REVISED

CONSTRUCTION COMMITTEE MEETING AGENDA

DATE: **Tuesday, June 18, 2024**
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

A. REQUEST FOR APPROVAL OF THE CONSTRUCTION COMMITTEE MINUTES FROM THE MEETING HELD ON APRIL 30, 2024.

B. REQUEST FOR APPROVAL OF THE CONSTRUCTION COMMITTEE MINUTES FROM THE MEETING HELD ON MAY 7, 2024.

III. CHANGE ORDERS (REFERENCE CHANGE ORDER AGENDA PAGE)

IV. NEW BUSINESS

GENERAL

A. REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING VERTICAL CONSTRUCTION SERVICES AGREEMENT WITH H.W. DAVIS CONSTRUCTION, INC. FOR **V-00990** BHS HIGH SPEED DIVERTER UPGRADE, AT THE ORLANDO INTERNATIONAL AIRPORT.

B. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING CIVIL ENGINEERING SERVICES AGREEMENT WITH AVCON, INC. FOR DESIGN, BID AND AWARD PHASE SERVICES FOR **V-01031** ORL AIRPORT BEACON REPLACEMENT, AT THE ORLANDO EXECUTIVE AIRPORT.

C. REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 16 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC. DBA PSA MANAGEMENT, INC. FOR ADDITIONAL CONSTRUCTION PHASE OAR SERVICES FOR **L-00080** ACS/REX BUTTONS REPLACEMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.

D. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH COST MANAGEMENT INC. DBA CMI TO PROVIDE CONSTRUCTION PHASE OAR SERVICES FOR **R-00096** MCO SKYLIGHT REPAIRS AT GREAT HALL, AT THE ORLANDO INTERNATIONAL AIRPORT.

E. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC., DBA PSA MANAGEMENT, INC. FOR CONSTRUCTION PHASE OAR SERVICES FOR **V-00990** BHS HIGH SPEED DIVERTER UPGRADE, AT THE ORLANDO INTERNATIONAL AIRPORT.

NEW **F.** REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 20 TO THE ARCHITECT OF RECORD FOR SOUTH TERMINAL C-PHASE 1 AGREEMENT WITH HNTB CORPORATION FOR DESIGN, BID, AND AWARD SERVICES FOR THE NEGATIVE KVAR CORRECTIONS FOR W-S00110 SOUTH TERMINAL C, PHASE 1-ARCHITECT OF RECORD (& MAJOR SUBS), AT THE ORLANDO INTERNATIONAL AIRPORT.

V. INFORMATION ITEMS

A. Field Change Order Log

B. Revised Backup for the Recommendation of Approval of an Amendment to Addendum No. 22 to The Continuing Program and Project Management Services Agreement with AECOM Technical Services, Inc. for W-00497 North Terminal Refresh Program Oversight, at the Orlando International Airport. [From the Construction Committee on February 6, 2024, Item No. IV-G].

C. Revised Memorandum for the Approval of an Amendment to the Purchase Order to TK Elevator Corporation for Purchase Order No. 1007440 for V-S00038 Terminal C Level 2 Moving Walks (Design/Build), at the Orlando International Airport. [From the Construction Committee on May 28, 2024, Item No. IV-E].

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 June 25, 2024. 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, June 25, 2024, at 9:00 a.m.

CONSTRUCTION COMMITTEE MEETING AGENDA

DATE: Tuesday, June 18, 2024
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PLACE: Carl T. Langford Board Room, Orlando International Airport, One Jeff Fuqua Blvd., Orlando, FL 32827

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GENERAL

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C. REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 16 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC. DBA PSA MANAGEMENT, INC. FOR ADDITIONAL CONSTRUCTION PHASE OAR SERVICES FOR **L-00080** ACS/REX BUTTONS REPLACEMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.

D. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH COST MANAGEMENT INC. DBA CMI TO PROVIDE CONSTRUCTION PHASE OAR SERVICES FOR **R-00096** MCO SKYLIGHT REPAIRS AT GREAT HALL, AT THE ORLANDO INTERNATIONAL AIRPORT.

E. REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC., DBA PSA MANAGEMENT, INC. FOR CONSTRUCTION PHASE OAR SERVICES FOR **V-00990** BHS HIGH SPEED DIVERTER UPGRADE, AT THE ORLANDO INTERNATIONAL AIRPORT.

V. INFORMATION ITEMS

A. Field Change Order Log

B. Revised Backup for the Recommendation of Approval of an Amendment to Addendum No. 22 to The Continuing Program and Project Management Services Agreement with AECOM Technical Services, Inc. for W-00497 North Terminal Refresh Program Oversight, at the Orlando International Airport. [From the Construction Committee on February 6, 2024, Item No. IV-G].

C. Revised Memorandum for the Approval of an Amendment to the Purchase Order to TK Elevator Corporation for Purchase Order No. 1007440 for V-S00038 Terminal C Level 2 Moving Walks (Design/Build), at the Orlando International Airport. [From the Construction Committee on May 28, 2024, Item No. IV-E].

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The next Construction Committee Meeting is scheduled for Tuesday, June 25, 2024, at 9:00 a.m.

On **TUESDAY, APRIL 30, 2024**, the **CONSTRUCTION COMMITTEE** of the Greater Orlando Aviation Authority met at the Orlando International Airport in Carl T. Langford Board Room, One Jeff Fuqua Blvd., Orlando, FL 32827. Vice Chair Dennis called the meeting to order at 9:00 a.m. Vice Chair Dennis read the Lobbyist Disclosure and the Appeals Statement. The meeting was posted in accordance with Florida Statutes and a quorum was present. All Construction Committee members confirmed no violations regarding the Aviation Authority's Code of Ethics and Business Conduct; lobbying activities policy; or the Florida Sunshine law with regards to any agenda item.

Committee members present:

Marie Dennis, Vice Chair
Gary Hunt, Vice President, Facilities
Tricia Cottman, Vice President, Risk Management
Keila Walker-Denis, Interim Vice President, Information Technology

Also participating:

Karen Ryan, Legal Counsel (Nelson Mullins Broad & Cassel)
Debbie McKeown, GOAA Project Controls
Torie Brooks, GOAA Construction
Arlene Grant, GOAA Construction
Paul Haust, GOAA Information Technology
Karla Carman, GOAA Wayfinding and Signage Program
John Volpe, Jacobs Project Management Co.
Drew Erickson, Jacobs Project Management Co.
Scott Mizell, Jacobs Project Management Co.
Don Corthell, PSA Constructors, Inc. dba PSA Management, Inc.
Ksenia Merck, K. Merck & Associates
Fransheska Brown, Recording Secretary

CONSIDERATION OF MINUTES

Upon motion of Ms. Cottman, second by Ms. Walker-Denis, vote carried to approve the Construction Committee Minutes from the meetings held on February 27, March 5, March 12, March 19, 2024, as presented.

CHANGE ORDERS

A. **CHANGE ORDER BP-S00195-36 FOR BOLLARD CLARIFICATIONS.** Mr. Volpe presented the request for Change Order No. 36 on BP-S00195, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, carried to approve Change Order BP-S00195-36, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company, for the total amount of $213,718.00, and no time extension, with funding from previously-approved General Airport Revenue Bonds.

B. **CHANGE ORDER BP-S00195-37 FOR VARIOUS REVISIONS.** Mr. Volpe presented the request for Change Order No. 37 on BP-S00195, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Mr. Hunt, carried to approve Change Order BP-S00195-37, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company, for the total amount of $0.00, and no time extension, with funding from previously-approved General Airport Revenue Bonds.

