HOURS AND FEES

1-Nov-23 **Category 2**

January 1, 2024 through December 31, 2024				
Title/Position	**Firm**	**Billing Rate**	**Hours**	**Fees**
Partner/Principal	Carr, Riggs & Ingram	$ 270.00	750	$ 202,500
Senior Manager	Carr, Riggs & Ingram	$ 195.00		-
Manager/Senior Consultant	Carr, Riggs & Ingram	$ 165.00		-
Supervising Senior	Carr, Riggs & Ingram	$ 150.00		-
Senior Accountant/ Consultant	Carr, Riggs & Ingram	$ 130.00	1,250	162,500
Staff Accountant/Junior Consultant	Carr, Riggs & Ingram	$ 100.00	1,000	100,000
Total			**3,000**	**$ 465,000**

Assumptions:

Senior Accountant: 50 weeks, average 25 hours/week.

Staff Accountant: 50 weeks, average 20 hours/week.

Partner: average 15 hours per week (50 weeks) and includes: supervising senior, performing quality review of senior's invoice/payment application reviews, resolving issues, and attending meetings as needed.

Req No. 95496
95498

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: Carr, Riggs & Ingram LLC

By: Robert L. Broline Jr.

Print Name: Robert L. Broline Jr.

Date: November 1, 2023

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Marie Dennis, Deputy Chief Financial Officer
(Prepared by Rob Broline)

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Amendment to Addendum 4 to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR), and Audit and Advisory Services Agreement (Category 3) with Carr, Riggs & Ingram LLC

On August 29, 2023, the Construction Committee approved Addendum 4 in the amount of $125,925 to the above-referenced agreement. Since that time, the Finance Department has requested that these services be extended for January 1, 2024 through December 31, 2024 as furthered described in Consultant's proposal, dated November 1, 2023, which is to provide Capital Improvement Program (CIP) and Capital Initiation Requests (CIR) (Category 3) Services at the Orlando International and Executive Airports. Scope of services will include: assist with the development of project control budgets and funding plans for construction projects; assist in the development and updates of the CIP and CIR budgets; evaluation of financing alternatives as it relates to eligibility for Airport Improvement Program (AIP), Florida Department of Transportation (FDOT), Passenger Facility Charges (PFC), Bipartisan Infrastructure law (BIL) and other funding sources; in support of the Finance Department and other related services included in Category 3.

If approved, services will be effective January 1, 2024, through December 31, 2024.

The MWBE/LDB/VBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Operation and Maintenance Funds (301.111.170.5310009.000.000000). Funding source verified by Melvin Martinez of Construction Finance on 11/16/23 as correct and available. Funding required in current and subsequent fiscal years will be allocated from the Operation and Maintenance Funds, as approved through the budget process and when funds become available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Amendment to Addendum 4 to the Professional Services Agreement for Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services at the Orlando International and Executive Airports (Category 3) with Carr, Riggs & Ingram, LLC for the services contained herein and amount as shown below:

CC
ITEM IV-J
11/21/2023

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

Not to Exceed Fees	$479,250.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$479,250.00**
AAC – Compliance Review Date	SJ 11/15/23
AAC – Funding Eligibility Review Date	11/15/23

Greater Orlando Aviation Authority
Purchasing Contracts Finance Form

Date:	11/3/2023	**Requestor's Extension:**	x2026
Requestor's Name:	LuAnn Fisher	**Preparer's Extension:**	x2026
Form Preparer's Name:	LuAnn Fisher	**Purchasing Solicitation #:**	W452 - Category 3
Requestor's Department:	Finance	**Committee:**	Construction Committee
Description:	Construction-Engineering-Finance Consulting Servcies (Category 3)	**Committee Date:**	11/21/2023
Vendor:	Carr, Riggs & Ingram, LLC	**Board Date:**	12/13/2023

NON-PROJECT FUNDS: O&M, CAP EX, I&D, R&R, OEA REVENUE FUNDS

Account Code Format: xxx.xxx.xxx.xxxxxxx.xxx.xxxxxx	FY 24 Amount	FY 25 Amount	FY 26 Amount	FY 27 Amount	FY 28 Amount	Total Contract
301.111.170.5310009.000.000000	$ 359,437.50	$ 119,812.50				$ 479,250.00
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
Total Requisition	$ 359,437.50	$ 119,812.50	$ -	$ -	$ -	$ 479,250.00
Requisition Number	**95499**	**95500**				

REVIEWED
By Magaly at 8:18 am, Nov 16, 2023

OMB Notes:
Funding Approver: JWR

Converted into PO #:
Date:
Buyer:

Total Requisition:	$	479,250.00
BPA Amount:	$	-
Grand Total - Agree to Committee Item:	$	479,250.00

Req amount to be reduced during PO conversion process.

Number	Preparer	Description	Approval Status	Creation Date	Total	Type	Operating Un	Car
95499	McCondichie, Ham	FY24 - CRI - W4	In Process	03-NOV-2023 14:11:13	376,312.50	Internal Requisition	GOAA	

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Recommendation of Approval of an Amendment to Addendum 03 to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services Agreement (Category 3) with Carr, Riggs & Ingram, LLC

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that Carr, Riggs & Ingram, LLC proposes 26% MWBE participation on this amendment.

Our analysis indicates that Carr, Riggs & Ingram, LLC is eligible for award of the subject amendment.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

MWBE 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 Amendment to Addendum 03 to the Construction Payment Application and Invoice Review, Financial Consulting for the Capital Improvement Program (CIP) and Capital Initiation Requests (CIR); and Audit and Advisory Services Agreement (Category 3) with Carr, Riggs & Ingram, LLC**

1. Construction Information:

Amendment Amount:

2. MWBE 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 MWBE Participation	-	**Actual Result**	

3.a. Prime Contractor Information:

Name:
Address:
City, State, Zip:
Telephone:

3.b. Name and Address of MWBE 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:

Amendment Amount: **$479,250.00**

5. MWBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	-	Actual Result	0%
Caucasian Female American	123,750.00	Actual Result	26%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total MWBE Participation	**123,750.00**	**Actual Result**	**26%**

6.b. Engineering / Professional Service Firm Information:

Name: **Carr, Riggs & Ingram, LLC**
Address: **215 Baytree Drive**
City, State, Zip: **Melbourne, Florida 32940**
Telephone: **(321) 255-0088**

6.b. Name and Address of MWBE Subconsultant

Name: **Pamela J L'Heureux CPA, PLLC**
Address: 1749 Walnut Ave
City, State, Zip: Winter Park, FL 32789
Telephone: 689-710-3453

6.c. *Identity: Caucasian Female American
Work Item(s): Manager/Senior consultant
Amount of Subcontract $123,750.00
Percent of Prime Contract (%): 26%

*** In Items 3.c. and 6.c. above specify the identity of MWBE Subcontractors and E/PS Firms (e.g. Black American, Hispanic American, Asian Subcontinent American, Asian Pacific American, Caucasian Female American, Native American & Other)**

Carr, Riggs & Ingram, LLC
215 Baytree Drive
Melbourne, Florida 32940
(321) 255-0088
(321) 259-8648 (fax)
www.cricpa.com

November 1, 2023

Ms. Marie Dennis
Deputy Chief Financial Officer
Greater Orlando Aviation Authority
5850 Cargo Road
Orlando, FL 32827

Dear Ms. Dennis:

Carr, Riggs & Ingram (CRI) is pleased to submit a proposal to provide CIP support consulting services related to Category 3 to the Finance Department in support of the Aviation Authority's Capital Improvement Program activities at the Orlando International and Orlando Executive Airports. The scope of this proposal includes the following:

- Assist with the development of project control budgets and funding plans for construction projects;
- Assist in the development and updates of the Capital Improvement Program and Capital Initiation Request budgets;
- Evaluation of financing alternatives as it relates to eligibility for Airport Improvement Program (AIP), Florida Department of Transportation (FDOT), Passenger Facility Charges (PFC), Bipartisan Infrastructure law (BIL) and other funding sources;
- Financial support activities for bond issuances and other strategic initiatives;
- Financial support services for the annual budget process; and
- Executive Reporting, which may include, but is not limited to cost reports, Key Performance Indicator reports, construction project statistics, cash flow projections and Estimates at Completion (EACs).
- Other support services as directed by the Finance Department

This scope of services represents a broad description of the services provided by CRI under this proposal and is not intended to cover all support services that may be requested by the Aviation Authority's Finance Department.

Our estimated effort totals a not-to-exceed amount of **$479,250** with an estimate of hours and billing rates provided in Exhibit 1 and covers the period January 1, 2024 through December 31, 2024.

As we strive to maximize the MWBE/LDB participation, our goal is to try and include a MWBE participation of 20% for these services.

We appreciate the opportunity to submit this proposal and look forward to working with the Aviation Authority on this project.

Sincerely,

Carr, Riggs & Ingram, L.L.C.

Robert L. Broline Jr.
Partner
Carr, Riggs & Ingram LLC

EXHIBIT 1 – BREAKDOWN OF HOURS AND FEES

1-Nov-23 **Category 3**

January 1, 2024 through December 31, 2024				
Title/Position	**Firm**	**Billing Rate**	**Hours**	**Fees**
Partner/Principal	Carr, Riggs & Ingram	$ 270.00	150	$ 40,500
Senior Manager	Carr, Riggs & Ingram	$ 195.00		-
Manager/Senior Consultant	Pamela J L'Heureux CPA, LLC*	$ 165.00	750	123,750
Supervising Senior	Carr, Riggs & Ingram	$ 150.00	2,100	315,000
Senior Accountant/ Consultant	Carr, Riggs & Ingram	$ 130.00		-
Staff Accountant/Junior Consultant	Carr, Riggs & Ingram	$ 100.00		-
Total			3,000	**$ 479,250**

Total Prime Consultant	Carr, Riggs & Ingram			355,500
Total Small Business	Pamela J L'Heureux CPA, LLC			123,750
Percent Participation				**26%**

Assumptions:

Supervising Senior: 50 weeks; average 42 hours/week.

*Small Business, MWBE (Pamela J L'Heureux CPA, LLC) – See attached for MWBE's more detailed proposal submitted to CRI.

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: Carr, Riggs & Ingram LLC

By: Robert L. Broline Jr.

Print Name: Robert L. Broline Jr.

Date: November 1, 2023

Pamela J L'Heureux CPA, PLLC
651 Oak Hollow Way
Altamonte Springs, FL 32714
(407) 312-0098
plheureuxcpa@gmail.com
EIN 85-3677662

October 25, 2023

Mr. Rob Broline, Partner
Carr, Riggs & Ingram, LLC
215 Baytree Drive
Melbourne, FL 32940

RE: W-452 Construction-Engineering Financial Consulting, Capital Planning Contract
Task Proposal # 3

Dear Mr. Broline,

Thank you for the opportunity to work with Carr, Riggs & Ingram, LLC on the Greater Orlando Aviation Authority W-452 contract. The Task Proposal # 3 scope of work for January 1, 2024 through December 31, 2024 is attached. It is my understanding that the hours comprising each task may be reallocated to meet the Authority's needs, as long as the total hours and extension amount do not exceed the proposal.

Please advise if you have any questions.

Thank you, again!

Pam L'Heureux

Pam L'Heureux, President

Attachment

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Tuan Nguyen, Assistant Vice President Engineering**
(Prepared by Brittany A. Davis Project Manager)

Date: **November 21, 2023**

Re: **Request for Approval of a no-cost Amendment to Addendum 10 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc. dba Ardmore Roderick for Adjustment of Labor Rates and Decrease in OAR Staffing Hours Estimate for the BP-497 MCO Taxiways G&H Rehabilitation – Phase 1, including the Base Bid and Add Alternates 1, 2 & 3 at the Orlando International Airport**

On October 18, 2023, the Aviation Authority Board approved Addendum No. 10 in the amount of $1,756,148.00 to the above-referenced agreement. Since that time, it has been discovered that updated labor rates have been approved for The Loyal Wingman, effective September 26th, 2023 and October 23, 2023. In addition CMI personnel role changed from Safety Manager to Safety Director that included at rated increase. The project rate adjustment has a no cost increase to the project and has a decrease in hours for the Prime and Subcontractors, which will not affect the duration of the project.

This continuing consultant was selected for this task based on (all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload

☒ Expertise ☒ Equitable Distribution ☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

There is no financial impact to the Aviation Authority for this No-Cost adjustment of labor rates for Addendum 10.

It is respectfully requested that the Construction Committee approve the No-Cost Amendment to Addendum 10 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc. dba Ardmore Roderick for Adjustment of Labor Rates and Decrease in OAR Staffing Hours Estimated is contained herein and amount as shown below:

Not to Exceed Fees	$0.00
Lump Sum Fees	$0.00
	$0.00
TOTAL	**$0.00**
AAC – Compliance Review Date	
AAC – Funding Eligibility Review Date	

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of a No-Cost Amendment to Addendum 10 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc. dba Ardmore Roderick for Adjustment of Labor Rates and Decrease OAR Staffing Hours Estimate for the BP-497 MCO Taxiways G&H Rehabilitation – Phase 1, including the Base Bid and Add Alternates 1, 2 & 3 at the Orlando International Airport

The proposed no-cost amendment to Addendum 10 impacts DBE participation, reducing it from 39% to 35%, as illustrated in the table below. Our analysis indicates that The Roderick Group, Inc. dba Ardmore Roderick is eligible for award of the subject amendment.

DBE Subcontractors	**Addendum 10**	**No-Cost Amendment to Addendum 10**
Elipsis Engineering & Consulting, LLC	275,124.00	195,703.00
Geotech Consultants International, Inc., DBA GCI Inc.	188,640.00	203,808.00
On Point Surveying, Inc.	32,000.00	32,000.00
Chace Construction Services, LLC	186,287.00	180,856.00
CMI (DBE certification is expired)		
DBE Total	**682,051.00**	**612,367.00**
Total	**1,756,148.00**	**1,756,148.00**
DBE %	**39%**	**35%**

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Ardmore Roderick

November 21, 2023

Tuan Nguyen, PE.
Assistant VP, Engineering
GREATER ORLANDO AVIATION AUTHORITY
11314 Terminal C Service Road
Orlando, FL 32824

Subject: **BP-497_MCO Taxiway G&H Phase 1**
Orlando International Airport (MCO)

Dear Mr. Nguyen

Ardmore Roderick is resubmitting the Addendum 10 package due to the labor rates being updated for Loyal Wingman, effective September 26th, 2023 and October 23, 2023. In addition, CMI personnel role changed from Safety Manager to Safety Director that included at rate increase. The project rate adjustment has a no cost increase to the project and has a decrease in hours for the Prime and Subcontractors, which will not affect the job being completed. If approved, these labor rates would be effective for OAR services performed under Addendum 10, beginning November 21, 2023.

Sincerely,

Ardmore Roderick

Brittany A. Davis
Project Manager, Aviation

P: 321.430.6710
F: 773.289.0567
www.ArdmoreRoderick.com

3361 Rouse Road
Suite 140
Orlando, Florida 32817

Ardmore Roderick

Greater Orlando Aviation Authorit
Orlando International Airpor

BP_00497 Taxiways G & H-Phase 1 OAR

Staffing Estimate

ROLE	Company	INDIVIDUAL*	2023		2024										Total Hours
			Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Senior Project Manager	LW	Ben Brown	56	80	88	84	72	70	74	66	79	88	82	29	5	873
Project Manager	AR	Brittany Davis	144	126	146	146	158	154	141	147	184	176	168	150	13	1,853
Assistant Project Manager (field)	AR	Britt Rittman	0	112	111	87	69	66	129	143	184	176	168	100	13	1,358
Assistant Project Manager (Office)	AR	George Rugis	0	0	10	160	168	176	184	160	184	176	168	150	9	1,545
Senior Inspector	GCI	David Batdorf	0	32	176	168	168	176	184	160	184	176	120	0	0	1,544
Senior Inspector	LW	Paul Zimmerman	0	152	176	168	168	176	184	160	184	176	168	110	7	1,829
Inspector Aide/ Intern	LW	Sam Chizek	0	0	142	84	99	110	160	160	184	176	168	72	0	1,355
Senior Inspector	CCS	Mark Nienstedt	0	0	176	177	189	198	207	180	184	176	168	72	0	1,727
Safety Manager	CMI	Bill White	0	0	51	63	63	66	69	60	69	66	63	46	7	623
Compliance Specialist	EEC	Sandra Perez	0	36	120	126	86	66	69	60	69	66	62	46	9	815
Sr. Engineering Tech	EEC	TBD	0	0	8	64	96	104	112	96	112	68	0	0	0	660
TOTAL STAFF HOURS			**200**	**538**	**1,204**	**1,327**	**1,336**	**1,362**	**1,513**	**1,392**	**1,617**	**1,520**	**1,335**	**775**	**63**	**14,182**

P: 321.430.6710
F: 773.289.0567
www.ArdmoreRoderick.com

3361 Rouse Road
Suite 140
Orlando, Florida 32817

Ardmore Roderick

Greater Orlando Aviation Authority
Orlando International Airport

BP_00497 Taxiways G & H-Phase 1

OAR Staffing Estimate

ROLE	Company	INDIVIDUAL*	Total Hours	Hourly Rates	Total Fee
Staffing:					
Senior Project Manager	LW	Ben Brown	873.00	$ 197.00	$ 171,981.00
Project Manager	AR	Brittany Davis	1,856.00	$ 147.00	$ 272,832.00
Assistant Project Manager (field)	AR	Britt Rittman	1,360.00	$ 125.00	$ 170,000.00
Assistant Project Manager (Office)	AR	George Rugis	1,548.00	$ 125.00	$ 193,500.00
Senior Inspector	GCI	David Batdorf	1,544.00	$ 132.00	$ 203,808.00
Senior Inspector	LW	Paul Zimmerman	1,832.00	$ 93.00	$ 170,376.00
Inspector Aide/ Intern	LW	Sam Chizek	1,353.25	$ 52.00	$ 70,369.00
Senior Inspector	CCS	Mark Nienstedt	1,739.00	$ 104.00	$ 180,856.00
Safety Director	CMI	Bill White	623.00	$ 152.00	$ 94,696.00
Compliance Specialist	EEC	Sandra Perez	815.00	$ 106.00	$ 86,390.00
Sr. Engineering Tech	EEC	TBD	660.00	$ 99.00	$ 65,340.00
Subtotal			**14,203.25**		**$ 1,680,148.00**
Reimburseable Expenses					
Survey Crew		On Point Surveying			$ 32,000.00
Material Testing (Lab and Site)		EEC			$ 44,000.00
Subtotal					**$ 76,000.00**
Total:					**$ 1,756,148.00**

DBE/MWBE/LDB Participation

Firm	DBE	MWBE	LDB	Fee	% Participation
GCI	X			$ 203,808.00	12%
Elipsis	X			$ 195,730.00	11%
On Point Surveying	X			$ 32,000.00	2%
CMI	X			$ 94,696.00	5%
CCS	X			$ 180,856.00	10%
Total:					**40%**

P: 321.430.6710
F: 773.289.0567
www.ArdmoreRoderick.com

3361 Rouse Road
Suite 140
Orlando, Florida 32817

Name	Position	Project #	Project Status	Description	2023		2024																						2025		Total
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
22-034 OAR																														
Colin Paterson	PM	V-00986	approved	AS4 Delta Club Window Replacement-Design	36.3																									36.27
	PM	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation			13	20	16	8	14	16																		87
	PM	V-00988	approved	Beachline Warehouse Roof Replacement				57	72	40	82	76																		327
	PM	R-00102	approved	IT Building Roof Replace			12	29	29																					70
	PM	R-00103	approved	West ARFF Roof Replace			11	48	29																					88
	PM	EP-00373	approved	A Side Commercial Curb Canopy Hurricane membrane repair						16	46	42																		104
	PM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair			12	22	30	24	14	26																		128
	PM	R-00104	approved	17L35R Vault Roof Replace									35	38	27	21														121
	PM	V-01009	approved	Remodel Purchasing Building									59	32	18															109
	PM	V-00992	approved	Rehabilitation of Structural Steel Commercial Lanes Canopies									74	90	84	89	59	42	44	46	40	46	44	42						700
	SR PM	V-00992	pending	PTFE evaluation - Amendment to Addendum 11										8																8
	SR PM	V-01012	approved	Airside1 Wing 4 Ramp Level Restroom Refurbishments										51	35															86
				Total:	36.3		48	176	176	88	156	160	168	219	164	110	59	42	44	46	40	46	44	42						1864.27
Tony Odendahl	Sr Insp	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation			30	138	132	126	42																			468
	APM	V-00988	approved	Beachline Warehouse Roof Replacement				38	44	34	142	160	10																	428
	APM	R-00102	approved	IT Building Roof Replace			6																							6
	APM	R-00103	approved	West ARFF Roof Replace			6																							6
	Sr Insp	H-00359	approved	Pond Dredging Program FY23				32	88	84	92	24																		320
	APM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair			6																							6
	APM	R-00104	approved	17L35R Vault Roof Replace									10	10	16	16														52
	APM	V-01009	approved	Remodel Purchasing Building									30	26	14															70
	APM	V-00992	approved	Rehabilitation of Structural Steel Commercial Lanes Canopies									20	58	63	69	59	42	44	46	40	46	44	42						573
	APM	V-01012	approved	Airside1 Wing 4 Ramp Level Restroom Refurbishments										8	4															12
				Total:			48	208	264	244	276	184	70	102	97	85	59	42	44	46	40	46	44	42						1941
Brittany Davis	APM	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation						8	16																			24
	APM	V-00988	approved	Beachline Warehouse Roof Replacement						56	14																			70
	APM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair						8	16																			24
	PM	BP-049	approved	Taxiways ABE4 Rehab										76	29	52	64	42	51	37	6									357
	PM	BP-00497	approved	MCO Taxiways G&H-Phase 1										144	126	146	146	158	154	141	147	184	176	168	150	13				1853
				Total:						72	46			220	155	198	210	200	205	178	153	184	176	168	150	13				2328
Britt Rittman	APM	BP-049	approved	Taxiways ABE4 Rehab										72	80	87	80	80	36	8										443
	APM	BP-00497	approved	MCO Taxiways G&H-Phase 1											112	111	87	69	66	129	143	184	176	168	100	13				1358
				Total:										72	192	298	167	149	102	137	143	184	176	168	100	13				1801
George Rugi	Sr Insp	BP-00497	approved	MCO Taxiways G&H-Phase 1												10	160	168	176	184	160	184	176	168	150	9				1545
				Total:												10	160	168	176	184	160	184	176	168	150	9				1545
Total OAR Staff Hours					**36.3**		**96**	**384**	**440**	**404**	**478**	**344**	**238**	**613**	**608**	**601**	**655**	**601**	**571**	**591**	**536**	**644**	**616**	**588**	**400**	**35**				**5600.27**

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: Ardmore Roderick

By:

Print Name: Jeffery A. Jackowski

Date: August 10, 2023

GCI INC.