C. **CHANGE ORDER BP-S00195-38 FOR ALLOWANCE NO. 08.** Mr. Volpe presented the request for Change Order No. 38 on BP-S00195, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, carried to recommend to the Aviation Authority Board approval of Change Order BP-S00195-38, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company, for the total amount of $750,000.00, and no time extension, with funding from previously-approved General Airport Revenue Bonds.

D. **CHANGE ORDER BP-S00195-39 FOR WATER SYSTEMS REQUIREMENTS.** Mr. Volpe presented the request for Change Order No. 39 on BP-S00195, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, carried to recommend to the Aviation Authority Board approval of Change Order BP-S00195-39, South Terminal C, Phase 1X – Airside Concourse, with Hensel Phelps Construction Company, for the total amount of $386,364.00, and no time extension, with funding from previously-approved General Airport Revenue Bonds.

E. CHANGE ORDER BP-S00196-01 FOR VARIOUS REVISIONS. Mr. Erickson presented the request for Change Order No. 1 on BP-S00196, South Terminal C, Phase 1X Airfield Civil, Apron and Taxiway Paving and Ground Support Facility Building, with Prince Contracting, LLC. Discussion ensued.

Upon motion of Ms. Cottman, second by Ms. Walker-Denis, carried to approve Change Order BP-S00196-01, South Terminal C, Phase 1X Airfield Civil, Apron and Taxiway Paving and Ground Support Facility Building, with Prince Contracting, LLC., for the total deductive amount of ($330,000.00), and no time extension, with funding from previously-approved FAA AIG and FDOT Grants to the extent eligible, Passenger Facility Charge to the extent eligible, and General Airport Revenue Bonds.

F. CHANGE ORDER BP-S00198-04 FOR DESIGN FOR SANITARY SEWER LINE. Mr. Mizell presented the request for Change Order No. 04 on BP-S00198, South Terminal C, Multi-Modal Connector Pedestrian Bridge and Rental Car Lobby (Design/Build), with The Weitz Company, LLC. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Ms. Cottman, carried to approve Change Order BP-S00198-04, South Terminal C, Multi-Modal Connector Pedestrian Bridge and Rental Car Lobby (Design/Build), with The Weitz Company, LLC., for the total amount of $59,062.00, and no time extension, with funding from Customer Facility Charges to the extent eligible.

NEW BUSINESS

A. **REQUEST FOR RECOMMENDATION OF APPROVAL TO PURCHASE THE WOVEN CUSTOM CARPET FROM ROYAL THAI AMERICAS, INC. IN ACCORDANCE WITH SOLICITATION NO. 24-136-IFB / BP-00485 HYATT HOTEL LOBBY RENOVATION DESIGN/BUILD, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Grant presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to recommend to the Aviation Authority Board approval of the purchase of woven custom carpet from Royal Thai Americas, Inc. in accordance with Solicitation No. 24-136-IFB / BP-00485 Hyatt Hotel Lobby Renovation (Design/Build), for the total lump sum amount of $283,689.45, with funding from previously-approved Capital Expenditure Funds.

B. **REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 30 TO THE TECHNOLOGY AND MULTI-MEDIA SYSTEMS SPECIALTY ENGINEER FOR THE SOUTH TERMINAL C, PHASE 1X (W-S00113) AGREEMENT WITH BURNS ENGINEERING INC. FOR PROPOSAL INCLUDING THE SCOPE AND FEE TO DESIGN THE TECHNOLOGY AND SECURITY SYSTEMS FOR BP-S00195, TERMINAL C, PHASE 1 EXPANSION, AIRSIDE CONCOURSE (GATES C250 - C253), AT THE ORLANDO INTERNATIONAL AIRPORT.**
Mr. Volpe presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, vote carried to approve an Amendment to Addendum No. 30 to the Technology and Multi-Media Systems Specialty Engineer for the South Terminal C, Phase 1X (W-S00113) Agreement with Burns Engineering Inc. for proposal including the scope and fee to design the technology and security systems for BP-S00195, Terminal C, Phase 1 Expansion, Airside Concourse (Gates C250 - C253)., for the total lump sum fees amount of $23,496.00, with funding from previously-approved General Airport Revenue Bonds; subject to funding consensus by the Construction Finance Oversight Committee (CFOC). *[Subsequent to the Construction Committee meeting, the CFOC consensed the funding as outlined above.]*

C. **REQUEST FOR RECOMMENDATION OF APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING LOW VOLTAGE CONSTRUCTION SERVICES AGREEMENT WITH ORLANDO BUSINESS TELEPHONE SYSTEMS, INC. FOR L-00083, FIBER OPTIC CABLE INSTALLATION - NORTH TERMINAL TO SOUTH TERMINAL - ITF, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Mr. Haust presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to recommend to the Aviation Authority Board for Approval of a Job Order Construction Services Addendum to the Continuing Low Voltage Construction Services Agreement with Orlando Business Telephone Systems, Inc. for L-00083, Fiber Optic Cable Installation - North Terminal to South Terminal - ITF, for the total direct-negotiated amount of $318,423.82, with funding from previously-approved Capital Expenditure Funds.

D. **REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING VERTICAL CONSTRUCTION SERVICES AGREEMENT WITH GOMEZ CONSTRUCTION COMPANY FOR V-00053 HVAC DAMPER AT BRIGHTLINE STATION, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Mr. Corthell presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Ms. Cottman, vote carried to approve a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with Gomez Construction Company for V-00053 HVAC Damper at Brightline Station, for the total direct-negotiated amount of $73,118.27, with funding from previously-approved Operations and Maintenance Funds.

E. **REQUEST FOR APPROVAL FOR THE PROJECT CLOSEOUT OF THE FF&E AND IT ITEMS FOR P1 AND P1X FROM W-S00145 SOUTH TERMINAL C, PHASE 1-OWNER FURNISHED FF&E IT ITEMS, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Ms. Merck presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, vote carried to approve the Project Closeout of the FF&E and IT items for P1 and P1X from W-S00145 South Terminal C, Phase 1-Owner Furnished FF&E IT items; there is no fiscal impact.

F. **REQUEST FOR APPROVAL OF THE PURCHASE OF PASSENGER BOARDING BRIDGE SWITCHES FROM VEYTEC, INC. FOR W-S00163 OWNER FURNISHED ITEMS, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Ms. Merck presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Ms. Cottman, second by Mr. Hunt, vote carried to approve the Purchase of Passenger Boarding Bridge Switches from Veytec, Inc. for W-S00163 Owner Furnished Item, for the total not-to-exceed amount of $167,792.25, with funding from previously-approved Capital Expenditure Funds.

G. **REQUEST FOR RECOMMENDATION OF APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 48 TO THE GENERAL CONSULTING SERVICES AGREEMENT WITH RICONDO & ASSOCIATES, INC. FOR CONCEPT PLANNING SERVICES FOR W-S00211, TERMINAL C, PHASE 2 PROGRAM DEFINITION DOCUMENT DEVELOPMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Ms. Merck presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Ms. Cottman, second by Ms. Walker-Denis, vote carried to recommend to the Aviation Authority Board approval of an Amendment to Addendum No. 48 to the General Consulting Services Agreement with Ricondo & Associates, Inc. for Concept Planning Services for W-S00211, Terminal C, Phase 2 Program Definition Document Development, for the total not-to-exceed fees amount of $1,018,559.00, with funding from previously-approved Capital Expenditure Funds. ; subject to funding consensus by the CFOC; [Subsequent to the Construction Committee meeting, the CFOC consensed the funding as outlined above.]