November 9, 2023

Ms. Brittany Davis
Project Manager
Ardmore Roderick
11308 Terminal C Service Road
Orlando, FL 32824

Subject: **BP-00497 Taxiways G & H Rehabilitation – Construction Phase 1**
Orlando International Airport

Dear Ms. Davis:

GCI Inc. is pleased to submit this proposal to provide OAR 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 providing assistance to Ardmore Roderick staff for construction inspection and coordination services for day shift construction activities.

Our estimated man-hour requirements and applicable unit rates for completion of the project are attached to this proposal. The total contract value is estimated at **$203,808.00**. This amount consists of **$203,808.00** for Not to Exceed Fees and **$0.00** for Not to Exceed Expenses.

The services for this project will be performed in accordance with the provisions of GOAA's standard agreement for professional services and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

We appreciate the opportunity to present this proposal and we look forward to working with Ardmore Roderick on this most important project. Should you have any questions or if we may be of further assistance, do not hesitate to contact the undersigned.

Sincerely,

GCI Inc.

for Owusu Amaning
Managing Principal

Orlando International Airport

BP-00497 Taxiways G & H Rehabilitation - Construction Phase 1 **9-Nov-23**

Construction Phase OAR Staffing Estimate

Role	Individual	Firm	2023	2024									Total
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Sr. Inspector	D. Batdorf	GCI	84	176	168	168	176	176	160	176	176	84	**1,544**
TOTAL STAFF HOURS			**84**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**84**	**1,544**

Orlando International Airport

BP-00497 Taxiways G & H Rehabilitation - Construction Phase 1

Construction Phase OAR Staffing Estimate

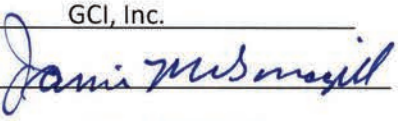
Role	Firm	Hourly Rate	Total Hours	Total Fee
Sr. Inspector	GCI	$132.00	1,544	$203,808.00
SUBTOTAL			**1,544**	**$203,808.00**
REIMBURSABLE EXPENSES:				$0.00
SUBTOTAL				**$0.00**
TOTAL:				**$203,808.00**
MWBE/LDB PARTICIPATION:			**% Participation**	
		$0.00	0.00%	$0.00
SUBTOTAL				**$0.00**

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: GCI, Inc.

By: 

Print Name: Jamie McGonagill

Date: 11/09/23

Owner's Representative

Estimating / Scheduling

Value Engineering

Life Cycle Costing

LEED Consulting

Constructability Review

Cashflow Projections

Change Orders

Claims Analysis

Contract Administration

Commissioning

Construction Auditing

Information Technology

Database Development

Facilities Condition Assessment

158 Terra Mango Loop
Suite B
Orlando, FL 32835
Tel: 407.293.4168
Fax: 407.293.0944
Website: www.cminc.biz
Email: cmi@cminc.biz

15 November 2023

Ms. Brittany A. Davis
Project Manager
Ardmore Roderick
3361 Rouse Road, Suite 140
Orlando, Florida 32817

	CMI No. P-5317
Project: Orlando International Airport BP-497 Taxiway G & H Phase 1 Construction Safety Oversight	
Total NTE Fee	$ 94,696.00
Ninety-Four Thousand, Six Hundred and Ninety-Six Dollars.	

Dear Ms. Davis

We hereby submit our fee proposal to provide OAR Consulting Services. Our understanding is that we will be providing construction phase safety oversight services, effective January 2024.

SERVICES

Our scope will be to support Ardmore Roderick OAR team with safety observation, compliance and reporting services for the construction of BP-497 Taxiway G & H, Phase 1 Project at Orlando International Airport.

FEE SCHEDULE

Our anticipated staffing plan equates to an NTE Fee. Below is our OAR Staffing Manhours

Staff	Role	Total Hours	Rate	Total NTE Fe
Bill White	Safety Director	623	$ 152.00	$ 94,696.00

MWBE / LDB PARTICIPATION

CMI is certified by the Authority as a MBE firm for providing these professional services.

EXCLUSIONS

This proposal excludes: scheduling, cost estimating, office space rental, utilities, computers, printers and copiers.

PAYMENT

We will invoice in accordance with the terms of your Contract with the Aviation Authority.

Sincerely,

CMI

William W. White

Safety Director

Date: 11/9/2023

To: ARDMORE RODERICK

Proposal Cost Estimate for Inspection and Laboratory Services
BP-497 Taxiways G & H Rehabilitation - Phase 1
EEC PRO 192-Base Bid

Description	Estimated Quantity	Unit	*Unit Rate	Estimated Cost
Complaince Specialist/Contract Support Specialist	815	Hour	$106.00	$ 86,390.00
Sr. Engineering Technician (asphalt plant inspection & on-site materials sampling)	660	Hour	$99.00	$ 65,340.00
			Manhour Budgeted Total:	$ 151,730.00
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	
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	
			Laboratory Testing Budgeted Total:	$ 44,000.00
			Total Proposal Amount:	$ 195,730.00

P.O. Box 770931
Winter Garden, FL 34777
Phone: 407-989-8102
marketing@on-pointsurveying.com
on-pointsurveying.com

September 27, 2023

Ardmore Roderick
ATTN: Colin Paterson
3361 Rouse Road, Suite 140
Orlando, FL 32817

BP-497 Taxiways G & H Rehabilitation - Phase 1
Orlando International Airport, OAR Scope

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 **$32,000.00**
On Point Surveying, Inc. (OPS) shall provide surveying services at our hourly rates on an “as needed” basis for the OAR Scope dated April 10, 2023 not-to-exceed $32,000.00 for the base bid.

Hourly Rates

Project Manager	$130
Project Surveyor	$115
Field Survey Crew	$125
Senior Survey Technician	$95
Junior Survey Technician	$70
Project Administrator	$60

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
Estimating: marketing@on-pointsurveying.com

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(As prepared by Jamie McGonagill)

Date: **November 21, 2023**

Re: **Request for Approval of an Amendment to Addendum 26 to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. for additional Design and Construction Phase OAR Services for BP-S00199 Train Station Passenger Drop-Off Lobby Parking Lot (D/B), Orlando International Airport**

On April 25, 2023, The Construction Committee approved Addendum 26 to provide initial Design and Construction Phase Owner's Authorized Representative (OAR) services for the first three weeks for the above referenced project, in the amount of $39,933.00. On May 2, 2023, The Construction Committee approved Amendment 1 to Addendum 26 in the amount of $595,131.00 to provide additional design and construction phase OAR Services for the remainder of the BP-S00199 project, which included construction of three surface parking lots, and all associated infrastructure, amenities, and required equipment for a fully functioning parking lot in the area of the Train Station Passenger Drop-off Loop.

Since that time the Contractor has been awarded an extension of contract time for substantial completion for sixty (60) calendar days, and it has been determined that additional Construction Phase OAR Services for BP-S00199 are required to continue to support completion and closeout of the project. Therefore, an amendment to Addendum 26 for additional OAR services in the amount of $34,620.00 is being requested, which includes a no cost reallocation of Not to Exceed Expenses to Not to Exceed Fees, to ensure no disruption in services and allows the Consultant to continue submitting invoices for services rendered. Final Completion is anticipated by January 2024.

	Approved	Proposed Amendment	Revised Total
NTE Fees Addendum 26	$32,315.00	$0.00	$32,315.00
NTE Expenses Addendum 26	$7,618.00	$0.00	$7,618.00
LS Fees Addendum 26	$0.00	$0.00	$0.00
NTE Fees Amend 01	$492,630.00	$0.00	$492,630.00
NTE Expenses Amend 01	$102,501.00	$0.00	$102,501.00
LS Fees	$0.00	$0.00	$0.00
NTE Fees Proposed		$84,620.00	$84,620.00
NTE Expenses Proposed		($50,000.00)	($50,000.00)
LS Fee Proposed		$0.00	$0.00
TOTAL	**$635,064.00**	**$34,620.00**	**$669,684.00**

If approved, these services would be effective November 21, 2023.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload

☒ Expertise ☒ Equitable Distribution ☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Capital Expenditure Fund (Cap. Ex) and Aviation Authority Funds. Funding source verified by_____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve an Amendment to Addendum 26 to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. for a No Cost Reallocation of Not to Exceed Expenses, in the amount of $50,000.00, to Not to Exceed Fees, and an additional $34,620.00 in Not to Exceed Fees:

Not to Exceed Fees	$34,620.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$.00
TOTAL	**$34,620.00**
AAC – Compliance Review Date	
AAC – Funding Eligibility Review Date	

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of an Amendment to Addendum 26 to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. for additional Design and Construction Phase OAR Services for BP-S00199 Train Station Passenger Drop-Off Lobby Parking Lot (D/B), Orlando International Airport

The proposed amendment to Addendum 26 adjusts the MWBE participation from 37.8% to 39.8%, as illustrated in the table below. Our analysis indicates that Geotech Consultants International, Inc., dba GCI, Inc. is eligible for award of the subject amendment.

	Add 26 4/25/2023	**Amd 01 5/2/2023**	**Subtotal (Add 26 + Amd 01)**	**Amd 02 11/21/2023**	**Total**
Elipsis	$ 7,618.00	$ 52,501.00	$ 60,119.00	$ -	**$ 60,119.00**
PSA	$ 13,936.00	$ 165,740.00	$ 179,676.00	$ 26,720.00	**$ 206,396.00**
TOTAL Awarded	**$ 39,933.00**	**$ 595,131.00**	**$ 635,064.00**	**$ 34,620.00**	**$ 669,684.00**
TOTAL MWBE			**$ 239,795.00**		**$ 266,515.00**
			37.8%		**39.8%**

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

GCI INC.

November 9, 2023

Mr. Scott Shedek
Vice President of Construction
GREATER ORLANDO AVIATION AUTHORITY
11314 Terminal C Service Road
Orlando, FL 32824

Subject: **BP-S00199 Train Station Passenger Drop-Off Lobby Parking Lot (D/B)**
Orlando International Airport

Dear Mr. Shedek:

GCI Inc. is pleased to submit this proposal to provide additional Construction Phase Project Management 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 providing assistance to the GOAA staff in the areas of construction project management, project control, contract administration and construction coordination in support of the project.

Our estimated man-hour requirements and applicable unit rates for completion of the project are attached to this proposal. The total contract value is estimated at **$34,620.00**. This amount consists of **$34,620.00** for Not to Exceed Fees and **$0.00** for Not to Exceed Expenses.

This is also a request for a no cost reallocation of Reimbursable Expenses in the amount of $50,000.00, to Not to Exceed Fees.

MWBE/LDB participation as proposed by GCI Inc. has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

The services for this project will be performed in accordance with the provisions of GOAA's standard agreement for professional services and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

We appreciate the opportunity to present this proposal and we look forward to continue 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 contact the undersigned.

Sincerely,

GCI Inc.

for Owusu Amaning
Managing Principal

Orlando International Airport

BP-S00199 Train Station Passenger Drop-Off Lobby Parking Lot D/B — **8-Nov-23**

Design and Construction Phase OAR Staffing E

	NTP	Original Contact Dates SC	Original Contact Dates FC	Revised Dates SC	Revised Dates FC
Anticipated dates	4/25/2023	11/9/2023	12/9/2023	12/16/2023	1/15/2024

Role	Individual	Firm	2023 April	May	June	July	August	Sept	Oct	Nov	Nov Add'l	Dec	Dec Add'l	2024 Jan Add'l	Original Total	Added Total
Sr. Project Manager	J. McGonagill	GCI	8	80	80	80	80	80	80	60	20	30	30	30	578	80
Assistant Project Manager	L. Antoine	GCI	8	60	60	60	60	60	60	60	0	30	30	30	458	60
Sr. Civil Inspector	M. Danner	GCI	0	40	160	160	160	160	160	80	80	20	60	20	940	160
QA/QC	J. Olivo	PSA	0	160	160	160	160	160	160	80	80	20	60	20	1,060	160
Sr. Electrical Inspector	D. Race	PSA	12	60	80	80	80	80	80	60	20	20	40	20	552	80
Sr. Project Coordinator	C. Hernandez	GCI	12	60	60	60	60	60	60	30	30	30	30	30	432	90
Project Manager - Safety Director	N. Edwards	GCI	0	55	40	40	40	40	40	30	0	0	0	0	285	0
Project Manager - Safety Director	B. White	CMI	0	0	0	0	0	0	0	0	40	0	30	0	0	70
Chief Scheduler	B. Quigley	OPC	0	48	20	20	20	20	20	16	4	0	16	0	164	20
TOTAL STAFF HOURS			**40**	**563**	**660**	**660**	**660**	**660**	**660**	**416**	**274**	**150**	**296**	**150**	**4,469**	**720**

Orlando International Airport

BP-S00199 Train Station Passenger Drop-Off Lobby Parking Lot D/B

Design and Construction Phase OAR Staffing Estimate

Role	Firm	Hourly Rate	Original Total Hours	Added Total Hours	Original Total Fee	Added Total Fee
Sr. Project Manager	GCI	$166.00	578	80	$95,948.00	$13,280.00
Assistant Project Manager	GCI	$113.00	458	60	$51,754.00	$6,780.00
Sr. Civil Inspector	GCI	$96.00	940	160	$90,240.00	$15,360.00
QA/QC	PSA	$115.00	1,060	160	$122,268.00	$18,400.00
Sr. Electrical Inspector	PSA	$104.00	552	80	$57,408.00	$8,320.00
Sr. Project Coordinator	GCI	$96.00	432	90	$41,472.00	$8,640.00
Project Manager - Safety Director	GCI	$139.00	285	0	$39,615.00	$0.00
Project Manager - Safety Director	CMI	$152.00		70		$10,640.00
Chief Scheduler	OPC	$160.00	164	20	$26,240.00	$3,200.00
SUBTOTAL			**4,469**	**720**	**$524,945.00**	**$84,620.00**
REIMBURSABLE EXPENSES:						
Material Testing	Elipsis				$60,119.00	$0.00
DCP Verification	HDR				$50,000.00	($50,000.00)
SUBTOTAL					110,119	-50,000
TOTAL:					**$635,064.00**	**$34,620.00**
MWBE/LDB PARTICIPATION:			**% Participation**			
Material Testing	Elipsis		9.47%	8.98%	$60,119.00	$60,119.00
QA/QC	PSA		19.25%	21.01%	$122,268.00	$140,668.00
Sr. Electrical Inspector	PSA		9.04%	9.81%	$57,408.00	$65,728.00
SUBTOTAL			**37.76%**	**39.80%**	**$239,795.00**	**$266,515.00**

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: GCI, Inc.

By: Jamie McGonagill

Print Name: Jamie McGonagill

Date: 11/9/23

Greater Orlando Aviation Authority

GCI Staff Extension Forcast for FY24

Legend:

Proposal submitted for review
Previously approved
Funds needed to finish
Future proposal

Updated: 11/09/23

				168	176	176	160	176	168	168	176	176	160	176	176	168	184	160	
Name	**Position**	**Project**	**Task Description**	**23-Sep**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Total Hours**
A. Parker	Project Coordinator II																		
C. Hernandez	Sr. Project Coordinator	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		30	60	60	30											180
		V-01002	Terminal A and B Center Core CCTV Installation		5	5	5												15
		V-1003	Annex Campus Security Infrastucture (ACS Installation - IT /Motor Pool /Maintenance Shop)			10	10	10	10										
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost																0
		BP-S00193	South Employee Parking Lot		25	25	19												69
		W-00453	A/S 2 & 4 APM Replacement Program Mgmt. & Oversight		84	84	84	84	84	84	168	168	160	168	168	168			1504
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)		20	20	20												60
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					20	20	20									60
		V-S00043	STC Egress Stair Vision Screen		3	3	3	2											11
		V-S00044	Completion of Unfinished Scope from Project BP-S00187			4	5	7	7	5	0								28
			Total		**167**	**211**	**206**	**153**	**121**	**109**	**168**	**168**	**160**	**168**	**168**	**168**			**1967**
N. Supaswud	Sr. Project Coordinator	FY24	Small Projects Staff Extension		132	126	120	132	126	126	132	132	120	132	132	120			1530
		XXX	MCO Level 1 Office Space Design Proposal																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)																
		V-1006	Airside 3, Wing 1 Ramp Level Upgrades, OIA		20														20
		Total			**152**	**126**	**120**	**132**	**126**	**126**	**132**	**132**	**120**	**132**	**132**	**120**			
L. Antoine	Ast. Project Manager (Office)																		
		BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		60	60	60	30											210
		H-S00029	Airfield Civil Restart Enabling Work		32	32													64
		H-S00027	Temporary Quick-Turn-Around Facility - Nov. 30th		20														20
		V-01010	MCO Terminal A East Level 1 Office Creation		10	13	13	13	13	13	13	13	13						114
		BP-496	Rehabiliation of Taxiway L,N, & Taxiway Connector N1 Through N6 - WSP to let us know the hrs		73.53														
		Total			**195.53**	**105**	**73**	**13**	**13**	**13**	**13**	**13**	**13**	**0**					**451.53**
M. Murnane	Sr. Contract Admin.																		
		Total																	
J. McGonagill	Sr. Project Manager	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		80	80	60	30											250
		V-01002	Terminal A and B Center Core CCTV Installation		10	10	5												25
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost		30	40	40												110
		BP-S00193	South Employee Parking Lot		30	30	30												90
		XXX	MCO Level 1 Office Space Design Proposal																
		E-281	AS 4 PA Upgrades - On hold until Jan.																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)		20	30	30												
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					88	84	84	88	88	80	88	88	84			772
		V-981	Hyatt 4th Floor Water Heater Piping Repairs (D/B)																
		V-1003	Annex Campus Security Infrastucture (ACS Installation - IT /Motor Pool /Maintenance Shop)				20	24	20										
		XXXX	LS Level 1, 2, 3 PA Upgrades - On Hold																
		XXXX	West Checkpoint Ceiling - On Hold																
		V-S00043	STC Egress Stair Vision Screen		5	5	5	5											20
		V-01010	MCO Terminal A East Level 1 Office Creation		8	8	8	8	8	8	8	8	8						72
		E-S0019	Terminal C Exit Signage in Landside and Airside		1	5	5	5											16
		V-S00044	Completion of Unfinished Scope from Project BP-S00187			8	12	11	10	10	3								54
		Total			**183**	**216**	**215**	**171**	**122**	**102**	**99**	**96**	**88**	**88**	**88**	**84**			**1552**
J. Pancoast	Project Manager		Small Projects Staff Extension FY24		0	66	120	132	126	126	132	132	120	132	132	120			1338
		E-00275	Common Use and Biometric Expansion A/S 2																
		E-00276	Common Use and Biometric Expansion A/S 3																
		E-XXX	East Security Checkpoint Temperature Issue																
		H-344	Colonial Prom. East Parking Lot & Gear Lake Ave Rehab																
		H-345	Colonial Promenade Landscape Upgrades																
		H-357	MCO Fiber Optic Cabinet Additional Protection																
		H-XXX	Storm Gates at East Airfield Bypass Canal																
		V-976	Smart Bathroom Pilot Project																
		V-XXX	A & B Garages Entrance Canopies Rehabilitation																
		V-XXX	A & B Garages Exit Canopies Rehabilitation																
		V-XXX	A & B Side Tunnel Floor Support Replacements																
		V-XXX	Skylight Frame Painting West Great Hall																
		V-XXX	Vertical Circulation Core Ceiling Repair A & B Sides																
		V-XXX	Garage A & B Elevator Window Sealant Rehab																
		V-XXX	North Terminal Main Computer Room Electrical and HVAC Upgrades (CIR00921)																
		V-XXX	ORL Colonial Promenade Retail Area 4676 Upgrade																
		V-XXX	ORL Colonial Promenade Retail Area 4676 Add Alt.																
		V-XXX	AS 2 Hub Skylight Cable Tentioning																
		Total			**0**	**66**	**120**	**132**	**126**	**126**	**132**	**132**	**120**	**132**	**132**	**120**			
T. Burke	Project Manager		Operational Readiness Staff Extension FY24		158	151	144	158	151	151	158	158	144	158	158	144			1833
		Total			**158**	**151**	**144**	**158**	**151**	**151**	**158**	**158**	**144**	**158**	**158**	**144**			
V. Martinez	Project Manager																		
		Total																	

W. Beltran	Project Manager		Operational Readiness Staff Extension FY24		176	168	160	176	168	168	176	176	160	176	176	160			2040
		Total			**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**			
J. Panzella	Safety Project Manager III		PMO South Terminal Projects **ENDS 2/26**		176	168	160	176	168	168	176	176	160	176	176	160			**2040**
		Total			**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**0**	**0**	
D. Batdorf	Sr. Inspector	BP-496	Rehabiliation of Taxiway L,N, & Taxiway Connector N1 Through N6 - WSP to let us know the hrs																0
		BP - 497	MCO Taxiways G & H BASE				160	176	168	168	176	176	160	100	50				1334
		Total			**0**	**0**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**100**	**50**	**0**	**0**	**0**	
N. Aladham	Sr. Inspector I	**E-281**	**AS 4 PA Upgrades**																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					40	80	168	176	176	160	176	176	168			1320
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost		50	50	40												140
		V-S00982	MCO Campus Key & Lock Replacement Construction Phase		80	80	80	176	168	168	176	176	80						1184
		V-S00043	STC Egress Stair Vision Screen		10	10	10	5											35
		E-S0019	Terminal C Exit Signage in Landside and Airside		1	6	5		5										17
		V-S00044	Completion of Unfinished Scope from Project BP-S00187			8	12	15	13	12	3								63
		Total			**141**	**154**	**147**	**236**	**266**	**348**	**355**	**352**	**240**	**176**	**176**	**168**			
R. Dobbyn	Sr. Inspector I - Civil	H-S00029	Airfield Civil Restart Enabling Work		60	60													120
	Sr. Inspector/APM	BP-049	Taxiways A,B, & E4 - Rehabilitation			88	60	88	84										320
		Total			**60**	**148**	60	88	84	0	0	0	0	0	0	#REF!			
J. McCuddy	Sr. Inspector I - Electrical		PMO South Terminal Projects **ENDS 12/25**: Working with Brian Powers		96	88	10												
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)																
		E-S00014	Terminal C Replacement of Departures Bridge & Ground Transportation LED Strip Lights	5	5														**10**
		V-S0033	Terminal C, CBP and TSA Regulatory Changes (D/B)	45	0	0	6	16	16	40	40	38							**201**
		W-00490	MCO CR Program Oversight Services		120	160	160	160	160										**760**
		Total		**5**	**221**	**248**	**176**	**176**	**176**	**40**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
M. Penoyar	Sr. Elect/Mech Insp.		PMO South Terminal Projects ENDS **12/25**		176	168	160	176	168	168	176	176	160	176	176	160			**2040**
		Total			**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**0**	**0**	

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(As prepared by Jamie McGonagill)

Date: **November 21, 2023**

Re: **Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. to provide Construction Phase OAR Services for E-00281 Airside 4 PA System Upgrade, Orlando International Airport**

Consultant's proposal, dated November 7, 2023, is to provide construction phase OAR Services for the above referenced project. The scope of services will consist of providing construction project management, project control, contract administration and construction coordination in support of the project. The duration of the contract work is **165** calendar days to Substantial Completion and **45** calendar days to Final Completion.