H. **REQUEST FOR 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. FOR INSPECTOR RESOURCES FOR THE TERMINAL C, PHASE 1X AIRFIELD CIVIL APRON AND TAXIWAY PAVING AND GROUND SUPPORT EQUIPMENT FACILITY PROJECT (BP-S00196), STAFF EXTENSIONS, AND BILLING RATE ADJUSTMENTS TO ADDENDUM NO. 3, AT THE ORLANDO INTERNATIONAL AIRPORT.**
This item is deferred.

I. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC., DBA PSA MANAGEMENT, INC. FOR DESIGN PHASE MANAGEMENT AND OVERSIGHT FOR W-00447 SELECTION OF ROADWAY SIGNAGE INFRASTRUCTURE DESIGNER, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Carman presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc., dba PSA Management, Inc. for Design Phase Management and Oversight for W-00447 Selection of Roadway Signage and Infrastructure Designer, for the total not-to-exceed fees amount of $12,347.00, with funding from FDOT Grants to the extent eligible and previously-approved General Airport Revenue Bonds.

J. **REQUEST FOR 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 ADDITIONAL CONSTRUCTION PHASE OAR SERVICES FOR V-00982 MCO CAMPUS KEY AND LOCK REPLACEMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to approve an Amendment to Addendum No. 7 to the Continuing Program and Project Management Services with PSA Constructors, Inc. dba PSA Management Inc. for additional construction phase OAR Services for V-00982 MCO Campus Key and Lock Replacement, for the total not-to-exceed fees amount of $51,430.00, with funding from line of credit to be reimbursed by General Airport Revenue Bonds.

K. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH PSA CONSTRUCTORS, INC., DBA PSA MANAGEMENT, INC. FOR CONSTRUCTION PHASE OAR SERVICES FOR V-S00053 MCO HVAC DAMPER AT BRIGHTLINE STATION, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc., dba PSA Management, Inc. for Construction Phase OAR Services for V-S00053 MCO HVAC Damper at Brightline Station, for the total not-to-exceed fees amount of $7,444.00, with funding from previously-approved Operations and Maintenance Funds.

L. **REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 39 TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH GEOTECH CONSULTANTS INTERNATIONAL, INC. DBA GCI INC. FOR ADDITIONAL CONSTRUCTION PHASE OAR SERVICES FOR W-00490, MCO CHANGING REGULATORY PROGRAM OVERSIGHT SERVICES, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Ms. Cottman, vote carried to approve an Amendment to Addendum No. 39 to the Continuing Program and Project Management Services Agreement with Geotech Consultants International, Inc. dba GCI Inc. for additional Construction Phase OAR Services for W-00490, MCO Changing Regulatory Program Oversight Services, for the total not-to-exceed fees amount of $67,584.00, with funding from previously-approved General Airport Revenue Bonds. ; subject to funding consensus by the CFOC; [Subsequent to the Construction Committee meeting, the CFOC consensed the funding as outlined above.]

M. **REQUEST FOR APPROVAL OF CONTRACTOR FINAL PAYMENT AUTHORIZATION FOR H-00328 FY 2023 AIRSIDE 3 RAMP SLAB REPLACEMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. McKeown presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, vote carried to approve Contractor Final Payment Authorization for H-00328 FY 2023 Airside 3 Ramp Slab Replacement, at the Orlando International Airport.

N. **REQUEST FOR APPROVAL OF CONTRACTOR FINAL PAYMENT AUTHORIZATION FOR L-S00007 PASSIVE OPTICAL NETWORK (PON) INSTALLATION AND INTEGRATION SERVICES, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. McKeown presented the memorandum, dated April 30, 2024. Discussion ensued.

Upon motion of Ms. Cottman, second by Ms. Walker-Denis, vote carried to approve Contractor Final Payment Authorization for L-S00007, Passive Optical Network Installation and Integration Services, at the Orlando International Airport.