If approved, these services would be effective December 13, 2024.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload
☒ Expertise ☒ Equitable Distribution ☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previously approved General Airport Revenue Bonds (GARBs). Funding source verified by_____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. for the services contained herein and for the amount shown below:

Not to Exceed Fees	$219,914.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$219,914.00**
AAC – Compliance Review Date	11/15/2023 ZTG
AAC – Funding Eligibility Review Date	11/15/2023

CC
ITEM IV-M
11/21/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. to provide Construction Phase OAR Services for E-00281 Airside 4 PA System Upgrade, Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the limited scope of the services to be provided, Geotech Consultants International, Inc., dba GCI, Inc. does not propose small business participation on this addendum.

Our analysis indicates that Geotech Consultants International, Inc., dba GCI, Inc. is eligible for award of the subject addendum.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

GCI INC.

November 7, 2023

Mr. Scott Shedek
Vice President of Construction
GREATER ORLANDO AVIATION AUTHORITY
11314 Terminal C Service Road
Orlando, FL 32824

Subject: **E-00281 Airside 4 PA System Upgrade**
Orlando International Airport

Dear Mr. Shedek:

GCI Inc. is pleased to submit this proposal to provide Construction Phase Project Management 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 providing assistance to the GOAA staff in the areas of construction project management, project control, contract administration and construction coordination in support of the project.

Our estimated man-hour requirements and applicable unit rates for completion of the project are attached to this proposal. The total contract value is estimated at **$219,914.00**. This amount consists of **$219,914.00** for Not to Exceed Fees and **$0.00** for Not to Exceed Expenses.

MWBE/LDB participation as proposed by GCI Inc. has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

The services for this project will be performed in accordance with the provisions of GOAA's standard agreement for professional services and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

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 contact the undersigned.

Sincerely,

GCI Inc.

for James McSwain
Owusu Amaning
Managing Principal

Orlando International Airport

E-281 Airside 4 PA System Upgrade 7-Nov-23

NTP SC FC

Construction Phase OAR Staffing Estimate

Role	Individual	Firm	2023	2024							Total
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
Project Manager	J. McGonagill	GCI	10	88	84	84	60	50	23	20	**419**
Sr. Inspector	TBD	GCI	10	88	168	168	176	168	40	20	**838**
Sr. Project Coordinator	C. Hernandez	GCI	8	88	84	84	78	30	27	15	**414**
TOTAL STAFF HOURS			**28**	**264**	**336**	**336**	**314**	**248**		**55**	**1,671**

11/07/2023

Orlando International Airport

E-281 Airside 4 PA System Upgrade 7-Nov-23

Construction Phase OAR Staffing Estimate

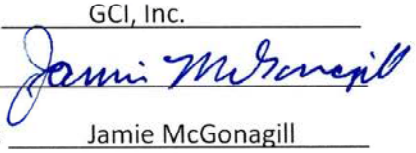
Role	Firm	Hourly Rate	Total Hours	Total Fee
Project Manager	GCI	$166.00	419	$69,554.00
Sr. Inspector	GCI	$132.00	838	$110,616.00
Sr. Project Coordinator	GCI	$96.00	414	$39,744.00
SUBTOTAL			**1,671**	**$219,914.00**
REIMBURSABLE EXPENSES:				
				$0.00
SUBTOTAL				**$0.00**
TOTAL:				**$219,914.00**
MWBE/LDB PARTICIPATION:			**% Participation**	
		$0.00	0.00%	$0.00
SUBTOTAL				**$0.00**

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: GCI, Inc.

By: 

Print Name: Jamie McGonagill

Date: 11/07/23

Greater Orlando Aviation Authority

GCI Staff Extension Forcast for FY24

Legend:

Proposal submitted for review
Previously approved
Funds needed to finish
Future proposal

Updated: 11/15/23

				168	176	176	160	176	168	168	176	176	160	176	176	168	184	160	
Name	**Position**	**Project**	**Task Description**	**23-Sep**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Total Hours**
A. Parker	Project Coordinator II																		
C. Hernandez	Sr. Project Coordinator	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		30	60	60	30											180
		V-01002	Terminal A and B Center Core CCTV Installation		5	5	5												15
		V-1003	Annex Campus Security Infrastucture (ACS Installation - IT /Motor Pool /Maintenance Shop)			10	10	10	10										40
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost																0
		BP-S00193	South Employee Parking Lot		25	25	19												69
		W-00453	A/S 2 & 4 APM Replacement Program Mgmt. & Oversight		84	84	84	84	84	84	168	168	160	168	168	168			1504
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)		20	20	20												60
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					20	20	20									60
		V-S00043	STC Egress Stair Vision Screen		3	3	3	2											11
		V-S00044	Completion of Unfinished Scope from Project BP-S00187			4	5	7	7	5	0								28
		E-281	Airside 4 PA System Upgrade				8	88	84	84	78	30	27	15					414
		Total			**167**	**211**	**214**	**241**	**205**	**193**	**246**	**198**	**187**	**183**	**168**	**168**			**2381**
N. Supaswud	Sr. Project Coordinator	FY24	Small Projects Staff Extension		132	126	120	132	126	126	132	132	120	132	132	120			1530
		XXX	MCO Level 1 Office Space Design Proposal																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)																
		V-1006	Airside 3, Wing 1 Ramp Level Upgrades, OIA		20														20
		Total			**152**	**126**	**120**	**132**	**126**	**126**	**132**	**132**	**120**	**132**	**132**	**120**			**1550**
L. Antoine	Ast. Project Manager (Office)	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		60	60	60	30											210
		H-S00029	Airfield Civil Restart Enabling Work																0
		H-S00027	Temporary Quick-Turn-Around Facility - Nov. 30th		20														20
		V-01010	MCO Terminal A East Level 1 Office Creation		10	13	13	13	13	13	13	13	13						114
		BP-496	Rehabiliation of Taxiway L,N, & Taxiway Connector N1 Through N6 - WSP to let us know the hrs																0
		Total			**90**	**73**	**73**	**43**	**13**	**13**	**13**	**13**	**13**						**344**
M. Murnane	Sr. Contract Admin.																		
		Total																	
J. McGonagill	Sr. Project Manager	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		80	80	60	30											250
		V-01002	Terminal A and B Center Core CCTV Installation		10	10	5												25
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost		30	40	40												110
		BP-S00193	South Employee Parking Lot		30	30	30												90
		XXX	MCO Level 1 Office Space Design Proposal																0
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)		20	30	30												80
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					88	84	84	88	88	80	88	88	84			772
		V-981	Hyatt 4th Floor Water Heater Piping Repairs (D/B)																0
		V-1003	Annex Campus Security Infrastucture (ACS Installation - IT /Motor Pool /Maintenance Shop)				20	24	20										64
		XXXX	LS Level 1, 2, 3 PA Upgrades - On Hold																0
		XXXX	West Checkpoint Ceiling - On Hold																0
		V-S00043	STC Egress Stair Vision Screen		5	5	5	5											20
		V-01010	MCO Terminal A East Level 1 Office Creation		8	8	8	8	8	8	8	8	8						72
			Terminal C Exit Signage in Landside and Airside		1	5	5	5											16
		V-S00044	Completion of Unfinished Scope from Project BP-S00187			8	12	11	10	10	3								54
		E-281	Airside 4 PA System Upgrade				10	88	84	84	60	50	23	20					419
		Total			**184**	**216**	**225**	**259**	**206**	**186**	**159**	**146**	**111**	**108**	**88**	**84**			**1972**
J. Pancoast	Project Manager		Small Projects Staff Extension FY24		0	66	120	132	126	126	132	132	120	132	132	120			1338
		E-00275	Common Use and Biometric Expansion A/S 2																0
		E-00276	Common Use and Biometric Expansion A/S 3																0
		E-XXX	East Security Checkpoint Temperature Issue																0
		H-344	Colonial Prom. East Parking Lot & Gear Lake Ave Rehab																0
		H-345	Colonial Promenade Landscape Upgrades																0
		H-357	MCO Fiber Optic Cabinet Additional Protection																0
		H-XXX	Storm Gates at East Airfield Bypass Canal																0
		V-976	Smart Bathroom Pilot Project																0
		V-XXX	A & B Garages Entrance Canopies Rehabilitation																0
		V-XXX	A & B Garages Exit Canopies Rehabilitation																0
		V-XXX	A & B Side Tunnel Floor Support Replacements																0
		V-XXX	Skylight Frame Painting West Great Hall																0
		V-XXX	Vertical Circulation Core Ceiling Repair A & B Sides																0
		V-XXX	Garage A & B Elevator Window Sealant Rehab																0
		V-XXX	North Terminal Main Computer Room Electrical and HVAC Upgrades (CIR00921)																0
		V-XXX	ORL Colonial Promenade Retail Area 4676 Upgrade																0
		V-XXX	ORL Colonial Promenade Retail Area 4676 Add Alt.																0
		V-XXX	AS 2 Hub Skylight Cable Tentioning																0
		Total			**0**	**66**	**120**	**132**	**126**	**126**	**132**	**132**	**120**	**132**	**132**	**120**			**1338**
T. Burke	Project Manager		Operational Readiness Staff Extension FY24		158	151	144	158	151	151	158	158	144	158	158	144			1833
		Total			**158**	**151**	**144**	**158**	**151**	**151**	**158**	**158**	**144**	**158**	**158**	**144**			**1833**
V. Martinez	Project Manager																		

		Total																		
W. Beltran	Project Manager		Operational Readiness Staff Extension FY24	176	168	160	176	168	168	176	176	160	176	176	160			2040
		Total		**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**			**2040**
J. Panzella	Safety Project Manager III		PMO South Terminal Projects **ENDS 2/26**	176	168	160	176	168	168	176	176	160	176	176	160			2040
		Total		**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**			**2040**
D. Batdorf	Sr. Inspector	BP-496	Rehabiliation of Taxiway L,N, & Taxiway Connector N1 Through N6 - WSP to let us know the hrs	14														14
		BP - 497	MCO Taxiways G & H BASE			84	176	168	168	176	176	160	176	176	84			1544
		Total		**14**	**0**	**84**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**84**	**0**	**0**	**1558**
N. Aladham	Sr. Inspector I	E-281	AS 4 PA Upgrades															
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost	50	50	40												140
		V-S00982	MCO Campus Key & Lock Replacement Construction Phase	80	80	80	176	168	168	176	176	80						1184
		V-S00043	STC Egress Stair Vision Screen	10	10	10	5											35
		E-S0019	Terminal C Exit Signage in Landside and Airside	1	6	5		5										17
		V-S00044	Completion of Unfinished Scope from Project BP-S00187		8	12	15	13	12	3								63
		Total		**141**	**154**	**147**	**196**	**186**	**180**	**179**	**176**	**80**	**0**	**0**	**0**			**1439**
R. Dobbyn	Sr. Inspector I - Civil	H-S00029	Airfield Civil Restart Enabling Work	60	60	84												204
	Sr. Inspector/APM	BP-049	Taxiways A,B, & E4 - Rehabilitation		88	60	88	84										320
		Total		**60**	**148**	**144**	**88**	**84**	**0**	**0**	**0**	**0**	**0**	**0**	**0**			**524**
J. McCuddy	Sr. Inspector I - Electrical		PMO South Terminal Projects **ENDS 12/25**: Working with Brian Powers	96	88	10												194
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)															0
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)															0
		E-S00014	Terminal C Replacement of Departures Bridge & Ground Transportation LED Strip Lights	5														5
		V-S0033	Terminal C, CBP and TSA Regulatory Changes (D/B)	0	0	6	16	16	40	40	38							156
		W-00490	MCO CR Program Oversight Services	120	160	160	160	160										760
		Total		**221**	**248**	**176**	**176**	**176**	**40**	**40**	**38**	**0**	**0**	**0**	**0**	**0**	**0**	**1115**
M. Penoyar	Sr. Elect/Mech Insp.		PMO South Terminal Projects ENDS **12/25**	176	168	160	176	168	168	176	176	160	176	176	160	0	0	2040
		Total		**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**0**	**0**	**2040**

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Prepared by Don Corthell, OAR)

Date: **November 21, 2023**

Re: **Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. to provide Construction Phase OAR Services for E-00287, Garage EV Charging Stations at the Orlando International Airport**

Consultant's proposal dated November 6, 2023, is to provide construction phase OAR services for the above referenced project, which will provide and install 67 Single Cord Level 2 32 AMP EV Charging stations in the parking garages and connect to existing infrastructure. The project is anticipated to begin in late November 2023 and be substantially complete in February 2023.

If approved, these services would be effective on 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: Security Project

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previosly approved Capital Expenditure Funds. Funding source verified by Melvin Martinez of Construction Finance on 11 / 16 / 23 as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services Agreement with PSA Management Inc. for the services contained herein and amount as shown below:

Not to Exceed Fees		$15,671.00
Lump Sum Fees		$0.00
Not to Exceed Expenses		$0.00
TOTAL		**$15,671.00**
AAC-Compliance Review Date	11/15/2023	ZTG
AAC-Funding Eligibility Review Date	11/15/2023	

CC
ITEM IV-N
11/21/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. to provide Construction Phase OAR Services for E-00287, Garage EV Charging Stations at the Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the limited scope of the services to be provided, PSA Constructors, Inc. dba PSA Management, Inc. does not propose small business participation on this addendum.

Our analysis indicates that PSA Constructors, Inc. dba PSA Management, Inc. is eligible for award of the subject addendum.

PSA MANAGEMENT

November 6, 2023

Mr. Scott Shedek
Greater Orlando Aviation Authority
Vice President, Construction
11312 Terminal C Service Rd., Bldg. 16
Orlando, FL. 32824

RE: E-00287 Parking Garage EV Charging Stations

Dear Mr. Shedek,

PSA Management, Inc. is pleased to provide this proposal for Onsite OAR Construction Phase OAR Services for **RE: E-00287 Parking Garage EV Charging Stations.** We will staff this project with a Senior Project Manager, a SR QA/QC Manager, and a Senior Project Coordinator to work closely with the Contractor, GOAA OPS and Maintenance.

This project will require appropriate notifications and assistance with the Contractor to ensure the minimum amount of impact to Parking Operations occurs. The Team will perform the work based on the project schedule to include after hours and weekends if needed. The project is anticipated to begin in late November 2023 and be Substantially Complete in February 2024 with Final Completion in March 2024.

Our proposed staffing requirements and applicable unit rates to manage this project effectively is depicted in the attached schedules. The total submitted value in the amount of $15,671.00 includes $15,671.00 in NTE Fees for PSA.

Role	Firm	Hourly Rate	Total Hours	Total Fee
Sr. Project Manager	PSA	$248.00	16	$3,968.00
Sr. Project Coordinator	PSA	$110.00	40	$4,400.00
Project Manager-Electrical	PSA	$171.00	41	$7,011.00
Admin Assistant	PSA	$73.00	4	$292.00
SUBTOTAL			**101**	**$15,671.00**

Thank you for giving us this opportunity to work together. Please reach out to me should you have any questions.

Sincerely,

Patrick Aliu, CSI, CGC, CCI, CCPM, CRA, PMI, BDIA
President/CEO

Orlando International Airport

E-XXXX Parking Garage EV Chargiing Stations		6-Nov-23		
Construction Phase OAR Staffing Estimate				
Role	**Firm**	**Hourly Rate**	**Total Hours**	**Total Fee**
Sr. Project Manager	PSA	$248.00	16	$3,968.00
Sr. Project Coordinator	PSA	$110.00	40	$4,400.00
Project Manager-Electrical	PSA	$171.00	41	$7,011.00
Admin Assistant	PSA	$73.00	4	$292.00
SUBTOTAL			**101**	**$15,671.00**
REIMBURSABLE EXPENSES:				
SUBTOTAL				**$0.00**
TOTAL:				**$15,671.00**
MWBE/LDB PARTICIPATION		**% Participation**		
SUBTOTAL				**$0.00**

E-XXXX Parking Garage EV Charging Stations								
Construction Phase OAR Staffing Proposal								
Role	Individual	Firm	Expanded Role Informatio	Dec-23	Jan-23	Feb-23	Mar-23	Total
Senior Project Manager	Don Corthell	PSA	Design Management	5	5	5	1	**16**
Sr. Project Coordinator	Becky McKewen	PSA	Project Coordination/Design	10	10	10	10	**40**
Sr QA/QC Manager-Electrical	Dale Race	PSA	PM Electrical	15	15	10	1	**41**
Administrative Assistant	TBD	PSA	Home Office Administratio	1	1	1	1	**4**
Total Staff Hours								**101**

Name	Position	Project	Task Description	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	#####	Sep-24	TOTAL
FOR CC AS OF 4/4/2023																
Jaime Olivo	QA/QC	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2	160	80	20										980
Dale Race	Senior Electrical Inspector	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2	80	60	20										510
																1490
			TOTAL													**2980**
Don Corthell	Senior Project Manager	E-00283	Runway 18L Vault Work													100
Rene Morejon	QA/QC	E-00283	Runway 18L Vault Work													115
			TOTAL													**215**
Don Corthell	Senior Project Manager	H-00359	Pond Dredging Program (FY 2023)	30												205
Becky McKewe	Sr. Project Coordinator	H-00359	Pond Dredging Program (FY 2023)	40												120
Rene Morejon	QA/QC	H-00359	Pond Dredging Program (FY 2023)	30												300
			TOTAL													**625**
Don Corthell	Senior Project Manager	E-00280	West Airfield Electrical Upgrades	15	15	10	10	10	10	10	10	5				150
Beck McKewen	Sr. Project Coordinator	E-00280	West Airfield Electrical Upgrades	15	15	15	15	15	15	20	20	20				150
Dale Race	QA QC Manager	E-00280	West Airfield Electrical Upgrades	15	15	15	15	15	21	20	20	20				186
Administration	TBD	E-00280	West Airfield Electrical Upgrades	2	2	2	2	2	2	2	2	2				28
			TOTAL													**514**
Don Corthell	Senior Project Manager	E-S00014	MCO Termianl C Departures Bridge and Ground Transportation Level Lighting Replacement	5												55
Becky McKeow	Senior Project Coordinator	E-S00014	MCO Termianl C Departures Bridge and Ground Transportation Level Lighting Replacement	20												20
TBD	Administrative Assistant	E-S00014	MCO Termianl C Departures Bridge and Ground Transportation Level Lighting Replacement	2												8
			Total													**83**
Don Corthell	Senior Project Manager	H-S0030	Terminal C Misc. Horizontal Construction	0												**24**
Rene Morejon	QA/QC Manager	H-S0030	Terminal C Misc. Horizontal Construction	10												**60**
Rebecca McKeown	Senior Project Coordinator	H-S0030	Terminal C Misc. Horizontal Construction	20												**20**
Admin Assistant	TBD	H-S0030	Terminal C Misc. Horizontal Construction	2												**8**
			TOTAL													**112**
Don Corthell	Senior Project Manager	E-S0016	Terminal C Misc Electrical Construction	10	10	8	2									**40**
Rene Morejon	QA/QC Manager	E-S0016	Terminal C Misc Electrical Construction	10	10	10	10									**55**
Rebecca McKeown	Senior Project Coordinator	E-S0016	Terminal C Misc Electrical Construction	10	10	10	10									**40**
TBD	Administrative Assistant	E-S0016	Terminal C Misc Electrical Construction	2	1	1	2									**8**
			Total													**143**
Don Corthell	Senior Project Manager	L-000080	MCO ACS/Rex Button Replacement	1	1	1	1									**5**
Dale Race	QA/QC Manager	L-00080	MCO ACS/Rex Button Replacement	10	5	5	5									**30**
Rebecca McKeown	Senior Project Coordinator	L-00080	MCO ACS/Rex Button Replacement	5	5	5	5									**20**
TBD	Administrative Assistant	L-00080	MCO ACS/Rex Button Replacement	1	1	1	1									**6**
			TOTAL													**61**
Don Corthell	Senior Project Manager	V-S0018	Terminal C Moving Walkways		15	15										**30**
Rebecca McKeown	Senior Project Coordinator	V-S0018	Terminal C Moving Walkways		15	11										**26**
TBD	Administrative Assistant	V-S0018	Terminal C Moving Walkways		1	1										**2**
			TOTAL													**58**
Don Corthell	Senior Project Manager	V-00982	MCO Campus Key & Lock Replacement	0	135	40										**175**
Rene Morejon	Ass. PM	V-00982	MCO Campus Key & Lock Replacement	80	155	72										**307**
Rebecca McKeown	Senior Project Coordinator	V-00982	MCO Campus Key & Lock Replacement	60	60	60										**180**
Jessica Charres	Project Coordinator	V-00982	MCO Campus Key & Lock Replacement	176	168	72										**416**
Admin Assistant	TBD	V-00982	MCO Campus Key & Lock Replacement	0	0	0										**0**
		Design Pha	**TOTAL**													**1078**
																0
Don Corthell	Senior Project Manager	V-00982	MCO Campus Key & Lock Replacement			40	40	40	40	40	20	10				**230**
Rene Morejon	Ass. PM	V-00982	MCO Campus Key & Lock Replacement			80	176	168	168	176	176	80				**1024**
Rebecca McKeown	Senior Project Coordinator	V-00982	MCO Campus Key & Lock Replacement			60	60	60	60	60	60	40				**400**
Jessica Charres	Project Coordinator	V-00982	MCO Campus Key & Lock Replacement			80	176	168	168	176	176	80				**1024**
Admin Assistant	TBD	V-00982	MCO Campus Key & Lock Replacement			2	2	2	2	2	2	2				**14**
		Constructio	**TOTAL**													**2692**
Don Corthell	Senior Project Manager	E-00287	Parking Garage EV Charging Stations			5	5	5	1							**16**
Dale Race	QA/QC Manager	E-00287	Parking Garage EV Charging Stations			15	15	10	1							**41**

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 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 (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 Aviation Authority, whichever is later.

Consultant PSA MANAGEMENT, INC.

By

Print Name PATRICK ALIU

Date: 11/15/2023

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Prepared by Colin Paterson)

Date: **November 21, 2023**

Re: **Request for Approval of an Amendment to Addendum 002 to the to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for a No Cost Reallocation to provide laboratory testing services for H-00328 FY23 Airside 3 Ramp Slab Replacement, Orlando International Airport**

On March 28,2023, the Construction Committee approved Addendum 002 in the amount of $89,092.00 to the above-referenced agreement. This amount included $86,745.00 in "Not to Exceed" funds for field support personnel and $2,347.00 of "Not to Exceed Expenses" funds for laboratory testing services. On July 25, 2023, the Construction Committee approved Amendment 001 to Addendum 002 for a No-Cost Staff Changes to provide additional construction phase OAR services. Since then, it was determined that less field support was needed, and additional laboratory testing was required to get early breaks on the concrete. This is a request for a no cost reallocation of funds from not to exceed fees to not to exceed expenses in the amount of $723.00.

If approved, these services would 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:_____

The DBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previously approved Capital Expenditure Funds. Funding source verified by Melvin Martinez of Construction Finance on 11 / 16 / 23 as correct and available.

It is respectfully requested that the Construction Committee approve a No Cost Reallocation of Funds for Addendum #2 to the Continuing Program and Project Management Services with The Roderick Group, Inc., dba Ardmore Roderick for the services contained herein and the amount as shown below:

	Current Budget	Proposed change	Proposed Budget
Not to Exceed Fees	$86,745.00	($723.00)	$86,022.00
Lump Sum Fees	$0.00	$0.00	$0.00
Not to Exceed Expenses	$2,347.00	$723.00	$3,070.00
TOTAL	**$89,092.00**		**$89,092.00**
AAC – Compliance Review Date			EW 11/13/23
AAC – Funding Eligibility Review Date			11/13/23

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of a No Cost Reallocation of Funds for Addendum 002 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for Construction Phase Owner's Authorized Representative Services for H-00328 FY23 AS 3 Ramp Slab Rehabilitation, Orlando International Airport

The no-cost reallocation of funds from NTE Fees to NTE Expenses has no impact on small business participation.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Ardmore Roderick

November 7, 2023

Mr. Scott Shedek
Vice President of Construction
GREATER ORLANDO AVIATION AUTHORITY
11314 Terminal C Service Road
Orlando, FL 32824

Subject: **H-00328 FY23 AIRSIDE 3 RAMP SLAB REPLACEMENT**
Orlando International Airport (MCO)

Dear Mr. Shedek,

On March 28,2023, the Construction Committee approved Addendum 002 in the amount of $89,092.00 to the above-referenced agreement. This amount included $86,745.00 in "Not to Exceed" funds for field support personnel and $2,347.00 of "Not to Exceed Expenses" funds for laboratory testing services. Since then, it was determined that less field support was needed, and additional laboratory testing was required to get early breaks on the concrete. This is a request for a no cost reallocation of funds from not to exceed fees to not to exceed expenses in the amount of $723.00.

We want to thank you and your organization for giving us this opportunity to work together.
Please call me should you have any questions.

	Current Budget	Proposed change	Proposed Budget
Not to Exceed Fees	$86,745.00	($723.00)	$86,022.00
Lump Sum Fees	$0.00	$0.00	$0.00
Not to Exceed Expenses	$2,347.00	$723.00	$3,070.00
TOTAL	**$89,092.00**		**$89,092.00**
AAC – Compliance Review Date			
AAC – Funding Eligibility Review Date			

Sincerely,

Ardmore Roderick

Colin Paterson, CCM
Sr. Project Manager, Aviation

P: 321.430.6710
F: 773.289.0567
www.ArdmoreRoderick.com

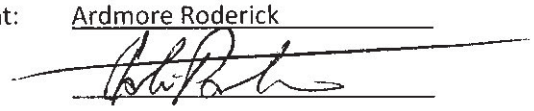
3361 Rouse Road
Suite 140
Orlando, Florida 32817

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: Ardmore Roderick

By: 

Print Name: Colin Paterson, CCM

Date: _____

Name	Position	Project #	Project Status	Description	2023									2024												Total
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
22-034 OAR																										
Colin Paterson	PM	V-00986	approved	AS4 Delta Club Window Replacement-Design	36.3																					36.27
	PM	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation			13	20	16	8	14	16														87
	PM	V-00988	approved	Beachline Warehouse Roof Replacement				57	72	40	82	76														327
	PM	R-00102	approved	IT Building Roof Replace			12	29	29																	70
	PM	R-00103	approved	West ARFF Roof Replace			11	48	29																	88
	PM	EP-00373	approved	A Side Commercial Curb Canopy Hurricane membrane repair						16	46	42														104
	PM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair			12	22	30	24	14	26														128
	PM	R-00104	approved	17L35R Vault Roof Replace									35	38	27	21										121
	PM	V-01009	approved	Remodel Purchasing Building									59	32	18											109
	PM	V-00992	approved	Rehabilitation of Structural Steel Commercial Lanes Canopies									74	90	84	89	59	42	44	46	40	46	44	42		700
	SR PM	V-TBD	proposed	AS1 Wing 4 Bathroom refurbish										51	35											86
	SR PM	V-TBD	future	AS1 & 3 Corridor and stairway refurbish																						
	SR PM	H-XXX	future	Terminals A & B QTA Fence Relocation																						
	SR PM	V-XXX	future	AS3 Wing 3 Bathroom refurbish																						
	SR PM	V-XXX	future	AS1 Wing 5 Bathroom refurbish																						
	SR PM	V-XXX	future	AS3 Wing 2 Bathroom refurbish																						
	SR PM	V-00986	future	AS4 Delta Club Window Replacement-Const																						
				Total:	36.3		48	176	176	88	156	160	168	211	164	110	59	42	44	46	40	46	44	42		1856.27
Tony Odendahl	Senior Ins	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation			30	138	132	126	42															468
	Asst PM	V-00988	approved	Beachline Warehouse Roof Replacement				38	44	34	142	160	10													428
	Asst PM	R-00102	approved	IT Building Roof Replace			6																			6
	Asst PM	R-00103	approved	West ARFF Roof Replace			6																			6
	Senior Ins	H-00359	approved	Pond Dredging Program FY23				32	88	84	92	24														320
	Asst PM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair			6																			6
	Asst PM	R-00104	approved	17L35R Vault Roof Replace									10	10	16	16										52
	Asst PM	V-01009	approved	Remodel Purchasing Building									30	26	14											70
	Asst PM	V-00992	approved	Rehabilitation of Structural Steel Commercial Lanes Canopies									20	58	63	69	59	42	44	46	40	46	44	42		573
	Asst PM	V-TBD	proposed	AS1 Wing 4 Bathroom refurbish										8	4											12
	Asst PM	V-XXX	future	AS3 Wing 3 Bathroom refurbish																						
	Asst PM	V-XXX	future	AS1 Wing 5 Bathroom refurbish																						
	Asst PM	V-XXX	future	AS3 Wing 2 Bathroom refurbish																						
				Total:			48	208	264	244	276	184	70	102	97	85	59	42	44	46	40	46	44	42		1941
Brittany Davis	Asst Proje	V-00988	proposal	Beachline Warehouse Roof Replacement						56	14															70
	Asst Proje	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation						8	16															24
	Asst Proje	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair						8	16															24
	Asst Proje	BP-049	proposal	Taxiways ABE4 Rehab										76	84	92	84	84	36	8						464
	Asst Proje	BP-00497	proposal	MCO Taxiways G&H-Phase 1										152	168	184	168	168	176	184	160	184	96			1640
				Total:						72	46			228	252	276	252	252	212	192	160	184	96			2222

March 10, 2023

Ardmore Roderick
11306 Terminal C Service Road
Orlando, FL 32824

Attention: Colin Paterson
cpaterson@ardmoreroderick.com

Reference: Laboratory Testing, Inspection & Engineering Services
(OIA) H-00328, Airside 3 Ramp Slab Rehabilitation
EEC PRO 189

Dear Mr. Paterson:

Elipsis Engineering & Consulting (EEC) is pleased to submit to you this unit rate proposal for engineering, laboratory testing and inspection services at the OIA H-00328, Airside 3 Ramp Slab Rehabilitation project**.** Attached you will find Exhibit One which denotes our estimated quantities and unit rates of lab services based upon information provided in the bid documents issued on January 18, 2023. Also, our phone conversation on 3/10/2023 confirmed that you are requesting laboratory testing services, field and engineering services for this project according to the P-306 and P-501 sections of the project manual where it is stated that the contractor will transport samples to the OAR laboratory for testing.

Elipsis Engineering & Consulting is an engineering consulting firm that was founded by a professional team with the experience that our clients need to accomplish successful projects and provides the highest quality service that each of our clients deserve. EEC's extensive experience and knowledge in each of these fields allows us to present innovative and superior solutions to engineering and construction projects. We are known for our unbeatable turnaround time and excellent customer service. We are ready, willing, and able to provide our services to you!

We appreciate the opportunity to submit our proposal to you. Should you have any questions concerning this information please do not hesitate to call. We look forward to working with you.

Sincerely,
Elipsis Engineering & Consulting, LLC

Sarah M. Blake
Sarah M. Blake
President

Attachments: Exhibit 1

_____
Proposal accepted by (PRINT)

_____
Title

_____

Signature of acceptance (Authorized signer for firm)

EXHIBIT One
Materials Testing Services
March 10, 2023
EEC PRO 189

Materials Testing Tasks	*Unit*	*Quantity*	*Unit Cost*	*Cost*
LABORATORY SERVICES				
Lean Concrete Compressive Strength Cylinders (P-306-6.1)	each	16	$40.00	$640.00
Concrete Beam Flexural Strength Test (P-501-3.3)	each	16	$75.00	$1,200.00
FIELD SERVICES				
Engineering Technician (if necessary for testing or sample transportation)	hour		$83.00	
Senior Inspector (if necessary for supplemental inspection services)	hour	156	$103.00	$16,068.00
ENGINEERING SERVICES				
Project Engineer (review and sign reports)	hour	3	$169.00	$507.00
			Proposed Budget Total	**$18,415.00**

NOTES:

1. P-306 and P-501 sections of the Project Manual require the contractor to transport samples to OAR laboratory for testing.
2. Laboratory Services rates listed above DO NOT include field sampling or transportation of samples to the OAR laboratory.
3. Field Services rates listed above would be applied in addition to the proposed budget total, if requested.

Elipsis Engineering and Consulting Rate Review
2/24/2023
Anser Advisory

METHODOLOGY:

Anser used the multiplier approach to determine the billing rates associated with the positions submitted by Elipsis. Base rates are derived from comparable market based salary data for same or similar positions from a national subscription service and the multiplier used for the calculations is the currently approved multiplier for Elipsis found in GOAA iPro system.

Positions and Rates recommended by Anser Advisory:

POSITION	RATE
Principal Engineer	237.00
Project Engineer	169.00
Project Manager	150.00
Compliance Specialist/Contract Support Specialist	106.00
Threshold Inspector	103.00
Sr. Inspector	103.00
Inspector	87.00
Sr. Engineering Technician	99.00
Engineering Technician	83.00

ELIPSIS ENGINEERING & CONSULTING, LLC

Remit Payment to:
330 S. Main Street
Winter Garden, Florida 34787

Total Amount Due This Invoice: $ 5,603.75

Date Prepared: 5/31/2023

Bill To: Ardmore Roderick
Attn: Colin Paterson/Cpaterson@ardmoreroderick.com

Invoice No: 23-229
EEC Project No.: 23005 A

Invoicing Period 5/1/2023-5/31/2023

Subconsultant Name: Elipsis Engineering & Consulting, LLC
Contact: Sarah Blake
Email contracts@elipsisec.com
FEID: 26-4284102

Project Name GOAA H-00328, Airside Ramp Slab Rehab

Invoice Summary

Description	Budget	Amount due this Period	Previous Billings	Total Billed to Date	Task Remaining
GOAA Add5 CA4-P1X Restart STC Testing Inspection EEO Compliance	$ 18,415.00	$ 5,603.75	$ -	$ 5,603.75	$ 12,811.25

Timesheet Summary

Personnel Name	Classification	Week Ending 3/24/2023	5/12/2023	5/19/2023	5/26/2023	6/2/2023	Total	Rate	Amount Due This Period
Ken Bechtel	Senior Inspector	0.00	5.50	5.00	11.00	4.00	25.50	$ 103.00	$ 2,626.50
David Sevcech	Senior Inspector	0.00	0.00	4.25	0.00	0.00	4.25	$ 103.00	$ 437.75
Greg Dickey	Senior Inspector	0.00	5.00	0.00	0.00	0.00	5.00	$ 103.00	$ 515.00
Tom Whitney	Project Engineer-Materials	1.75	0.00	2.50	0.00	0.00	4.25	$ 169.00	$ 718.25
Stuart Hightower	Project Engineer-Materials	0.00	0.00	0.75	0.25	0.25	1.25	$ 169.00	$ 211.25
								Total Hourly:	$ 4,508.75

Materials Testing Sample Log

Date	EEC Lab No.	Material Number	Sample Number	Atterberg Limits (189/T90)	Sieve Analysis	Percet Fines (Wash 200)	Hydrometer Analysis	Organic Content	Moisture Content	FM 5-550 Soil pH	FM 5-551 Soils Of Resistivity	FM 5-552 Soils Chloride	FM 5-553 Soils Sulfate	FM 5-515 LBR	T99 Standard/ T180 Modified Proctor	ASTM C109 Concrete Compressive Strength & Breaking	ASTM C78 Cflexural Beam Strength & Breaking
5/15/2023	23-0177	P152	E001V	1	1			1							1		
5/17/2023	C23-201	P306	LC0001V													5	
5/19/2023	C23-212	P306	LC0002V													4	
5/22/2023	C23-215	P306	LC0003V													3	
5/29/2023	C23-245	P306	LC0004V													5	
			Totals	1	1	0	0	1	0	0	0	0	0	0	1	17	0
			Unit Rates	$150.00	$75.00	$50.00	$95.00	$60.00	$50.00	$60.00	$65.00	$75.00	$65.00	$400.00	$130.00	$40.00	$75.00
Total Lab Invoicing:	$1,095.00		Total Per Test	$150.00	$75.00	$0.00	$0.00	$60.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$130.00	$680.00	$0.00

This invoice is true and accurate to the best of our knowledge.

Aleacia L. Spann

Aleacia Spann
Elipsis Engineering and Consulting LLC

Business Opearations Manager
Title

4/30/2023
Date

ELIPSIS ENGINEERING & CONSULTING, LLC

Remit Payment to:
330 S. Main Street
Winter Garden, Florida 34787

Total Amount Due This Invoice: $ 876.75

Date Prepared: 6/30/2023

Bill To: Ardmore Roderick
Attn: Colin Paterson/Cpaterson@ardmoreroderick.com

Invoice No: 23-255
EEC Project No.: 23005 A

Invoicing Period 05/31/2023-06/30/2023

Subconsultant Name: Elipsis Engineering & Consulting, LLC
Contact: Sarah Blake
Email contracts@elipsisec.com
FEID: 26-4284102

Project Name GOAA H-00328, Airside Ramp Slab Rehab

Invoice Summary

Description	Budget	Amount due this Period	Previous Billings	Total Billed to Date	Task Remaining
GOAA Add5 CA4-P1X Restart STC Testing Inspection EEO Compliance	$ 18,415.00	$ 876.75	$ 5,603.75	$ 6,480.50	$ 11,934.50

Timesheet Summary

Personnel Name	Classification	Week Ending 6/2/2023	6/9/2023	6/16/2023	6/23/2023	6/30/2023	Total	Rate	Amount Due This Period
Tom Whitney	Project Engineer-Materials	0.00	0.00	**0.50**	0.00	**0.25**	**0.75**	$ 169.00	$ 126.75
								Total Hourly:	$ 126.75

Materials Testing Sample Log

Date	EEC Lab No.	Material Number	Sample Number	Atterberg Limits (T89/T90)	Sieve Analysis	Percet Fines (Wash 200)	Hydrometer Analysis	Organic Content	Moisture Content	FM 5-550 Soil pH	FM 5-551 Soils Of Resistivity	FM 5-552 Soils Chloride	FM 5-553 Soils Sulfate	FM 5-515 LBR	T99 Standard/ T180 Modified Proctor	ASTM C109 Concrete Compressive Strength & Breaking	ASTM C78 (Flexural Beam Strength & Breaking
6/15/2023	C23-229	H-00328	CP10001V														2
6/16/2023	C23-319	H-00328	CP10002V														2
6/20/2023	C23-255	H-00328	CP10003V														2
6/21/2023	C23-256	H-00328	CP10004V														2
6/28/2023	C23-280	H-00328	CP10005V														2
			Totals	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
			Unit Rates	**$150.00**	**$75.00**	**$50.00**	**$95.00**	**$60.00**	**$50.00**	**$60.00**	**$65.00**	**$75.00**	**$65.00**	**$400.00**	**$130.00**	**$40.00**	**$75.00**
Total Lab Invoicing:	**$750.00**		**Total Per Test**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$750.00**

This invoice is true and accurate to the best of our knowledge.

Aleacia L. Spann

Aleacia Spann
Elipsis Engineering and Consulting LLC

Business Opearations Manager
Title

6/30/2023
Date

ELIPSIS ENGINEERING & CONSULTING, LLC

Remit Payment to: 530 S MAIN STREET, WINTER GARDEN, FL 34787

Total Amount Due This Invoice: $6,337.25

Date Prepared: 8/24/2023

Bill To: Ardmore Roderick
Attn: Colin Paterson/Cpaterson@ardmoreroderick.com

Invoice No: 23-308
EEC Project No.: 23005 A

Invoicing Period 07/01/2023-8/18/23

Subconsultant: Elipsis Engineering & Consulting, LLC
Contact: Sarah Blake
Email contracts@elipsisec.com
FEID: 26-4284102

Project Name GOAA H-00328, Airside Ramp Slab Rehab

Invoice Summary

Description	Budget	Amount due this Period	Previous Billings	Total Billed to Date	Task Remaining
GOAA Add5 CA4-P1X Restart STC Testing Inspection EEO Compliance	$ 18,415.00	$ 6,337.25	$ 6,480.50	$ 12,817.75	$ 5,597.25

Field Services

Personnel Name	Classification	Week Ending 7/7/2023	7/14/2023	7/21/2023	7/28/2023		Total	Rate	Amount Due This Period
Ken Bechtel	Senior Inspector	5.50	8.00	14.00	0.00		27.50	$ 103.00	$ 2,832.50
Greg Dickey	Senior Inspector	0.00	14.50	5.00	0.00		19.50	$ 103.00	$ 2,008.50
Ken Bechtel	Engineering Technician-Testing & Transporting	0.00	0.00	0.00	2.25		2.25	$ 83.00	$ 186.75
								Total Field:	$ 5,027.75

Engineering Services

Personnel Name	Classification	Week Ending 7/14/2023	8/18/2023				Total	Rate	Amount Due This Period
Stuart Hightower	Project Engineer-Materials	0.25	0.25				0.50	$ 169.00	$ 84.50
								Total Engineering:	$ 84.50

Laboratory Services

Date	EEC Lab No.	Material Number	Sample Number	ASTM C39 Concrete Compressive Strength & Breaking	ASTM C78 Cflexural Beam Strength & Breaking
7/14/2023	C23-365	P306	CNS0006V	2	
7/17/2023	C23-366	P306	CNS0007V	2	
7/18/2023	C23-370	P306	CNS0008V	2	
7/19/2023	C23-372	P306	CNS0009V	2	
7/20/2023	C23-376	P306	CNS0010V	2	
7/28/2023	C23-394	P501	CP10006VA		1
8/15/2023	C23-384	P501	CP10007V		2
8/11/2023	C23-385	P501	CP10006V		2
8/2/2023	C23-398	P501	CP10009VA		2
8/17/2023	C23-403	P501	CP10008V		2
8/18/2023	C23-404	P501	CP10009V		2
			Totals	10	11
			Unit Rates	$40.00	$75.00
Total Lab Invoicing:	$1,225.00		Total Per Test	$400.00	$825.00

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Max E. Marble, Senior Vice President, Capital Programs
(Prepared by Deborah McKeown)

DATE: November 21, 2023

RE: Request for Approval of an Addendum to the Continuing Program and Project Management Services with Cost Management, Inc. dba CMI for Cost Estimating Services for W-S00211, Terminal C, Phase 2, Program at the Orlando International Airport

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The Terminal C, Phase 2, Program will expand Terminal C to accommodate an additional 16 to 24 aircraft gates. Ricondo & Associates, Inc. has been tasked with the development of the Program Definition Document (PDD) for the Terminal C, Phase 2, Program, at the Orlando International Airport. The PDD will provide the programmatic requirements for the Program, an indicative preferred concept of operations, and an indicative facility layout to refine the Program cost and provide planning guidance to consultants who will prepare the detailed design of the Program.

Cost Management, Inc. dba CMI, as outlined in the Consultant's proposal, dated October 25, 2023, will provide the cost estimating services in support of the PDD development with Ricondo & Associates, Inc. Cost Management, Inc. dba CMI will participate in the various Terminal C, Phase 2, workshops, and subsequently prepare budget estimates based on information compiled from Ricondo & Associates, Inc. and other team members.