INFORMATION ITEMS
The following items were presented for information only:

A. Field Change Order Log

B. Revised Backup for the Request for Recommendation of Approval of an Amendment to Addendum No.03 to the Specialty Automated People Mover and Passenger Rail Systems Consulting Services Agreement with Lea + Elliot, Inc. to provide Construction Phase Design Criteria and Specialty APM Consulting Services for Airside 2 and 4 APM System Replacement Programming for W-00420 Specialty Automated People Mover and Passenger Rail Systems Consulting Services, at the Orlando International Airport. [From the Construction Committee on October 10, 2023, Item No. IV-J].

C. Revised Backup for the Request for Recommendation of Approval of an Amendment to Addendum No. 22 to the Continuing Program and Project Management Services Agreement with AECOM Technical Services, Inc. for Additional Design Phase Services for W-00497 North Terminal Refresh Program Oversight, at the Orlando International Airport. [From the Construction Committee on February 6, 2024, Item No. IV-G].

D. No-cost Amendment to the Continuing Civil Engineering Services Agreement with Avcon, Inc. for Modification of Annual Rate Adjustment.

ADJOURNMENT
No public comments were made during the meeting. There being no further business for discussion, the meeting was adjourned at 9:33 a.m.

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Marie Dennis, Vice Chair
Construction Committee
Deputy Chief Financial Officer, Finance

On **TUESDAY, MAY 7, 2024**, the **CONSTRUCTION COMMITTEE** of the Greater Orlando Aviation Authority met at the Orlando International Airport in Carl T. Langford Board Room, One Jeff Fuqua Blvd., Orlando, FL 32827. Chair Shedek called the meeting to order at 9:00 a.m. Chair Shedek read the Lobbyist Disclosure and the Appeals Statement. The meeting was posted in accordance with Florida Statutes and a quorum was present. All Construction Committee members confirmed no violations regarding the Aviation Authority's Code of Ethics and Business Conduct; lobbying activities policy; or the Florida Sunshine law with regards to any agenda item.

Committee members present:

Scott Shedek, Chair
Marie Dennis, Deputy Chief Financial Officer, Finance
Gary Hunt, Vice President, Facilities
Tricia Cottman, Vice President, Risk Management
Keila Walker-Denis, Interim Vice President, Information Technology

Also participating:

Karen Ryan, Legal Counsel (Nelson Mullins Broad & Cassel)
Max Marble, GOAA Construction
Torie Brooks, GOAA Construction
Tuan Nguyen, GOAA Engineering
Danielle Plummer, GOAA Finance
Nils Johnson, Chase Construction Services
Scott Mizell, Jacobs Project Management Co.
Brian Gainous, Brian Gainous, Cost Management, Inc. dba CMI
Colin Paterson, Colin Paterson, The Roderick Group, Inc. dba Ardmore Roderick
Don Corthell, PSA Constructors, Inc. dba PSA Management, Inc.
Fransheska Brown, Recording Secretary

CONSIDERATION OF MINUTES

Upon motion of Mr. Hunt, second by Ms. Cottman, vote carried to approve the Construction Committee Minutes from the meeting held on March 26, 2024, as presented.

CHANGE ORDERS

A. **CHANGE ORDER V-00974-03 FOR VARIOUS REVISIONS.** Mr. Johnson presented the request for Change Order No. 03 on V-00974, Airside 2 and 4 Continuity of Operations Plan (Design/Build), with Gomez Construction Company. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Ms. Dennis, carried to approve Change Order V-00974-03, Airside 2 and 4 Continuity of Operations Plan (Design/Build), with Gomez Construction Company, for the total deductive amount of ($206,027.58), and no time extension, with funding from line of credit to be reimbursed with future General Airport Revenue Bonds.

B. **CHANGE ORDER V-01011-02 FOR SCREENING MACHINE RELOCATION.** Mr. Johnson presented the request for Change Order No. 02 on V-01011, Airside 4 60's Wing Renovations (Design/Build), with Gomez Construction Company. Discussion ensued.

Upon motion of Ms. Dennis, second by Mr. Hunt, carried to approve Change Order V-01011-02, Airside 4 60's Wing Renovations (Design/Build), with Gomez Construction Company, for the total amount of $67,518.04, and no time extension, with funding from previously-approved Capital Expenditure Funds.

NEW BUSINESS

A. **REQUEST FOR RECOMMENDATION OF APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 03 TO THE EXECUTIVE PROGRAM MANAGEMENT AND OVERSIGHT SERVICES FOR TERMINAL C PROGRAMS AGREEMENT WITH JACOBS PROJECT MANAGEMENT CO. FOR INSPECTOR RESOURCES FOR THE TERMINAL C, PHASE 1X AIRFIELD CIVIL APRON AND TAXIWAY PAVING AND GROUND SUPPORT EQUIPMENT FACILITY PROJECT (BP-S00196), STAFF EXTENSIONS, AND BILLING RATE ADJUSTMENTS TO ADDENDUM NO. 03, AT THE ORLANDO INTERNATIONAL AIRPORT.**

[A handout was presented, which includes New Backup.] Mr. Marble presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Dennis, second by Mr. Hunt, vote carried to recommend to the Aviation Authority Board approval of an Amendment to Addendum No. 03 to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. for Inspector Resources for the Terminal C, Phase 1X Airfield Civil Apron and Taxiway Paving and Ground Support Equipment Facility project (BP-S00196), Staff Extensions, and Billing Rate Adjustments to Addendum No. 03, for the total amount of $5,208,446.53, which includes the not-to-exceed fees amount of $4,289,060.53, and the not-to-exceed expenses amount of $919,386.00, with funding 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.

B. **REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 03 TO THE EXECUTIVE PROGRAM MANAGEMENT AND OVERSIGHT SERVICES FOR TERMINAL C PROGRAMS AGREEMENT WITH JACOBS PROJECT MANAGEMENT CO. FOR A NO COST REALLOCATION TO PROVIDE BUILDING ENVELOPE COMMISSIONING, FIRESTOPPING EVALUATION AND FIREPROOFING TESTING SERVICES FOR TERMINAL C PROGRAMS (W-S00149), TERMINAL C MULTI-MODAL CONNECTOR PEDESTRIAN BRIDGE AND RENTAL CAR LOBBY PROJECT (BP-S00198), AT THE ORLANDO INTERNATIONAL AIRPORT.**

[A handout was presented, which includes a Revised Memorandum.] Mr. Mizell presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Cottman, second by Ms. Walker-Denis, vote carried to approve an Amendment to Addendum No. 03 to the Executive Program Management and Oversight Services for Terminal C Programs Agreement with Jacobs Project Management Co. for a No Cost Reallocation to provide Building Envelope Commissioning, Firestopping Evaluation and Fireproofing Testing Services for Terminal C Programs (W-S00149), Terminal C Multi-Modal Connector Pedestrian Bridge and Rental Car Lobby project (BP-Programs (W-S00149), Terminal C Multi-Modal Connector Pedestrian Bridge and Rental Car Lobby project (BP-S00198), for the total amount of $0.00, with funding from Customer Facility Charges the extent eligible.

C. **REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING HORIZONTAL CONSTRUCTION SERVICES AGREEMENT WITH HORMAC CONSTRUCTION GROUP INC. FOR H-00375 BEAR ROAD DITCH CLEANING, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Mr. Gainous presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Dennis, vote carried to approve a Job Order Construction Services Addendum to the Continuing Horizontal Construction Services Agreement with Hormac Construction Group Inc. for H-00375 Bear Road Ditch Cleaning, for the total direct-negotiated amount of $156,000.00, with funding from previously-approved Operations and Maintenance Funds.