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: _____

The MWBE/LDB/VBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from previously-approved Capital Expenditure Funds. Funding source verified by Melvin Martinez of Construction Finance on 11/16/23 as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services with Cost Management, Inc. dba CMI for the services contained herein and amount as shown below:

Not to Exceed Fees	$216,240.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$216,240.00**
AAC – Compliance Review Date	SJ 11/03/23
AAC – Funding Eligibility Review Date	11/07/23

SUBJECT TO CFOC

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management, Inc. dba CMI for Cost Estimating Services for W-S00211, Terminal C, Phase 2, Program at the Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the limited and specialized scope of the services to be provided, Cost Management, Inc. dba CMI does not propose small business participation on this addendum.

Our analysis indicates that Cost Management, Inc. dba CMI is eligible for award of the subject addendum.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Owner's Representative

Estimating / Scheduling

Value Engineering

Life Cycle Costing

LEED Consulting

Constructability Review

Cashflow Projections

Change Orders

Claims Analysis

Contract Administration

Commissioning

Construction Auditing

Facilities Condition Assessment

Information Technology

Database Development

Program Management Software Modules

158 Terra Mango Loop

Suite B

Orlando, FL 32835

Tel: 407.293.4168

Fax: 407.293.0944

Website: www.cminc.biz

Email: cmi@cminc.biz

25 October 2023

Mr. Max Marble, PE, CM, LEED AP
Senior Vice President, Capital Programs
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

	CMI No. P-5319
Project: Greater Orlando Aviation Authority Terminal C Phase 2 – Cost Estimating Services	
Budget Estimating	$216,240.00
Total Not to Exceed Fees	**$216,240.00**
Two Hundred and Sixteen Thousand, Two Hundred and Forty Dollars.	

Dear Mr. Marble

We hereby submit our fee proposal to provide OAR Cost Consulting Services. Our understanding is that we will participate in Terminal C – Phase 2 workshops and subsequently prepare budget estimates based on information we will gather from the General Consultant and other team members.

SERVICES

We are pleased to provide the cost estimating services as indicated above and as described on the attached Breakdown of Fees form. The Estimates will be based substantially on approximate quantity take-offs and priced in accordance with specifications, if available. The single unit prices will be a composite of labor, material, and equipment, and will reflect prevailing construction rates in the locality of the project. The mark-ups (Detail & Pricing Allowance, General Conditions, Overhead, Fee, Bond, Escalation, etc.) will be based on reasonable percentages. The estimates will be presented in the GSA Building Elemental Uniformat report. We will need you to send us one printed half-size and one full-size set of the drawings, and one set of the PDF documents - drawings and specifications. We anticipate that we will complete the estimates approximately six weeks after receiving your approval and documents. We will send you the reports via e-mail. The services proposed herein will be provided under the direction of Ganesh Jiawon.

EXCLUSIONS

This proposal excludes: cost of drawings and specifications; formal or informal value engineering; travel outside of Central Florida; field office space rental, computers, printers copiers, and utilities; and travel outside of the Central Florida area.

PAYMENT

We will invoice in accordance with the terms of our Contract with the Authority.

Issued By:

CMI

Ganesh Jiawon
President

Accepted By:
Name:

Title:

Signature:

Date:

GREATER ORLANDO AVIATION AUTHORITY
TERMINAL C (PHASE 2) - COST ESTIMATING SERVICES
BREAKDOWN OF FEES

SCOPE / TASK TITLE	CHIEF ESTIMATOR **$225.00**	SENIOR COST ESTIMATOR (CIVIL/ ARCH/ STRUCT) **$159.00**	SENIOR COST ESTIMATOR (MECH) **$159.00**	SENIOR COST ESTIMATOR (ELEC) **$159.00**	TECHNICAL ASSISTANT **$84.00**	TOTAL
Budget Estimate						
						0
Pre-estimate Meetings & Workshops	48	48			12	**108**
Follow-up Research - Scope & Pricing	18	18	18	18	12	**84**
						0
Kick-off Estimating Meetings w/ General Consultant and/or GOAA	8	8	8	8	2	**34**
Site Visit	8	8	8	8		**32**
Review Documents & Assign Tasks	4	4	4	4	2	**18**
Set-up Estimate Files	4				16	**20**
Prepare Narrative / Queries /Assumptions	16	10	10	10	4	**50**
Quantity Take-off & Scope Evaluation - Architectural / Structural	12	160				**172**
Quantity Take-off & Scope Evaluation - HVAC / Plumbing / Fire Protection	12		124			**136**
Quantity Take-off & Scope Evaluation - Electrical	12			124		**136**
Quantity Take-off & Scope Evaluation - Sitework	12	80	40	40		**172**
Inputting		20	12	12		**44**
Pricing	8	60	40	40		**148**
Quality Control					40	**40**
Combining Est from all Disciplines					8	**8**
Draft Printing; Proof-reading; Editing					8	**8**
Submit Review Draft	2				2	**4**
Incorporate Comments	4	6	6	6	8	**30**
Final Review, Printing, PDF, Distribution	2				4	**6**
						0
Prepare Comparison for Reconciliation	16					**16**
Reconciliation Meetings	16	8	8	8	2	**42**
Prepare Final Reconciled Summary	16					**16**
						0
Close Out & File Documents					4	**4**
						0
Subtotal Hours - Budget Estimate	**218**	**430**	**278**	**278**	**124**	**1,328**
Subtotal Fee - Budget Estimate	$49,050.00	$68,370.00	$44,202.00	$44,202.00	$10,416.00	**$216,240**
Total Not-to-Exceed Fee						**$216,240.00**

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 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 (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 Aviation Authority, whichever is later.

Consultant Cost Management Inc. dba CMI

By: _____

Print Name: Ganesh Jiawon

Date: 10/18/2023

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Prepared by Don Corthell, PSA)

Date: **November 21, 2023**

Re: **Request for Recommendation of Approval of Amendment to Addendum No. 7 to the Continuing Program and Project Management Services with PSA Constructors, Inc. dba. PSA Management, Inc. for Construction Phase OAR Services for V-00982 MCO Campus Key & Lock Replacement**

On April 11th, 2023, the Construction Committee approved Addendum No. 7 in the amount of $108,346.00 to the above-referenced agreement for design phase OAR Services. On October 3, 2023, additional design phase fees were approved by the Construction Committee in the amount of $167,074.00 to manage the design through mid-December 2023. Since that time, it has been determined that Construction Phase OAR services will be needed starting mid-December through mid-June 2024 as furthered described in Consultant's attached proposal dated 10/31/23.

If approved, these services would be effective the date of Aviation Authority Board Approval.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience	☒ Available Personnel	☐ Current Workload
☒ Expertise	☐ Equitable Distribution	☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Florida Department of Transportation Grant and Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 11 / 16 / 23 as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of Amendment to Addendum (#7) to the Professional Services Agreement with PSA Constructors, Inc. dba PSA Management, Inc. for the services contained herein and amount as shown below:

CC
ITEM IV-Q
11/21/2023

Not to Exceed Fees	**$488,902.00**
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$488,902.00**
AAC-Compliance Review Date	SJ 11/14/23
AAC-Funding Eligibility Review Date	11/14/23

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Recommendation of Approval of Amendment to Addendum No. 7 to the Continuing Program and Project Management Services with PSA Constructors, Inc. dba. PSA Management, Inc. for Construction Phase OAR Services for V-00982 MCO Campus Key & Lock Replacement

We have reviewed the qualifications of the subject contract's DBE specifications and determined that PSA Constructors, Inc. dba PSA Management, Inc. proposes 28% DBE participation in this amendment.

Our analysis indicates that PSA Constructors, Inc. dba PSA Management, Inc. is eligible for award of the subject amendment

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

DBE UTILIZATION FORM FOR 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 Amendment to Addendum No. 7 to the Continuing Program and Project Management Services with PSA Constructors, Inc. dba. PSA Management, Inc. for Construction Phase OAR Services for V-00982 MCO Campus Key & Lock Replacement**

1. Construction Information:

Amendment Amount:

2. DBE 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 DBE Participation	-	**Actual Result**	

3.a. Prime Contractor Information:

Name:
Address:
City, State, Zip:
Telephone:

3.b. Name and Address of DBE 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:

Amendment Amount: **$488,902.00**

5. DBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	135,168.00	Actual Result	28%
Caucasian Female American	-	Actual Result	0%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total DBE Participation	**135,168.00**	**Actual Result**	**28%**

6.b. Engineering / Professional Service Firm Information:

Name: **The Roderick Group, Inc. dba Ardmore Roderick**
Address: **3361 Rouse Road Suite 140**
City, State, Zip: **Orlando, Florida 32817**
Telephone: **(321) 430-6710**

6.b. Name and Address of DBE Subconsultant

Name: **Geotech Consultants International, Inc.**
Address: 2290 N. Ronald Reagan Blvd. Suite 100
City, State, Zip: Longwood, FL 32750
Telephone: 407-331-6332

6.c. *Identity: Black American
Work Item(s): Senior Inspector
Amount of Subcontract $135,168.00
Percent of Prime Contract (%): 28%

*** In Items 3.c. and 6.c. above specify the identity of DBE Subcontractors and E/PS Firms (e.g. Black American, Hispanic American, Asian Subcontinent American, Asian Pacific American, Caucasian Female American, Native American & Other)**

October 31, 2023

Mr. Scott Shedek
Greater Orlando Aviation Authority
Vice President, Construction
11312 Terminal C Service Rd., Bldg. 16
Orlando, FL. 32824

RE: OAR Construction Phase Services for V-00982 MCO Campus Key & Lock Replacement

Dear Mr. Shedek,

PSA Management, Inc. is pleased to provide this proposal for Construction Phase OAR Support Services for the **V-00982 MCO Campus Key & Lock Replacement.** We request to staff this project with the personnel listed on the table below.

The PSA Team, along with our consultant MEDECCO and GOAA personnel have been working since May on developing the hierarchy plan, the new SimpleK Key machine implementation, mapping of spaces, developing the software/iPad implementation, and the assembly of the Bid Documents for the project.

The bid opening was held on October 11, 2023, with Board Approval anticipated in December 2023. The winning contractor will have 150 calendar days to reach substantial completion, which is anticipated to be mid-May 2024. To support the start of construction in December, and subsequently the continuation of cores delivered to the project, the Team will need to continue the compiling data i.e., coordinating with GOAA Security, Lock Shop, IT and Planning, mapping, and meeting with end users through the life of the project.

Our proposed staffing requirements and applicable unit rates to manage this project effectively through Final Completion is depicted in the attached schedules. The total submitted NTE value in the amount of $488,902.00 includes $353,734.00 in NTE Fees for PSA and $135,168.00 in NTE Fees for GCI.

Senior Project Coordinator	PSA	$110.00	400	$44,000.00
Assistant PM	PSA	$118.00	1024	$120,832.00
Project Coordinator	PSA	$89.00	1024	$91,136.00
Senior Project Manager	PSA	$248.00	230	$57,040.00
Senior Inspector	GCI	$132.00	1024	$135,168.00
Sr QA/QC Manager	PSA	$147.00	270	$39,690.00
Admin Assistant	PSA	$74.00	14	$1,036.00
			3986	$488,902.00

Thank you for giving us this opportunity to work together. Please reach out to me should you have any questions.

Sincerely,

Patrick Aliu, CSI, CGC, CCI, CCPM, CRA, PMI, BDIA
President/CEO

Orlando International Airport

V-0098 MCO Campus Key & Lock Replacement			31-Oct-23										
Construction Phase OAR Staffing Estimate													
Role	**Firm**	**Hourly Rate**	**Total Hours**	**Total Fee**									
Senior Project Coordinator	PSA	$110.00	400	$44,000.00									
Assistant PM	PSA	$118.00	1024	$120,832.00									
Project Coordinator	PSA	$89.00	1024	$91,136.00									
Senior Project Manager	PSA	$248.00	230	$57,040.00									
Senior Inspector	GCI	$132.00	1024	$135,168.00									
Sr QA/QC Manager	PSA	$147.00	270	$39,690.00									
Admin Assistant	PSA	$74.00	14	$1,036.00									
REIMBURSABLE EXPENSES:				$0.00									
SUBTOTAL				**$0.00**									
TOTAL:				**$488,902.00**									
MWBE/LDB PARTICIPATION	GCI	27.65	**% Participation**										
				$135,168.00									
SUBTOTAL				**$135,168.00**									
V-00982 Campus Key & Lock Replacement													
Construction Phase OAR Staffing Proposal													
						1/2 Mnth						1/2 Mnth	
Role	Individual	Firm	Expanded Role Information			Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Total
Senior Project Coordinato	Rebecca McKeown	PSA	Project Coordination/Mapping/Close-out			60	60	60	60	60	60	40	**400**
Assistant PM	Rene Morejon	PSA	Coordinate with Contractor and end users/mapping			80	176	168	168	176	176	80	**1024**
Project Coordinator	Jessica Charres	PSA	Provide Customer Service with Badging/Lock-Shop and End users/help map buildings			80	176	168	168	176	176	80	**1024**
Senior Project Manager	Don Corthell	PSA	Project Management/Team Leadership			40	40	40	40	40	20	10	**230**
Senior Inspector	Nabeel Aladham	GCI	Field Investigation/Confirmation of Doors/Hardware/Coordination/Mapping			80	176	168	168	176	176	80	**1024**
Sr QA/QC Manager	TBD	PSA	Field Investigation/Confirmation of Doors/Hardware/Coordination/Mapping			30	80	80	80	0	0	0	**270**
Admin Assistant	TBD	PSA	Home Office			2	2	2	2	2	2	2	**14**
Total Staff Hours													**3986**

Greater Orlando Aviation Authority																	
PSA Management, Inc.																	
Projected Hours by Task for FY23-24 (October 1, 2023 - September 30, 2024)																	
Legend:																	
Proposal submitted for review																	
Previously approved																	
Future proposal																	
Name	**Position**	**Project**	**Task Description**	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	#####	Sep-24	**TOTAL**
FOR CC AS OF 4/4/2023																
Jaime Olivo	QA/QC	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2	160	80	20										980
Dale Race	Senior Electrical Inspector	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2	80	60	20										510
																1490
			TOTAL													**2980**
Don Corthell	Senior Project Manager	E-00283	Runway 18L Vault Work													100
Rene Morejon	QA/QC	E-00283	Runway 18L Vault Work													115
			TOTAL													**215**
Don Corthell	Senior Project Manager	H-00359	Pond Dredging Program (FY 2023)	30												205
Becky McKewe	Sr. Project Coordinator	H-00359	Pond Dredging Program (FY 2023)	40												120
Rene Morejon	QA/QC	H-00359	Pond Dredging Program (FY 2023)	30												300
			TOTAL													**625**
Don Corthell	Senior Project Manager	E-00280	West Airfield Electrical Upgrades	15	15	10	10	10	10	10	10	5				150
Beck McKewen	Sr. Project Coordinator	E-00280	West Airfield Electrical Upgrades	15	15	15	15	15	15	20	20	20				150
Dale Race	QA QC Manager	E-00280	West Airfield Electrical Upgrades	15	15	15	15	15	21	20	20	20				186
Administration	TBD	E-00280	West Airfield Electrical Upgrades	2	2	2	2	2	2	2	2	2				28
			TOTAL													**514**
Don Corthell	Senior Project Manager	E-S00014	MCO Termianl C Departures Bridge and Ground Transportation Level Lighting Replacement	5												55
Becky McKeow	Senior Project Coordinator	E-S00014	MCO Termianl C Departures Bridge and Ground Transportation Level Lighting Replacement	20												20
TBD	Administrative Assistant	E-S00014	MCO Termianl C Departures Bridge and Ground Transportation Level Lighting Replacement	2												8
			Total													**83**
Don Corthell	Senior Project Manager	H-S0030	Terminal C Misc. Horizontal Construction	0												**24**
Rene Morejon	QA/QC Manager	H-S0030	Terminal C Misc. Horizontal Construction	10												**60**
Rebecca McKeown	Senior Project Coordinator	H-S0030	Terminal C Misc. Horizontal Construction	20												**20**
Admin Assistant	TBD	H-S0030	Terminal C Misc. Horizontal Construction	2												**8**
			TOTAL													**112**
Don Corthell	Senior Project Manager	E-S0016	Terminal C Misc Electrical Construction	10	10	8	2									**40**
Rene Morejon	QA/QC Manager	E-S0016	Terminal C Misc Electrical Construction	10	10	10	10									**55**
Rebecca McKeown	Senior Project Coordinator	E-S0016	Terminal C Misc Electrical Construction	10	10	10	10									**40**
TBD	Administrative Assistant	E-S0016	Terminal C Misc Electrical Construction	2	1	1	2									**8**
			Total													**143**
Don Corthell	Senior Project Manager	L-000080	MCO ACS/Rex Button Replacement	1	1	1	1									**5**
Dale Race	QA/QC Manager	L-00080	MCO ACS/Rex Button Replacement	10	5	5	5									**30**
Rebecca McKeown	Senior Project Coordinator	L-00080	MCO ACS/Rex Button Replacement	5	5	5	5									**20**
TBD	Administrative Assistant	L-00080	MCO ACS/Rex Button Replacement	1	1	1	1									**6**
			TOTAL													**61**
Don Corthell	Senior Project Manager	V-S0018	Terminal C Moving Walkways		15	15										**30**
Rebecca McKeown	Senior Project Coordinator	V-S0018	Terminal C Moving Walkways		15	11										**26**
TBD	Administrative Assistant	V-S0018	Terminal C Moving Walkways		1	1										**2**
			TOTAL													**58**
Don Corthell	Senior Project Manager	V-00982	MCO Campus Key & Lock Replacement	0	135	40										**175**
Rene Morejon	Ass. PM	V-00982	MCO Campus Key & Lock Replacement	80	155	72										**307**
Rebecca McKeown	Senior Project Coordinator	V-00982	MCO Campus Key & Lock Replacement	60	60	60										**180**
Jessica Charres	Project Coordinator	V-00982	MCO Campus Key & Lock Replacement	176	168	72										**416**
Admin Assistant	TBD	V-00982	MCO Campus Key & Lock Replacement	0	0	0										**0**
		Design Pha	**TOTAL**													**1078**
																0
Don Corthell	Senior Project Manager	V-00982	MCO Campus Key & Lock Replacement			40	40	40	40	40	20	10				**230**
Rene Morejon	Ass. PM	V-00982	MCO Campus Key & Lock Replacement			80	176	168	168	176	176	80				**1024**
Rebecca McKeown	Senior Project Coordinator	V-00982	MCO Campus Key & Lock Replacement			60	60	60	60	60	60	40				**400**
Jessica Charres	Project Coordinator	V-00982	MCO Campus Key & Lock Replacement			80	176	168	168	176	176	80				**1024**
Admin Assistant	TBD	V-00982	MCO Campus Key & Lock Replacement			2	2	2	2	2	2	2				**14**
Sr QA/QC Manager	TBD	V-00982	MCO Campus Key & Lock Replacement			30	80	80	80							**270**
		Constructio	**TOTAL**													**2962**

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 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 (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 Aviation Authority, whichever is later.

Consultant PSA MANAGEMENT, INC.

By

Print Name PATRICK ALIU

Date: 11/31/2023

GCI INC.

November 1, 2023

Mr. Don Corthell
Sr. Construction Manager
PSA Constructors, Inc.
800 N. Magnolia Ave
Suite 1850
Orlando, FL 32803

Subject: **V-00982 MCO Campus Key & Lock Replacement Construction Phase**
Orlando International Airport

Dear Mr. Corthell:

GCI Inc. is pleased to submit this proposal to provide OAR 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 services for the proposed project work will consist of providing assistance to PSA Constructors, Inc. staff for construction inspection and coordination services for day shift construction activities.

Our estimated man-hour requirements and applicable unit rates for completion of the project are attached to this proposal. The total contract value is estimated at **$135,168.00**. This amount consists of **$135,168.00** for Not to Exceed Fees and **$0.00** for Not to Exceed Expenses.

MWBE/LDB participation as proposed by GCI Inc. has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

The services for this project will be performed in accordance with the provisions of GOAA's standard agreement for professional services and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

We appreciate the opportunity to present this proposal and we look forward to working with PSA Constructors on this most important project. Should you have any questions or if we may be of further assistance, do not hesitate to contact the undersigned.

Sincerely,

GCI Inc.

for Jamie McMonagill
Owusu Amaning
Managing Principal

Orlando International Airport

V-00982 MCO Campus Key & Lock Replacement Construction Phase **1-Nov-23**

Construction Phase OAR Staffing Estimate

Role	Individual	Firm	2023	2024						Total
			Dec	Jan	Feb	Mar	Apr	May	Jun	
Sr. Inspector	N. Aladham	GCI	80	176	168	168	176	176	80	**1,024**
TOTAL STAFF HOURS			**80**	**176**	**168**	**168**	**176**	**176**	**80**	**1,024**

Orlando International Airport

V-00982 MCO Campus Key & Lock Replacement Construction Phase 1-Nov-23

Construction Phase OAR Staffing Estimate

111/141/14/23

Role	Firm	Hourly Rate	Total Hours	Total Fee
Sr. Inspector	GCI	$132.00	1,024	$135,168.00
SUBTOTAL			**1,024**	**$135,168.00**
REIMBURSABLE EXPENSES:				$0.00
SUBTOTAL				**$0.00**
TOTAL:				**$135,168.00**
MWBE/LDB PARTICIPATION:			**% Participation**	
		$0.00	0.00%	$0.00
SUBTOTAL				**$0.00**

Greater Orlando Aviation Authority

GCI Staff Extension Forcast for FY24

Legend:

Proposal submitted for review
Previously approved
Funds needed to finish
Future proposal

Updated: 11/01/23

				168	176	176	160	176	168	168	176	176	160	176	176	168	184	160	
Name	**Position**	**Project**	**Task Description**	23-Sep	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Total Hours
A. Parker	Project Coordinator II																		
C. Hernandez	Sr. Project Coordinator	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		30	30	30												90
		V-01002	Terminal A and B Center Core CCTV Installation		5	5	5												15
		V-1003	Annex Campus Security Infrastucture (ACS Installation - IT /Motor Pool /Maintenance Shop)			10	10	10	10										0
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost																0
		BP-S00193	South Employee Parking Lot		25	25	19												69
		W-00453	A/S 2 & 4 APM Replacement Program Mgmt. & Oversight		84	84	84	84	84	84	168	168	160	168	168	168			1504
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)		20	20	20												60
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					20	20	20									60
		V-S000TBD	STC Egress Stair Vision Screen		3	3	3	2											11
		V-S000TBD	Completion of Unfinished Scope from Project BP-S00187			4	5	7	7	5	0								28
			Total		**167**	**181**	**176**	**123**	**121**	**109**	**168**	**168**	**160**	**168**	**168**	**168**			**1877**
N. Supaswud	Sr. Project Coordinator	FY24	Small Projects Staff Extension		132	126	120	132	126	126	132	132	120	132	132	120			1530
		XXX	MCO Level 1 Office Space Design Proposal																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)																
		V-1006	Airside 3, Wing 1 Ramp Level Upgrades, OIA		20														20
		Total			**152**	**126**	**120**	**132**	**126**	**126**	**132**	**132**	**120**	**132**	**132**	**120**			
L. Antoine	Ast. Project Manager (Office)	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		60	60	30												150
		H-S00029	Airfield Civil Restart Enabling Work		32	32													64
		XXX	MCO Level 1 Office Space Design Proposal																
		V-982	MCO Campus Key & Lock Replacement - Jamie to confirm with Don					88	84	84	88	88	80						
		H-S00027	Temporary Quick-Turn-Around Facility - Nov. 30th		20														20
		V-01010	MCO Terminal A East Level 1 Office Creation		10	13	13	13	13	13	13	13	13						114
		Total			**122**	**105**	**43**	**101**	**97**	**97**	**101**	**101**	**93**	**0**					**860**
M. Murnane	Sr. Contract Admin.																		
		Total																	
J. McGonagill	Sr. Project Manager	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		80	60	30												170
		V-01002	Terminal A and B Center Core CCTV Installation		10	10	5												25
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost		30	40	40												110
		BP-S00193	South Employee Parking Lot		30	30	30												90
		XXX	MCO Level 1 Office Space Design Proposal																
		E-281	AS 4 PA Upgrades - On hold until Jan.																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)		20	30	30												
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					88	84	84	88	88	80	88	88	84			772
		V-981	Hyatt 4th Floor Water Heater Piping Repairs (D/B)																
		V-1003	Annex Campus Security Infrastucture (ACS Installation - IT /Motor Pool /Maintenance Shop)				20	24	20										
		XXXX	LS Level 1, 2, 3 PA Upgrades - On Hold																
		XXXX	West Checkpoint Ceiling - On Hold																
		V-S000TBD	STC Egress Stair Vision Screen		5	5	5	5											20
		V-01010	MCO Terminal A East Level 1 Office Creation		8	8	8	8	8	8	8	8	8						72
		E-S0019	Terminal C Exit Signage in Landside and Airside		1	5	5	5											16
		V-S000TBD	Completion of Unfinished Scope from Project BP-S00187			8	12	11	10	10	3								54
		Total			**183**	**196**	**185**	**141**	**122**	**102**	**99**	**96**	**88**	**88**	**88**	**84**			**1472**
J. Pancoast	Project Manager		Small Projects Staff Extension FY24		0	66	120	132	126	126	132	132	120	132	132	120			1338
		E-00275	Common Use and Biometric Expansion A/S 2																
		E-00276	Common Use and Biometric Expansion A/S 3																
		E-XXX	East Security Checkpoint Temperature Issue																
		H-344	Colonial Prom. East Parking Lot & Gear Lake Ave Rehab																
		H-345	Colonial Promenade Landscape Upgrades																
		H-357	MCO Fiber Optic Cabinet Additional Protection																
		H-XXX	Storm Gates at East Airfield Bypass Canal																
		V-976	Smart Bathroom Pilot Project																
		V-XXX	A & B Garages Entrance Canopies Rehabilitation																
		V-XXX	A & B Garages Exit Canopies Rehabilitation																
		V-XXX	A & B Side Tunnel Floor Support Replacements																
		V-XXX	Skylight Frame Painting West Great Hall																
		V-XXX	Vertical Circulation Core Ceiling Repair A & B Sides																
		V-XXX	Garage A & B Elevator Window Sealant Rehab																
		V-XXX	North Terminal Main Computer Room Electrical and HVAC Upgrades (CIR00921)																
		V-XXX	ORL Colonial Promenade Retail Area 4676 Upgrade																
		V-XXX	ORL Colonial Promenade Retail Area 4676 Add Alt.																
		V-XXX	AS 2 Hub Skylight Cable Tentioning																
		Total			**0**	**66**	**120**	**132**	**126**	**126**	**132**	**132**	**120**	**132**	**132**	**120**			
T. Burke	Project Manager		Operational Readiness Staff Extension FY24		158	151	144	158	151	151	158	158	144	158	158	144			1833
		Total			**158**	**151**	**144**	**158**	**151**	**151**	**158**	**158**	**144**	**158**	**158**	**144**			
V. Martinez	Project Manager																		

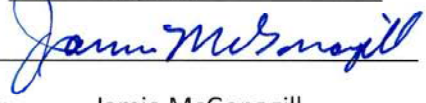
		Total																			
W. Beltran	Project Manager		Operational Readiness Staff Extension FY24		176	168	160	176	168	168	176	176	160	176	176	160			2040
		Total			**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**			
J. Panzella	Safety Project Manager III		PMO South Terminal Projects **ENDS 2/26**		176	168	160	176	168	168	176	176	160	176	176	160			**2040**
		Total			**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**0**	**0**	
N. Edwards	PM (Safety Director)	BP-S00199	Train Station Passenger Drop-Off Lobby Parking Lot D/B Phase 2		40	30													70
		V-01002	Terminal A and B Center Core CCTV Installation		4	4													8
			Safety Staff Extension FY24		132	168	160	176	168	168	176	176	160	176	176	160			1996
		Total			**176**	**202**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**			**2074**
D. Batdorf	Sr. Inspector	BP-496	Rehabiliation of Taxiway L,N, & Taxiway Connector N1 Through N6 - WSP to let us know the hrs																0
		BP - 497	MCO Taxiways G & H BASE				160	176	168	168	176	176	160	100	50				1334
		BP- 049	Taxiways A, B, & E4 Rehabilitation			88													88
		Total			**0**	**88**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**100**	**50**	**0**	**0**	**0**	
N. Aladham	Sr. Inspector I	**E-281**	**AS 4 PA Upgrades**																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)					40	80	168	176	176	160	176	176	168			1320
		BP-S00191	STC Buildout of Tenant Space Program Soft Cost		50	50	40												140
		V-S00982	MCO Campus Key & Lock Replacement Construction Phase		80	80	80	176	168	168	176	176	80						1184
		V-S00043	STC Egress Stair Vision Screen		10	10	10	5											35
		E-S0019	Terminal C Exit Signage in Landside and Airside		1	6	5		5										17
		V-S00044	Completion of Unfinished Scope from Project BP-S00187			8	12	15	13	12	3								63
		Total			**141**	**154**	**147**	**236**	**266**	**348**	**355**	**352**	**240**	**176**	**176**	**168**			
R. Dobbyn	Sr. Inspector I - Civil	H-S00029	Airfield Civil Restart Enabling Work		60	60													120
	Sr. Inspector/APM	BP-049	Taxiways A,B, & E4 - Rehabilitation			88	60	88	84										320
	APM	BP - 497	MCO Taxiways G & H BASE			88	80	88	84	168	176	176	160	160	56				1236
		Total			**60**	**236**	140	176	168	168	176	176	160	160	56	0			
J. McCuddy	Sr. Inspector I - Electrical		PMO South Terminal Projects **ENDS 12/25**: Working with Brian Powers		96	88	10												
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (DCP)																
		V980	CCTV R &R Phase 1 - Landside Terminal A&B (D/B) (Construction)																
		E-S00014	Terminal C Replacement of Departures Bridge & Ground Transportation LED Strip Lights	5	5														**10**
		V-S0033	Terminal C, CBP and TSA Regulatory Changes (D/B)	45	0	0	6	16	16	40	40	38							**201**
		W-00490	MCO CR Program Oversight Services		120	160	160	160	160										**760**
		Total		**5**	**221**	**248**	**176**	**176**	**176**	**40**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
M. Penoyar	Sr. Elect/Mech Insp.		PMO South Terminal Projects ENDS **12/25**		176	168	160	176	168	168	176	176	160	176	176	160			**2040**
		Total			**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**0**	**0**	

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: GCI, Inc.

By: 

Print Name: Jamie McGonagill

Date: 11/01/23

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**

Date: **November 21, 2023**

Re: **Request for Approval of an Amendment to Addendum 11 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for Construction Phase Owner's Authorized Representative Services for V-00992 Rehabilitation of Structural Steel Commercial Lanes Canopies, Orlando International Airport**

On October 3, 2023, the Construction Committee approved Addendum 11 in the amount of $186,355 to the above-referenced agreement. Since that time, it has been discovered that an evaluation of the existing PTFE canopy system is required to determine if the existing canopies should be reused or replaced as further described in Consultant's proposal, dated November 7, 2023.

If approved, these services would be effective November 21, 2023.

This continuing consultant was selected for this task based on (☑ all that apply):

☒ Experience ☒ Available Personnel ☐ Current Workload

☐ Expertise ☐ Equitable Distribution ☐ Other:_____

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.
Funding is from previously approved Capital Expenditure Fund 308.631.611.5660003.000.501524. Funding source verified by _____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve the Amendment to Addendum 11 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for the services contained herein and amount as shown below:

Not to Exceed Fees	$0.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$5,250.00
TOTAL	**$5,250.00**
AAC – Compliance Review Date	
AAC – Funding Eligibility Review Date	

CC
ITEM IV-R
11/21/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of an Amendment to Addendum 11 to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for Construction Phase Owner's Authorized Representative Services for V-00992 Rehabilitation of Structural Steel Commercial Lanes Canopies, Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that The Roderick Group, Inc. dba Ardmore Roderick does not propose small business participation on this amendment.

Our analysis indicates that The Roderick Group, Inc. dba Ardmore Roderick is eligible for award of the subject amendment.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

Ardmore Roderick

November 7, 2023

Mr. Scott Shedek
Director of Construction
GREATER ORLANDO AVIATION AUTHORITY
11314 Terminal C Service Road
Orlando, FL 32824

Subject: V-00992 Rehabilitation of Structural Steel Commercial Lanes Canopies Change Order 01
Orlando International Airport (MCO)

Dear Mr. Shedek,

Ardmore Roderick is pleased to submit this proposal to provide a visual inspection of the canopies on the A-side and B-side Commercial lanes and provide a report indicating the condition of the PTFE membrane, cables, and perimeter clamping, areas of concern and recommendations 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.

Bird Air will be performing the evaluation and providing the report.

Our estimated man-hour requirements and applicable unit rates for completion of the project are attached to this proposal. The total contract value is estimated at **$5,250.00**. This amount consists of $0.00 for Not to Exceed Fees and $5,250.00 for Not to Exceed Expenses.

The services for this project will be performed in accordance with the provisions of GOAA's standard agreement for professional services and as indicated in the attached project schedule showing the proposed staffing levels for the duration of the project.

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 contact the undersigned.

Sincerely,

Ardmore Roderick

Colin Paterson
Sr. Project Manager – Aviation

P: 321.430.6710
F: 773.289.0567
www.ArdmoreRoderick.com

3361 Rouse Road
Suite 140
Orlando, Florida 32817

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: Ardmore Roderick_____

By: _____

Print Name: Colin Paterson, CCM__

Date: _____

Greater Orlando Aviation Authority
Orlando International Airport

V-00992 Rehabilitation of Structural Steel Commercial Lanes Canopies 11/7/2023

Change Order 01

Role	Individual	Firm	Hourly Rate	Total Hours	Total Fee
Staffing:					
Subtotal					**$ -**
Not to Exceed Expenses:					
Bird Air					$ 5,250.00
Subtotal					**$ 5,250.00**
Total:					**$ 5,250.00**

DBE / MWBE / LDB Participation

Firm	MBE	MWBE	LDB	Fee	% Participation
					0%
					0%
					0%
					0%
					0%
Total:					**0%**

Proposal

Date: 11/06/23
Project: Orlando Airport Canopy Evaluation
Client: Ardmore Roderick for GOAA
Contact: Mr. Colin Patterson

Description

The structures include the existing A-Side and B-Side Arrivals & Departures Canopies constructed with steel framing and PTFE membrane. The canopy structures were installed in the mid 1990's and are showing signs of wear and in some cases failure. Birdair was asked to perform an inspection of the canopies and provide a written evaluation for each.

Scope of Work

Birdair will perform a two (2) day on-site visual inspection of the canopies and provide a report indicating the condition of the canopies, including the PTFE membrane, cables, and perimeter clamping. The steel evaluation is NOT included in this proposal. The inspection will be performed from ground level without access equipment, during normal daytime working hours. A report will be provided indicating areas of concern, and recommendations.

Pricing

Our price to perform the above-described work is $5,250.00.

Assumptions

- We are prepared to perform the evaluation of the canopies on November 13th & 14th.
- Access to the immediate area adjacent to the canopies.
- Vehicle access adjacent to or near the canopies.
- The use of Binoculars, the ability to take photos or video of the canopies for use in our reports.

Signatures

Accepted by: _____ By: Joe Magiera JM

Title: _____ Director of Pre-Construction

**This price is valid for 30 days.*

Birdair, Inc.
6461 Main Street
Amherst, NY 14221 USA
Phone: 716-633-9500
Fax: 716-204-1234
www.birdair.com
A TAIYO KOGYO COMPANY

Name	Position	Project #	Project Status	Description	2023									2024												Total
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
22-034 OAR																										
Colin Paterson	PM	V-00986	approved	AS4 Delta Club Window Replacement-Design	36.3																					36.27
	PM	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation			13	20	16	8	14	16														87
	PM	V-00988	approved	Beachline Warehouse Roof Replacement				57	72	40	82	76														327
	PM	R-00102	approved	IT Building Roof Replace			12	29	29																	70
	PM	R-00103	approved	West ARFF Roof Replace			11	48	29																	88
	PM	EP-00373	approved	A Side Commercial Curb Canopy Hurricane membrane repair						16	46	42														104
	PM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair			12	22	30	24	14	26														128
	PM	R-00104	approved	17L35R Vault Roof Replace									35	38	27	21										121
	PM	V-01009	approved	Remodel Purchasing Building									59	32	18											109
	PM	V-00992	approved	Rehabilitation of Structural Steel Commercial Lanes Canopies									74	90	84	89	59	42	44	46	40	46	44	42		700
	SR PM	V-TBD	proposed	AS1 Wing 4 Bathroom refurbish										51	35											86
	SR PM	V-TBD	future	AS1 & 3 Corridor and stairway refurbish																						
	SR PM	H-XXX	future	Terminals A & B QTA Fence Relocation																						
	SR PM	V-XXX	future	AS3 Wing 3 Bathroom refurbish																						
	SR PM	V-XXX	future	AS1 Wing 5 Bathroom refurbish																						
	SR PM	V-XXX	future	AS3 Wing 2 Bathroom refurbish																						
	SR PM	V-00986	future	AS4 Delta Club Window Replacement-Const																						
				Total:	36.3		48	176	176	88	156	160	168	211	164	110	59	42	44	46	40	46	44	42		1856.27
Tony Odendahl	Senior Ins	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation			30	138	132	126	42															468
	Asst PM	V-00988	approved	Beachline Warehouse Roof Replacement				38	44	34	142	160	10													428
	Asst PM	R-00102	approved	IT Building Roof Replace			6																			6
	Asst PM	R-00103	approved	West ARFF Roof Replace			6																			6
	Senior Ins	H-00359	approved	Pond Dredging Program FY23				32	88	84	92	24														320
	Asst PM	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair			6																			6
	Asst PM	R-00104	approved	17L35R Vault Roof Replace									10	10	16	16										52
	Asst PM	V-01009	approved	Remodel Purchasing Building									30	26	14											70
	Asst PM	V-00992	approved	Rehabilitation of Structural Steel Commercial Lanes Canopies									20	58	63	69	59	42	44	46	40	46	44	42		573
	Asst PM	V-TBD	proposed	AS1 Wing 4 Bathroom refurbish										8	4											12
	Asst PM	V-XXX	future	AS3 Wing 3 Bathroom refurbish																						
	Asst PM	V-XXX	future	AS1 Wing 5 Bathroom refurbish																						
	Asst PM	V-XXX	future	AS3 Wing 2 Bathroom refurbish																						
				Total:			48	208	264	244	276	184	70	102	97	85	59	42	44	46	40	46	44	42		1941
Brittany Davis	Asst Proje	V-00988	proposal	Beachline Warehouse Roof Replacement						56	14															70
	Asst Proje	H-00328	approved	FY23 AS 3 Ramp Slab Rehabilitation						8	16															24
	Asst Proje	V-00997	approved	MCO A-Side Canopy Structural Steel Repair Steel Repair						8	16															24
	Asst Proje	BP-049	proposal	Taxiways ABE4 Rehab										76	84	92	84	84	36	8						464
	Asst Proje	BP-00497	proposal	MCO Taxiways G&H-Phase 1										152	168	184	168	168	176	184	160	184	96			1640
				Total:										228	252	276	252	252	212	192	160	184	96			2104

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Max E. Marble, Senior Vice President, Capital Programs
(Prepared by Deborah McKeown)

DATE: November 21, 2023

RE: Request for Approval of an Addendum to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. for Program Definition Document Support for Terminal C, Phase 2, Program at the Orlando International Airport

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Consultant's proposal, dated October 17, 2023, is to provide support for the Program Definition Document with Ricondo & Associates, Inc. for the future gate expansion at Terminal C.

If approved, services will be effective the date of Construction Committee approval.

The MWBE/LDB/VBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from _____. Funding source verified by _____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. for services contained herein and amount as shown below:

Not to Exceed Fees	$71,016.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$71,016.00**
AAC – Compliance Review Date	
AAC – Funding Eligibility Review Date	

CC
ITEM IV-S
11/21/2023

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: November 21, 2023

RE: Request for Approval of an Addendum to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. for Program Definition Document Support for Terminal C, Phase 2, Program at Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the limited and specialized scope of the services to be provided, Jacobs Project Management Co. does not propose small business participation on this addendum.

Our analysis indicates that Jacobs Project Management Co. is eligible for award of the subject addendum.

Orlando International Airport
One Jeff Fuqua Boulevard, Orlando, Florida 32827
407-825-2001

October 17th, 2023

Mr. Max Marble
SR VP Capital Programs

Greater Orlando Aviation Authority
Orlando International Airport
One Jeff Fuqua Blvd
Orlando, FL 82827

Subject: Amendment 4 Gates Project Definition Support

Dear Mr. Marble,

Jacobs Program Management Co. is pleased to provide staff to support the Greater Orlando Aviation Authority's efforts to define the future Gate Expansion Project. Please find the proposal scope and fee in the following documentation.

We greatly appreciate the opportunity to provide this proposal, and if you have any questions please do not hesitate to ask.

Sincerely,

Brad Miller | Jacobs | Aviation Program Manager, VP
M: 303.618.4335 | brad.miller@jacobs.com

Scope

Jacobs Project Management Co. (Jacobs) is pleased to provide Executive Program Management and Oversight (EPMO) staff as outlined in the attached Staff Schedule. These roles have been requested by the Greater Orlando Aviation Authority (GOAA) to support the Program Definition Document effort, managed by Ricondo, for a future gate expansion. As requested, Jacobs will provide feedback, and input, while attending meetings (15) held by Ricondo, as provided in the attached schedule.

Schedule and Estimated Fee Table

The total estimated fee for this scope is not to exceed **$71,016**. The basis of payment for this scope is time and materials. It is expected that the fee will be expended in accordance with the schedule shown in the attached Staff Schedule, which is based on the attached meeting schedule provided by Ricondo. Monthly invoices will be submitted to GOAA. Actual labor hours and allowable expenses will be billed in accordance with the Agreement for Professional Services.

Other Assumptions and Clarifications

- This scope of work assumes a Notice to Proceed based upon GOAA Construction Committee approval on November 11, 2023.
- Rates provided are approved by GOAA within the Agreement for Professional Services inclusive of a $35 Travel Premium for Jim Pantina.
- An estimated travel allowance is included for Jim Chilton. Approval of this proposal by the GOAA Construction Committee denotes approval to travel per the travel plan details provided in the attached Staff Schedule. Approval further deems that the terms of the GOAA Travel Policy have been met. If the expenses are approved, and exceed the given allowance, Jacobs will present an amendment proposal to GOAA, for approval consideration, to cover these costs.
- Other relatable items not covered in this scope include computer equipment, software, communications network, office space or furniture.

ADDENDA 4 GATE EXPANSION PROJECT DEFINITION SUPPORT
STAFF SCHEDULE

Position	Team Member	Planned Hrs	Billing Rate inclusive of $35 per hr travel premium	TOTAL
EXECUTIVE PMO DIRECTOR	**BRAD MILLER**	28	$307	$8,596
SR PROGRAM MANAGEMENT ADVISOR	**JIM CHILTON**	132	$354	$46,728
CONTRACT MANAGEMENT DIRECTOR	**JIM PANTINA**	28	$319	$8,932
CA ENGINEERING		16	$110	$1,760
			TRAVEL	$5,000
			TOTAL	**$71,016**

JIM CHILTON TRAVEL PLAN

ESTIMATED EXPENSES **TRAVEL FOR 9 MEETINGS (BASED ON GSA RATES AND MEETING SCHEDULE PROVIDED BY RICONDO)**

$1,440 HOTEL (BASED ON $160 PER NIGHT AVERAGE FROM 2024 GSA RATES FOR 9 NIGHTS)

OCT	NOV	DEC	JAN	FEB	MAR	APR	
	1		1	2	2	2	1
	$140		$140	$170	$170	$170	$140
				$170	$170	$170	

$1,604 GSA MILEAGE 270 MILES ROUND TRIP TAMPA TO ORLANDO, PLUS LOCAL MILEAGE, FOR 9 MEETINGS (2,430 MILES TOTAL)

$936 PER DIEM TWO DAYS EACH TRIP ($52*2 TRAVEL DAYS*9 MEETINGS)

$3,980 TOTAL TRAVEL ESTIMATE BASED ON 2024 GSA

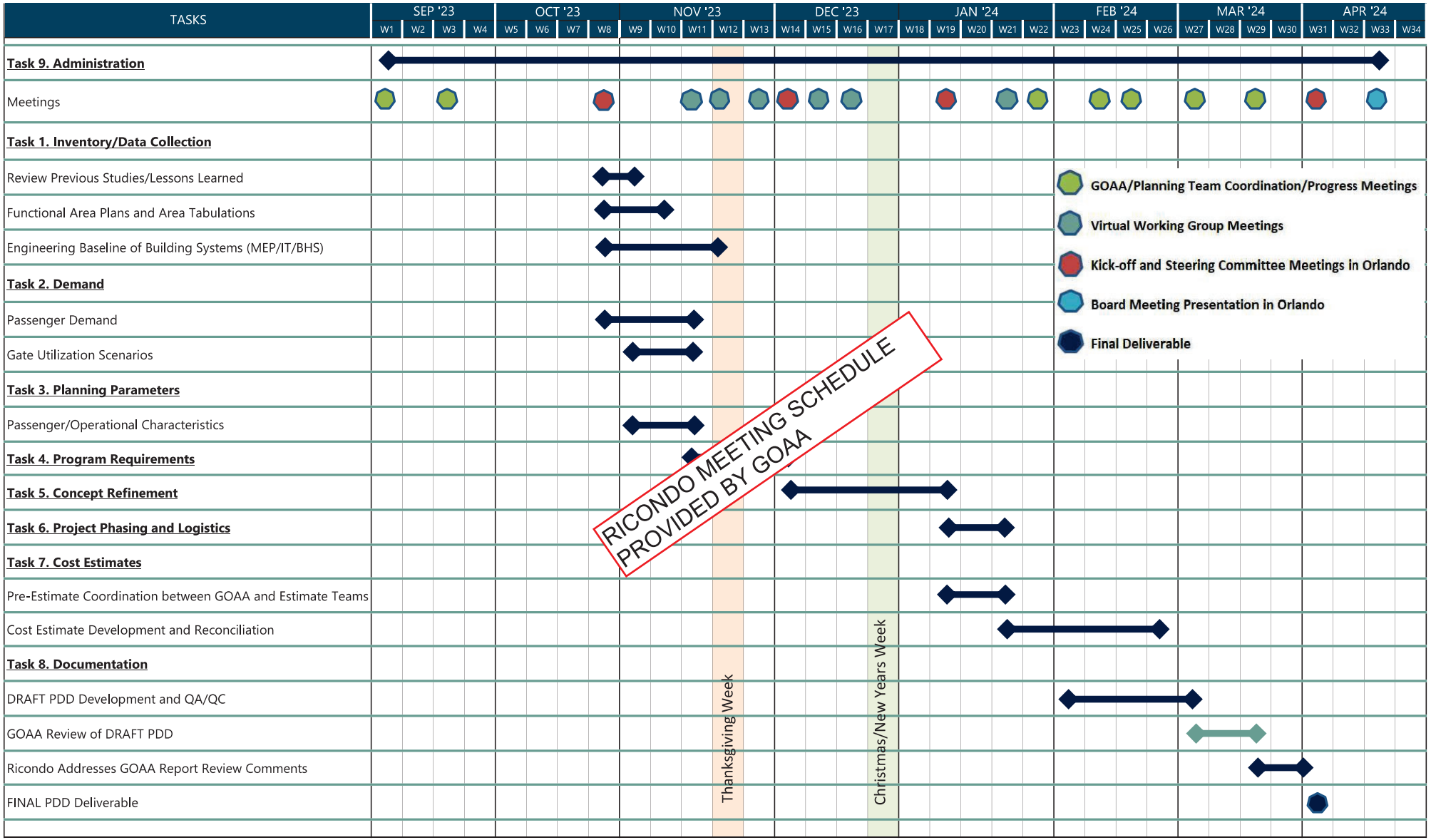
EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL

TABLE C-1

PROJECT SCHEDULE

Terminal C Phase 2 Program Definition Document

MCO Terminal C Phase 2 - Initial Project Schedule Proposal - Assumes Project Kick-off meeting by October 24, 2023



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 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 (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 Aviation Authority, whichever is later.

Consultant: Jacobs

By:

Print Name: Thomas J. Meinhart

Date: October 19, 2023

Information Items

INFORMATION ITEM
SUPPLEMENTAL
INFORMATION

Project Controls
Field Change Order (FCO) Tracking Log

Project	OAR or PM	FCO No.	Amount	FCO Date	CCM Date FCO Converted to
BP-S00193	J. McGonagill	18	$ 35,836.26	19-May-23	Open
BP-S00193	J. McGonagill	19	$ 6,402.00	19-May-23	Open
BP-S00193	J. McGonagill	24	$ 8,711.34	18-Aug-23	Open
BP-S00195	S. Mizell	04	$ 50,000.00	5-Jun-23	Open
BP-S00195	S. Mizell	06	$ 2,500.00	11-Jul-23	Open
BP-S00195	S. Mizell	07	$ 37,800.00	14-Jul-23	Open
BP-S00195	S. Mizell	08	$ 10,000.00	17-Aug-23	Open
BP-S00195	S. Mizell	10	$ 35,000.00	5-Sep-23	Open
BP-S00195	S. Mizell	11	$ 20,000.00	5-Sep-23	Open
BP-S00199	J. McGonagill	04	$ 37,434.00	19-Oct-23	Open

INFORMATION ITEM
Original CCM
9/19/2023
Item No. III-H
Revised Info Item

GREATER ORLANDO AVIATIO

Orlando Inter[illegible]
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President, Construction**
(Prepared by Deborah McKeown)

Date: **September 19, 2023**

Re: **Request for Recommendation of Approval of an Amendment to Addendum No. 3 to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. to provide Additional Core Team Executive Project Management and Oversight (PMO) Services for Terminal C Programs for W-S00149 Program Management and Oversight (PMO) Services for Terminal C Programs at the Orlando International Airport**

On August 16, 2023, the Aviation Authority Board approved Addendum No. 3 in the amount of $13,233,846.00 for Core Team Executive Project PMO Services for Terminal C to the above-referenced agreement. Since that time, Jacobs Project Management Co. has submitted its proposal for its additional Executive Project PMO Staffing Plan, as furthered described in Consultant's proposal, dated September 12, 2023.

If approved, these services would be effective October 1, 2023.

The attachment entitled "MCO Staffing Plan Proposal – Addenda 3 Amendment 1 – September Board" includes several cost items that are to be used as not-to-exceed allowances and are subject to further refinement. Payment for these costs will not be authorized until Jacobs submits and GOAA reviews and approves the back-up and basis for those cost items as information items at the Authority's Construction Committee. The proposal costs include the following items:

- Labor escalation
- Other direct costs:
  - Vehicle allowances
  - Other services/consultants
  - Airfield Program management Coordination Allowance (1000 hours x $210)
  - UES for Threshold Special Inspection Services

The DBE participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from FDOT Grants to the extent eligible, Passenger Facility Charges to the extent eligible, Customer Facility Charges to the extent eligible, and General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 09/18/23 as correct and available.

CC
ITEM V-B
9/26/2023

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Amendment to Addendum No. 3 to the Executive Program Management and Oversight Services for Terminal C Programs Agreement (WS149) with Jacobs Project Management Co. for the services contained herein and amount as shown below:

Not to Exceed Fees	$9,752,655.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$1,744,547.00
TOTAL	**$11,497,202.00**
AAC – Compliance Review Date	CW 9/15/2023
AAC – Funding Eligibility Review Date	9/18/2023

Below, Exhibit A, Program Budgets Breakdown as shown in the proposal for this Amendment:

Project	Jacobs Total	Subs Total	Total
Airside Gates Project	$2,801,607	$4,096,714	$6,898,321
Ground Transportation Facility Project	$700,402	$1,024,179	$1,724,581
Airfield Project	$4,669,345	$6,827,857	$11,497,202

Exhibit B, proposed allocation of previously undefined scope, that is now defined under the Program below, for this Amendment:

Airsides Gates Project	Current Budget for Other Services/Consultants Undefined Scope Allowance – AMD 001	Proposed Change	Remaining Budget Balance for Other Services/Consultants Undefined Scope Allowance – AMD 001
Not to Exceed Expenses	$450,000	($55,871.03)	$394,128.97
Not to Exceed Fees	$0.00	$0.00	$0.00
TOTALS	$450,000	($55,871.03)	$394,128.97

Jacobs

Memo

To: Greater Orlando Aviation Authority

From: Scott Mizell

cc:

Date: 11/10/2023

Re: W-S00149 Proposed Allocation of Undefined Scope

On August 16, 2023, the Aviation Authority Board approved Addendum No. 3 in the amount of $13,233,846.00 for Core Team Executive Project PMO Services for Terminal C to the above-referenced agreement. On October 12, 2023, the Aviation Authority Board Approved Amendment No. 2 to Addendum No.3 in $11,497,202.00 for additional Executive Project PMO Staffing Plan services. This results in a total amount of $24,731,048 for Addenda 3. The total amount approved for Addenda 3 is funding for $600,000.00 to be utilized for yet undefined scope that may be required to support the projects withing the Southside Restart Program pending further GOAA direction.

The $600,000.00 allocated for undefined scope is composed of $150,000.00 for Design Review Allowance through AMD 000, and $450,000.00 for Other Services/Consultants through AMD 001.

As requested by the Construction Committee the following back-up supports the cost of $55,871.03 to fund the Testing and Inspection of Fireproofing Products services that will be performed in accordance with the applicable ASTM Standards and Chapter 17 of the Florida Building Code, in support of the BPS195 P1X Airside Gate Project. The remaining balance for the $600,000.00 allowance allocated for undefined scope is $544,128.97.

This work will be performed under an existing subcontract with Universal Engineering Services by Tierra for the Not to Exceed Expenses in the amount of $55,871.03. The period of performance for these services is to October 01, 2023 through June 01, 2024.

(Revised) October 26, 2023

JACOBS Group.
200 South Orange Ave, Suite 900
Orlando, FL 32801

Attention: Mr. Brad Miller, Aviation Program Manager

Reference: **Change Order Request for Fireproofing Testing Services**
GOAA South Terminal C (STC-1), Phase 1X, Orlando International Airport
10200 Jeff Fuqua Boulevard South, Orlando, Orange County, Florida 32827
UES Project No. 0110.2301259.0000
UES Proposal No. *2048855v2*

Dear Mr. Miller:

As requested, we are pleased to submit our Change Order Request Proposal to you for professional services on the GOAA South Terminal C (STC-1), Phase 1X, which is located at the Orlando International Airport, Orlando, Orange County, Florida.

SCOPE OF WORK PROPOSED

Testing and Inspection of Applied Fireproofing products to be performed in accordance with the applicable ASTM Standards and Ch17 of the Florida Building Code.

Tierra Proposal No. 51-23-449 (See attached quote for details.):	$48,583.50
S.I. Project Management-Q.A./Document Review	***$7,287.53***
TOTAL FOR CHANGE ORDER REQUEST (FIREPROOFING):	**$55,871.03**

For your convenience, a Work Authorization/Proposal Acceptance Form is enclosed. Also enclosed is Universal Engineering Sciences' General Conditions. If these items are acceptable, please sign the Work Authorization Form and return it to us for our files.

Respectfully Submitted,
UES
FBPE Registry No. 549

(Signing on behalf of:)
Fred J. Schmalzer, P.E.
Vice President - Construction Services
STATE OF FLORIDA
Professional Engineer No. 38818
Special Inspector No. 907

Return Address:
3532 Maggie Boulevard
Orlando, Florida 32811
Phone: 407-423-0504
Fax: 407-423-3106

FJS/dkn

Enclosures: Work Authorization/Proposal Acceptance Form
General Conditions
Tierra Proposal No. 51-23-449

UNIVERSAL ENGINEERING SCIENCES, LLC.

Work Authorization / Proposal Acceptance Form

PLEASE SIGN AND RETURN ONE COPY VIA EMAIL OR FAX.

UES is pleased to provide the services described below. The purpose of this document is to describe the terms under which the services will be provided and to obtain formal authorization.

Project Name: **Change Order Request for Fireproofing Testing & Inspection;** GOAA South Terminal C (STC-1), Phase 1X
Project Location: 10200 Jeff Fuqua Boulevard South, Orlando, Orange County, Florida 32827 **Date:** October 26, 2023-***Revised***
Client Name: Jacobs Group **Contact:** Brad Miller
Contact Business Address: 200 South Orange Avenue, Suite 900, Orlando, FL 32801
Contact Fax Number: 407-903-5150 **Contact Phone:** 407-903-5001 **Email:** brad.miller@jacobs.com

I. **Scope of Services & Understanding of Project (See attached proposal or as indicated below).**

UES Proposal / Project No.: ***2048855v2*** (0110.2301259.0000)

Total Proposed Amount: $55,871.03

See enclosed proposal for rates.

II. Contract Documents. The following documents form part of the Agreement and are incorporated herein by referral:

A. Universal General Conditions.

In the event of any inconsistency or conflicting among the Contract Documents, the provision in that Contract Documents first listed above shall govern.

III. Authority to proceed and for payment. (To be completed by Client)

A. For payment of Services, invoice to the account of:

Firm: _____ Social Security Number or Federal Identification No.: _____
Address: _____ **City:** _____ **Zip Code:** _____
Attention: _____ **Title:** _____
Phone: _____ **Fax:** _____

B. If the invoice is to be mailed for approval to someone other than the account charged, please indicate where, below:

Firm: _____
Address: _____ **City:** _____ **Zip Code:** _____
Attention: _____ **Title:** _____
Phone: _____ **Fax:** _____

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duty authorized representatives this _____ day of _____ 2023.

CLIENT: Jacobs Group	**UES:**
BY (signature): _____	**BY (signature):** Dawn K. Taylor ***(Signing on behalf of:)***
NAME: _____	**NAME:** Fred J. Schmalzer, P.E.
TITLE: _____	**TITLE:** Vice President – Construction Services
DATE: _____	**DATE:** October 26, 2023

Return Executed Copies to: ORLCSDContracts@universalengineering.com

UES
3532 Maggie Boulevard, Orlando, Florida 32811
Phone: 407-423-0504 / Fax: 407-423-3106
Orlando Dispatch: 407-422-8378/TEST

Universal Engineering Sciences, LLC
GENERAL CONDITIONS

SECTION 1: RESPONSIBILITIES **1.1** *Universal Engineering Sciences, LLC*, and its subsidiaries and affiliated companies ("UES"), is responsible for providing the services described under the Scope of Services. The term "UES" as used herein includes all of UES's agents, employees, professional staff, and subcontractors. **1.2** The Client or a duly authorized representative is responsible for providing UES with a clear understanding of the project nature and scope. The Client shall supply UES with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys, plans and specifications, and designs, to allow UES to properly complete the specified services. The Client shall also communicate changes in the nature and scope of the project as soon as possible during performance of the work so that the changes can be incorporated into the work product. **1.3** The Client acknowledges that UES's responsibilities in providing the services described under the Scope of Services section is limited to those services described therein, and the Client hereby assumes any collateral or affiliated duties necessitated by or for those services. Such duties may include, but are not limited to, reporting requirements imposed by any third party such as federal, state, or local entities, the provision of any required notices to any third party, or the securing of necessary permits or permissions from any third parties required for UES's provision of the services so described, unless otherwise agreed upon by both parties in writing.

SECTION 2: STANDARD OF CARE **2.1** Services performed by UES under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of UES's profession practicing contemporaneously under similar conditions in the locality of the project. No other warranty, express or implied, is made. **2.2** Execution of this document by UES is not a representation that UES has visited the site, become generally familiar with local conditions under which the work is to be performed, or correlated personal observations with the requirements of the Scope of Services. It is the Client's responsibility to provide UES with all information necessary for UES to provide the services described under the Scope of Services, and the Client assumes all liability for information not provided to UES that may affect the quality or sufficiency of the services so described.

SECTION 3: SITE ACCESS AND SITE CONDITIONS **3.1** Client will grant or obtain free access to the site for all equipment and personnel necessary for UES to perform the work set forth in this Agreement. The Client will notify any possessors of the project site that Client has granted UES free access to the site. UES will take reasonable precautions to minimize damage to the site, but it is understood by Client that, in the normal course of work, some damage may occur, and the correction of such damage is not part of this Agreement unless so specified in the Scope of Services. **3.2** The Client is responsible for the accuracy of locations for all subterranean structures and utilities. UES will take reasonable precautions to avoid known subterranean structures, and the Client waives any claim against UES, and agrees to defend, indemnify, and hold UES harmless from any claim or liability for injury or loss, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate UES for any time spent or expenses incurred by UES in defense of any such claim with compensation to be based upon UES's prevailing fee schedule and expense reimbursement policy.

SECTION 4: BILLING AND PAYMENT **4.1** UES will submit invoices to Client monthly or upon completion of services. Invoices will show charges for different personnel and expense classifications. **4.2** Payment is due 30 days after presentation of invoice and is past due 31 days from invoice date. Client agrees to pay a finance charge of one and one-half percent (1 ½ %) per month, or the maximum rate allowed by law, on past due accounts. **4.3** If UES incurs any expenses to collect overdue billings on invoices, the sums paid by UES for reasonable attorneys' fees, court costs, UES's time, UES's expenses, and interest will be due and owing by the Client.

SECTION 5: OWNERSHIP AND USE OF DOCUMENTS **5.1** All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES, as instruments of service, shall remain the property of UES. Neither Client nor any other entity shall change or modify UES's instruments of service. **5.2** Client agrees that all reports and other work furnished to the Client or his agents, which are not paid for, will be returned upon demand and will not be used by the Client for any purpose. **5.3** UES will retain all pertinent records relating to the services performed for a period of five years following submission of the report or completion of the Scope of Services, during which period the records will be made available to the Client in a reasonable time and manner. **5.4** All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES, are prepared for the sole and exclusive use of Client, and may not be given to any other entity, or used or relied upon by any other entity, without the express written consent of UES. Client is the only entity to which UES owes any duty or duties, in contract or tort, pursuant to or under this Agreement.

SECTION 6: DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS **6.1** Client represents that a reasonable effort has been made to inform UES of known or suspected hazardous materials on or near the project site. **6.2** Under this agreement, the term hazardous materials include hazardous materials, hazardous wastes, hazardous substances (40 CFR 261.31, 261.32, 261.33), petroleum products, polychlorinated biphenyls, asbestos, and any other material defined by the U.S. EPA as a hazardous material. **6.3** Hazardous materials may exist at a site where there is no reason to believe they are present. The discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work. The discovery of unanticipated hazardous materials may make it necessary for UES to take immediate measures to protect health and safety. Client agrees to compensate UES for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials. **6.4** UES will notify Client when unanticipated hazardous materials or suspected hazardous materials are encountered. Client will make any disclosures required by law to the appropriate governing agencies. Client will hold UES harmless for all consequences of disclosures made by UES which are required by governing law. In the event the project site is not owned by Client, Client it is the Client's responsibility to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials. **6.5** Notwithstanding any other provision of the Agreement, Client waives any claim against UES, and to the maximum extent permitted by law, agrees to defend, indemnify, and save UES harmless from any claim, liability, and/or defense costs for injury or loss arising from UES's discovery of unanticipated hazardous materials or suspected hazardous materials including any costs created by delay of the project and any cost associated with possible reduction of the property's value. Client will be responsible for ultimate disposal of any samples secured by UES which are found to be contaminated.

SECTION 7: RISK ALLOCATION **7.1** Client agrees that UES's liability for any damage on account of any breach of contract, error, omission, or professional negligence will be limited to a sum not to exceed $50,000 or UES's fee, whichever is greater. If Client prefers to have higher limits on contractual or professional liability, UES agrees to increase the limits up to a maximum of $1,000,000.00 upon Client's written request at the time of accepting UES's proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or $400.00, whichever is greater. If Client prefers a $2,000,000.00 limit on contractual or professional liability, UES agrees to increase the limits up to a maximum of $2,000,000.00 upon Client's written request at the time of accepting UES's proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or $800.00, whichever is greater. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance. **7.2** Client shall not be liable to UES and UES shall not be liable to Client for any incidental, special, or consequential damages (including lost profits, loss of use, and lost savings) incurred by either party due to the fault of the other, regardless of the nature of the fault, or whether it was committed by Client or UES, their employees, agents, or subcontractors; or whether such liability arises in breach of contract or warranty, tort (including negligence), statutory, or any other cause of action. **7.3** As used in this Agreement, the terms "claim" or "claims" mean any claim in contract, tort, or statute alleging negligence, errors, omissions, strict liability, statutory liability, breach of contract, breach of warranty, negligent misrepresentation, or any other act giving rise to liability.

SECTION 8: INSURANCE **8.1** UES represents it and its agents, staff and consultants employed by UES, is and are protected by worker's compensation insurance and that UES has such coverage under public liability and property damage insurance policies which UES deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, UES agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by UES, its agents, staff, and consultants employed by it. UES shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 7, whichever is less. The Client agrees to defend, indemnify, and save UES harmless for loss, damage or liability arising from acts by Client, Client's agents, staff, and others employed by Client. **8.2** Under no circumstances will UES indemnify Client from or for Client's own actions, negligence, or breaches of contract. **8.3** To the extent damages are covered by property insurance, Client and UES waive all rights against each other and against the contractors, consultants, agents, and employees of the other for damages, except such rights as they may have to the proceeds of such insurance.

SECTION 9: DISPUTE RESOLUTION **9.1** All claims, disputes, and other matters in controversy between UES and Client arising out of or in any way related to this Agreement will be submitted to mediation or non-binding arbitration, before and as a condition precedent to other remedies provided by law. **9.2** If a dispute arises and that dispute is not resolved by mediation or non-binding arbitration, then: (a) the claim will be brought in the state or federal courts having jurisdiction where the UES office which provided the service is located; and (b) the prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees, expert witness fees, and other claim related expenses.

SECTION 10: TERMINATION **10.1** This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof, or in the case of a force majeure event such as terrorism, act of war, public health or other emergency. Such termination shall not be effective if such substantial failure or force majeure has been remedied before expiration of the period specified in the written notice. In the event of termination, UES shall be paid for services performed to the termination notice date plus reasonable termination expenses. **10.2** In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by the Agreement, UES may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of UES in completing such analyses, records, and reports.

SECTION 11: REVIEWS, INSPECTIONS, TESTING, AND OBSERVATIONS **11.1** Plan review, private provider inspections, and building inspections are performed for the purpose of observing compliance with applicable building codes. Threshold inspections are performed for the purpose of observing compliance with an approved threshold inspection plan. Construction materials testing ("CMT") is performed to document compliance of certain materials or components with applicable testing standards. UES's performance of plan reviews, private provider inspections, building inspections, threshold inspections, or CMT, or UES's presence on the site of Client's project while performing any of the foregoing activities, is not a representation or warranty by UES that Client's project is free of errors in either design or construction. **11.2** If UES is retained to provide construction monitoring or observation, UES will report to Client any observed work which, in UES's opinion, does not conform to the plans and specifications provided to UES. UES shall have no authority to reject or terminate the work of any agent or contractor of Client. No action, statements, or communications of UES, or UES's site representative, can be construed as modifying any agreement between Client and others. UES's performance of construction monitoring or observation is not a representation or warranty by UES that Client's project is free of errors in either design or construction. **11.3** Neither the activities of UES pursuant to this Agreement, nor the presence of UES or its employees, representatives, or subcontractors on the project site, shall be construed to impose upon UES any responsibility for means or methods of work performance, superintendence, sequencing of construction, or safety conditions at the project site. Client acknowledges that Client or its contractor is solely responsible for project jobsite safety. **11.4** Client is responsible for scheduling all inspections and CMT activities of UES. All testing and inspection services will be performed on a will-call basis. UES will not be responsible for tests and inspections that are not performed due to Client's failure to schedule UES's services on the project, or for any claims or damages arising from tests and inspections that are not scheduled or performed.

SECTION 12: ENVIRONMENTAL ASSESSMENTS Client acknowledges that an Environmental Site Assessment ("ESA") is conducted solely to permit UES to render a professional opinion about the likelihood or extent of regulated contaminants being present on, in, or beneath the site in question at the time services were conducted. No matter how thorough an ESA study may be, findings derived from the study are limited and UES cannot know or state for a fact that a site is unaffected by reportable quantities of regulated contaminants as a result of conducting the ESA study. Even if UES states that reportable quantities of regulated contaminants are not present, Client still bears the risk that such contaminants may be present or may migrate to the site after the ESA study is complete.

SECTION 13: SUBSURFACE EXPLORATIONS **13.1** Client acknowledges that subsurface conditions may vary from those observed at locations where borings, surveys, samples, or other explorations are made, and that site conditions may change with time. Data, interpretations, and recommendations by UES will be based solely on information available to UES at the time of service. UES is responsible for those data, interpretations, and recommendations, but will not be responsible for other parties' interpretations or use of the information developed or provided by UES. **13.2** Subsurface explorations may result in unavoidable cross-contamination of certain subsurface areas, as when a probe or boring device moves through a contaminated zone and links it to an aquifer, underground stream, or other hydrous body not previously contaminated. UES is unable to eliminate totally cross-contamination risk despite use of due care. Since subsurface explorations may be an essential element of UES's services indicated herein, Client shall, to the fullest extent permitted by law, waive any claim against UES, and indemnify, defend, and hold UES harmless from any claim or liability for injury or loss arising from cross-contamination allegedly caused by UES's subsurface explorations. In addition, Client agrees to compensate UES for any time spent or expenses incurred by UES in defense of any such claim with compensation to be based upon UES's prevailing fee schedule and expense reimbursement policy.

SECTION 14: SOLICITATION OF EMPLOYEES Client agrees not to hire UES's employees except through UES. In the event Client hires a UES employee within one year following any project through which Client had contact with said employee, Client shall pay UES an amount equal to one-half of the employee's annualized salary, as liquidated damages, without UES waiving other remedies it may have.

SECTION 15: ASSIGNS Neither Client nor UES may delegate, assign, sublet, or transfer its duties or interest in this Agreement without the written consent of the other party.

SECTION 16: GOVERNING LAW AND SURVIVAL **16.1** This Agreement shall be governed by and construed in accordance with the laws of the jurisdiction in which the UES office performing the services hereunder is located. **16.2** In any of the provisions of this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired and will survive. Limitations of liability and indemnities will survive termination of this agreement for any cause.

SECTION 17: INTEGRATION CLAUSE **17.1** This Agreement represents and contains the entire and only agreement and understanding among the parties with respect to the subject matter of this Agreement, and supersedes any and all prior and contemporaneous oral and written agreements,

understandings, representations, inducements, promises, warranties, and conditions among the parties. No agreement, understanding, representation, inducement, promise, warranty, or condition of any kind with respect to the subject matter of this Agreement shall be relied upon by the parties unless expressly incorporated herein. **17.2** This Agreement may not be amended or modified except by an agreement in writing signed by the party against whom the enforcement of any modification or amendment is sought.

SECTION 18: WAIVER OF JURY TRIAL Both Client and UES waive trial by jury in any action arising out of or related to this Agreement.

SECTION 19: INDIVIDUAL LIABILTY PURSUANT TO FLORIDA STAT. 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT OF UES MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

UES DOCS No. 1823094 Revised 12/04/2020

TIERRA

October 20, 2023

Universal Engineering Sciences, Inc.
3532 Maggie Blvd.
Orlando, FL 32811

Attn: Fred Schmalzer (fschmalzer@universalengineering.com)

Re: Proposal for Providing Fireproofing Testing
South Terminal C Ph. 1X
Orange County, Florida
Proposal No. 51-23-449

Dear Mr. Schmalzer:

Tierra has reviewed the project plans and specifications to develop an Estimated Scope of Services for the testing and inspection of Applied Fireproofing products at the subject project. Tierra proposes to perform these services in accordance with the applicable ASTM Standards and Ch17 of the Florida Building Code.

The following is the breakdown of the anticipated costs to provide these services.

Description	Estimating Quantity	Unit Rate	Cost
Field Testing			
Applied Fireproofing Inspector (thickness bond test labor and obtaining density tests) (per hour)	330	$85.00	$28,050.00
Laboratory Density – ASTM E605 (based on 1 test per 2500 SF per member type) (each)	122	$68.00	$8,296.00
Bond Strength – ASTM E736 (sprayed on) (each)	85	$27.50	$2,337.50
Professional Services			
Project Manager/Engineer (report review and evaluation, certification letters, etc.) (per hour)	60	$120.00	$7,200.00
Secretarial/Clerical Services (per hour)	45	$60.00	$2,700.00
		Total Estimate	**$48,583.50**

Additional Services if requested:
Bond Strength Intumescent – ASTM D4541 (each) $350.00

It is proposed to provide these services in accordance with Tierra, Inc.'s general conditions incorporated herewith. Should you agree with these terms of this proposal please sign below and return 1 copy intact.

Should you have any questions or request any additional information, please do not hesitate to contact the undersigned.

Respectfully Submitted,
TIERRA, INC.

Jeffrey Begovich, P.E.
Vice President

591 Susan B. Britt Court • Winter Garden, FL 34787
Phone (407) 877-1354 • Fax (407) 654-7347
Florida Certification No. 6486

Project Authorization

AUTHORIZED BY:	INVOICE TO:
Name:	**Company:**
Title:	**Name:**
Signature:	**Address:**
Date:	**Phone:** **Fax:**

Project Data

1. Project Name: _____
2. Project Location: _____
3. Your Job No.: _____ Purchase Order No.: _____
4. Project Manager: _____ Office No.: _____
   Cell No.: _____
   Fax No.: _____
   Email: _____
5. Invoicing Address: _____
   _____
   _____
   Attn: _____ Telephone: _____
6. Site Contact: _____ Telephone No.: _____
7. Remarks: _____
   _____
   _____

NOTES

1. Overtime rates will be applicable for services performed outside 7:00 AM and 5:00 PM, Monday through Friday, and on Saturdays, Sundays, and work days exceeding 8 hours. Overtime rates will be billed at 1.5 times the normal rates except for Sundays and holidays where the rate will be 2 times the normal rate.

2. All rates are billed from portal to portal.

3. Scheduling or cancellation of field testing and observation services is required no less than 24 hours prior to the time of the requested service. Services cancelled without advance notice (at least 2 hours prior to the scheduled work) will be assessed a minimum 2 hour charge.

4. A minimum charge of 3 hours will be applied for all field and observation services excluding sample pickups.

5. Stand-by time during re-compaction, due to late arrival concrete, etc. and concrete monitoring on a full-time basis will be invoiced at the Engineering Technician's hourly rate

6. Service and fees not listed on this schedule may be quoted on request.

TIERRA GENERAL CONDITIONS

1. SCOPE OF WORK - Work means the specific geotechnical, analytical, testing or other service to be performed by Tierra as set forth in Tierra's proposal, Client's acceptance of the scope of work and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by Tierra. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of Tierra's work. Tierra shall have no duty or obligation to any third party greater than that set forth in Tierra's proposal, Client's acceptance of Tierra's proposal and these General Conditions. The ordering of work from Tierra, or the reliance on any of Tierra's work, shall represent acceptance of the terms of Tierra's proposal and these General Conditions, regardless of the terms of any subsequently issued document.

2. RIGHT OF ENTRY - The client will provide right-of-entry for Tierra and all necessary equipment in order to complete the work. While Tierra will take all reasonable precautions to minimize any damage to the property, it is understood by Client that in the normal course of work some damage may occur; the correction of which is not part of this agreement.

3. DAMAGE TO EXISTING MAN-MADE OBJECTS - The Client will provide the location of all underground utilities or obstructions to Tierra who, in the prosecution of their work, will take all reasonable precautions to avoid damage or injury to any such subterranean structure or utility. The Owner agrees to hold Tierra harmless for any damages to subterranean structures or utilities which are not called to Tierra's attention and correctly shown on the plans furnished and will reimburse Tierra for any expenses in connection with any claims or suits including reasonable attorney fees.

4. IN-PLACE MATERIALS TESTING - Tierra will not be responsible for repair or damage to portions of structures designated for in-place materials testing. Repairs can be made for aesthetic reasons if requested in advance of the work to be performed. The cost for labor and materials would be charged.

5. SAMPLE RETENTION - Tierra will retain all soil and rock samples obtained for geotechnical explorations for 30 days. Samples subjected to Construction Materials and Laboratory testing are disposed of subsequent to testing. Further storage or transfer of samples can be made at Client's expense upon written authorization.

6. DEFINITION OF RESPONSIBILITY (OBSERVATION SERVICES) - The presence of our field representative will be for the purpose of providing observation and field testing. Our work does not include supervision or direction of the actual work of the contractor, his employees or agents. The contractor for this project should be so advised.

6.1 The Contractor should also be informed that neither the presence of our field representative or the observation and testing by our firm shall excuse him in any way for defects discovered in his work. It is understood that Tierra will not be responsible for the Contractor's job or site safety on his project. That will be the sole responsibility of the contractor.

7. STANDARD OF CARE - Service performed by Tierra under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

7.1 Client recognizes that subsurface conditions may vary from those encountered at the location where borings, surveys or explorations are made by Tierra and that the data, interpretations and recommendations of Tierra are based solely on the information available to it. Tierra shall not be responsible for the interpretation by others of information developed.

8. ORAL AGREEMENTS - No oral agreement, guarantee, promise, representation or warranty shall be binding.

9. OWNERSHIP OF DOCUMENTS - All reports, boring logs, field data and notes, laboratory test data, calculations, estimates and other documents prepared by Tierra, as instruments of service, shall remain the property of Tierra until final payment is received.

TIERRA GENERAL CONDITIONS

10. BASIS OF PAYMENT - Payment is due within 30 days of date of invoice. Payments not made when due shall bear interest at eighteen (18) percent annum or at the maximum rate allowed by law from the date of the invoice until same is paid.

10.1 If the Client fails to make any payment due to Tierra for service and/or expenses within 60 days of date of invoice, Tierra may, after giving seven days' written notice to Client, suspend services until all outstanding amounts have been paid to Tierra in full. Further, Tierra may, in addition to withholding services, or singularly, withhold reports, plans and other documents not paid in full by the Client. In the event that final payment for completed work is not made, Tierra shall request that all copyrighted documents which were submitted to client be returned and all information used in project plans be removed from project documents.

10.2 In the event it is necessary to take legal action to effect collection, whether or not litigation is commenced, the Client agrees to reimburse Tierra for expenses in connection with any claims or suits, including reasonable attorney's fees.

10.3 This contract shall be governed by the laws of the State of Florida.

11.0 CONSTRUCTION REVIEW - Tierra cannot accept responsibility for any design work unless the work includes services for construction review to determine whether or not the work performed is in substantial compliance with Tierra's conclusions and recommendations.

12.0 INDEMNIFICATION - Tierra agrees to hold harmless and indemnify Client from and against liability arising out of Tierra's negligent performance of the work. Client agrees to indemnify and hold Tierra harmless from all liability including all costs, attorney's fees and expenses of defense for any claims by any other person or corporation which may arise out of the performance or breach of this contract for which Tierra was not solely negligent.

13.0 LIMITATION OF LIABILITY - The Client~~/Owner~~ agrees to limit Tierra's liability for negligent professional acts, errors or omissions, such that the total aggregate liability of Tierra shall not exceed $25,000 or the total fee for the services rendered on this project; whichever is greater. ~~The Owner further agrees to require the contractor and his subcontractors a similar limitation of liability suffered by the contractor or the subcontractors arising from Tierra' negligent professional acts, errors or omissions.~~

13.1 If Client prefers to have higher limits on professional liability, Tierra agrees to increase the limits up to a maximum of $1,000,000 upon Client's written request at the time of accepting our proposal provided that Client agrees to pay an additional consideration of 5 percent of our total fee. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance.

14.0 INSURANCE - Tierra represents and warrants that it and its agents, staff and consultants employed by it are protected by Worker's Compensation Insurance and Employer's Liability Insurance in conformance with applicable state laws. Tierra has such coverage under public liability and property damage insurance policies that Tierra deems to be adequate. A Certificate of Insurance can be supplied evidencing such coverage upon request.

14.1 Within the limits and conditions of such insurance, Tierra agrees to indemnify and save client harmless from and against any loss, damage or liability arising from any negligent acts by Tierra, its agents, staff and consultants employed by it. Tierra shall not be responsible for any loss, damage or liability beyond the amounts, limits and considerations of such insurance. Tierra shall not be responsible for any loss, damage or liability arising from any acts by clients, its agents, staff and other consultants employed by it.

14.2 Cost of the above coverage is included in our quoted fees. If additional coverage or increased limits of liability are required, Tierra will endeavor to obtain the requested insurance and charge separately for costs associated with additional coverage or increased limits.

15.0 TERMINATION - This agreement may be terminated by either party upon seven days written notice in the event of substantial failure by the other party to perform in accordance with the terms thereof. Such termination shall not be effective if the substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, Tierra shall be paid for services performed to the termination notice date plus reasonable termination expenses.

15.1 In the event of termination or suspension for more than three months, prior to completion of all reports contemplated by this Agreement, Tierra may complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs for Tierra in completing such analyses, records and reports.

TIERRA GENERAL CONDITIONS

16.0 CLIENT'S OBLIGATION TO NOTIFY TIERRA - Client represents and warrants that it has advised Tierra of any known or suspected hazardous materials or conditions, utility lines and pollutants at any site at which Tierra is to do work hereunder, and unless Tierra has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits, Client agrees to defend, indemnify and save Tierra harmless from all claims, suits, losses, costs and expenses, including reasonable attorney's fees as a result of personal injury, death or property damage occurring with respect to Tierra's performance of its work and resulting to or caused by contact with subsurface or latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to Tierra by Client.

17.0 HAZARDOUS MATERIALS - This agreement shall not be interpreted as requiring Tierra to assume the status of an owner, operator, generator, store, transporter, treatment or disposal facility as those terms appear within RCRA or within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants.

18.0 DESIGN PROFESSIONALS LIMITATION OF LIABILITY – IN ACCORDANCE WITH FLORIDA STATUTE 558.0035, A DESIGN PROFESSIONAL EMPLOYED BY TIERRA, INC. OR AGENT IS NOT INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE OCCURING DURING THE COURSE AND SCOPE OF A PROFESSIONAL SERVICES CONTRACT.

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TIERRA
GEOTECHNICAL • MATERIALS
ENVIRONMENTAL • ENGINEERING

INFORMATION ITEM
Original CCM
10/24/2023
Item IV-D
Revised Memo

GREATER ORLANDO AVIATION

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: **Members of the Construction Committee**

From: **Scott Shedek, Vice President of Construction**
(Prepared by Don Corthell, PSA

Date: **October 24, 2023**

Re: **Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. to provide Design Phase OAR Services for V-S0038 Terminal C Level 2 Moving Walkways at the Orlando International Airport**

Consultant's proposal dated October 13, 2023, is to provide design phase OAR services for the above referenced project, which will provide the design documents required for a concise bid from one of GOAA's Continuing Vertical Contractors. The design coordination with C&S Engineers and TK Elevator is anticipated to begin in early November 2023 and be ready for bid, if necessary, in January 2024.

If approved, these services would be effective on 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: Security Project

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is for services for W-S00151 in support of the V-S0038 from Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by _____ of Construction Finance on ___/___/___ as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors Inc. dba PSA Management Inc. for the services contained herein and amount as shown below:

Not to Exceed Fees	$10,446.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$10,446.00**
AAC – Compliance Review Date	MPG 10/23/23
AAC – Funding Eligibility Review Date	10/23/23

ORLANDO INTERNATIONAL AIRPORT | MCO
Innovation Connecting the World

INFORMATION ITEM
Original CCM
11/7/2023
Item No. IV-G
Revised Memo

MEMORANDUM

TO: **Members of the Construction Committee**

FROM: **Scott Shedek, Vice President, Construction**

DATE: **November 7, 2023**

RE: **CONTRACTOR FINAL PAYMENT AUTHORIZATION**

CONTRACTOR: Turner-Kiewit Joint Venture

The **Guaranteed Maximum Price (GMP) Construction Contracts** for the projects listed below have been completed and final pay applications have been submitted or are currently being processed.

BP-S00139 (GMP 5S.2) Landside Site Utilities and Balance of Sitework
GMP 5S.2, included the remaining Sitework and Utilities which support the Landside Terminal. The work included roadways, paving, sidewalks, fencing, and gates surrounding the Terminal. The utilities work provided the domestic water, fire main, sanitary sewer, lift stations, and force mains for the Landside components. The work also included the storm water piping and structures for connection of the Landside components to the overall storm management system. Technology duct banks are included in the utility work of the GMP.

BP-S00141 (GMP 5S.4) Landside Conveying Equipment Joint Procurement with HP
GMP 5S.4, Landside Conveying Equipment Joint Procurement with HP, included the elevators and escalators at the Landside Terminal, GTF, and Parking Garage.

BP-S00163 (GMP 5S.5) Enplane/Deplane Bridge & Roadways Balance of Work – FDOT
GMP 5S.5, Enplane/Deplane Bridge & Roadways Balance of Work – FDOT, included MSE walls, pile caps, vertical structure, drainage, roadway paving, striping and precast fascia for the Enplane/Deplane Bridge from Piers 9 through 25. The subcontract alternate was for the same scope of work for End Bent 1 through Pier 8 and Bridge Deck Piers 1 to 9 including piles.

BP-S00170 (GMP 5S.6) Underground Electrical Distribution
GMP 5S.6, Underground Electrical Distribution, included four main duct banks; OUC Power, Emergency Generator A, Emergency Generator B, and Communication Control. The South portion for the OUC power, including the OUC primary switchyard pad and OUC access roads.

BP-S00146 (GMP 7S) Landside Terminal, Structure and Enclosure
GMP 7S included concrete, structural steel, below grade waterproofing, and curtainwall.

BP-S00147 (GMP 7S.1) Landside Terminal, Remaining Structure and Systems
GMP 7S.1 included precast, masonry, miscellaneous metals, waterproofing and caulking, roofing, applied fireproofing, skylights, interior glass & glazing, doors, frames and hardware, drywall, framing and stucco, metal wall panels, fire protection, and low voltage.

BP-S00148 (GMP 7S.2) Landside Terminal Finishes
GMP 7S.2 included handrails, smoke baffles, misc. metals, ornamental metals, firestopping/fire caulking, overhead coiling door, acoustical ceilings, interior wall panels, column covers, carpet, tile, terrazzo flooring, access flooring, painting, signage, window washing system, equipment cranes, millwork entrance floor grilles, trash chutes, and site furnishings.

BP-S00173 (GMP 7S.3) Landside Terminal, MEP Systems
GMP 7S.3 included the mechanical, electrical, and plumbing systems for Landside Terminal under FDOT funding.

BP-S00180 (GMP 7S.4) Landside Terminal Experiential Media Environment
GMP 7S.4 included the experiential media environment (EME) systems and structure for the Landside Terminal.

BP-S00149 (GMP 8S) Ground Transportation Facility
GMP 8S included the concrete scope of work under FDOT funding for the Ground Transportation Facility.

BP-S00181 (GMP 8S.1) Ground Transportation Facility
GMP 8S.1 included all scopes, excluding the concrete, electrical and low voltage, for the Ground Transportation Facility.

BP-S00156 (GMP 14S) - Central Energy Plant (CEP) and Emergency Power Generation (EPG) Building
GMP 14S included concrete, masonry, structural steel, waterproofing, roofing, stucco, flooring, paint, signage, fire protection, plumbing, diesel fuel transfer and storage system, mechanical, and electrical.

BP-S00158 (GMP 17S) Checkpoint Delta
GMP 17S included Checkpoint Delta.

BP-S00176 (GMP 18S) Site Logistics Relocation
GMP 18S included the development of the new office complex, as shown in the WS-110 Site Logistics Relocation drawings and further defined by the Area drawing included in Section 10. This was for Areas 1 and 2 only, and does not include any work in Area 3. The work included all required temporary environmental controls, site stripping after Clearing and Grubbing (C&G by others), excavation and embankment to achieve specified grades, Type B stabilization, site grade finish and soil stabilization, all civil utilities, lime rock base, RAP, asphalt, flatwork, bollards around light poles, striping and signing, fence as shown, communication utility, electrical power, and lighting. Additionally, this GMP includes relocating 14 existing modular buildings and contents from the existing trailer compound to the new office complex, installation at new complex and installation plus fit out of 10 new modular buildings.

BP-S00178 (GMP 19S) Airfield Civil

GMP 19S is for the completion of sitework and utilities for the airside, airfield paving including markings and lighting, underground electrical work and various site logistics items required for Airside Terminal Construction.

All final completion requirements, including but not limited to; close-out documentation, punch list items, warranty information, and Small Business reconciliations required for these, and all remaining Turner-Kiewit South Terminal C projects must be provided prior to release of final payment for BP-S00190 (GMP 4S.6) General Conditions.

It is respectfully requested that the Construction Committee authorize final payment to **Turner-Kiewit Joint Venture** for the above referenced projects.