D. **REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING VERTICAL CONSTRUCTION SERVICES AGREEMENT WITH COLLAGE DESIGN AND CONSTRUCTION GROUP, INC. DBA THE COLLAGE COMPANIES FOR V-00961 AIRSIDE 1 APM CEILING REPAIRS, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Mr. Gainous presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Ms. Cottman, vote carried to approve a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with Collage Design and Construction Group, Inc. dba The Collage Companies for V-00961 Airside 1 APM Ceiling Repairs, for the total direct-negotiated amount of $234,453.00, with funding from previously-approved Operations and Maintenance Funds.

E. **REQUEST FOR APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING VERTICAL CONSTRUCTION SERVICES AGREEMENT WITH H.W DAVIS CONSTRUCTION, INC. FOR V-01016 AIRSIDE 3 WING 2 RAMP LEVEL RESTROOM REFURBISHMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.**

Mr. Paterson presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Dennis, vote carried to approve a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with H.W Davis Construction, Inc. for V-01016 Airside 3 Wing 2 Ramp Level Restroom Refurbishment, for the total direct-negotiated amount of $156,500.00, with funding from previously-approved Capital Expenditure Funds.

F. **REQUEST FOR RECOMMENDATION OF APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING VERTICAL CONSTRUCTION SERVICES AGREEMENT WITH CLANCY & THEYS CONSTRUCTION COMPANY FOR V-01028 CENTERFIELD ARFF TEMPORARY KITCHEN AND DEMOLITION, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Mr. Paterson presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Mr. Hunt, vote carried to recommend to the Aviation Authority Board approval of a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with Clancy & Theys Construction Company for V-01028 Centerfield ARFF Temporary Kitchen and Demolition, for the total direct-negotiated amount of $321,366.63, with funding from previously-approved Capital Expenditure Funds.

G. **REQUEST FOR APPROVAL OF AN AMENDMENT TO ADDENDUM NO. 01 TO THE BASE AGREEMENT FOR ROADWAY SIGNAGE AND INFRASTRUCTURE DESIGNER WITH AVCON, INC. FOR ADDITIONAL DESIGN AND BID PHASE SERVICES FOR W-00447 OVERHEAD SIGNAGE VARIABLE MESSAGE SIGN, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Mr. Corthell presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Cottman, vote carried to approve an Amendment to Addendum No. 01 to the Base Agreement for Roadway Signage and Infrastructure Designer with Avcon, Inc. for Additional Design and Bid Phase Services for W-00447 Overhead Signage Variable Message Sign, for the total not-to-exceed fees amount of $11,430.00, with funding from previously-approved General Airport Revenue Bonds, and FDOT Grants to the extent eligible.

H. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING CIVIL ENGINEERING CONSULTING SERVICES AGREEMENT WITH ATKINSRÉALIS USA, INC. FOR W-00513 NORTH EMPLOYEE PARKING LOT BUS LOOP PAVEMENT EVALUATION, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Mr. Nguyen presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Dennis, second by Mr. Hunt, vote carried to approve an Addendum to the Continuing Civil Engineering Consulting Services Agreement with AtkinsRéalis USA, Inc. for W-00513 North Employee Parking Lot Bus Loop Pavement Evaluation, for the total amount of $26,871.00, which includes the not-to-exceed fees amount of $22,122.00, and the not-to-exceed expenses amount of $4,749.00, with funding from previously-approved Operations and Maintenance Funds.

I. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH COST MANAGEMENT INC. DBA CMI TO PROVIDE OAR SUPPORT SERVICES FOR H-00375 BEAR ROAD DITCH CLEAN OUT PROJECT, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Dennis, second by Ms. Cottman, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management Inc. dba CMI to provide OAR Support Services for H-00375 Bear Road Ditch Clean Out Project, for the total not-to-exceed fees amount of $15,612.00, with funding from previously-approved Operations and Maintenance Funds.

J. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH THE RODERICK GROUP, INC., DBA ARDMORE RODERICK FOR DESIGN, BID AND AWARD PHASE OAR SERVICES FOR R-00105 BUILDING 858 ROOF REPLACEMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for Design, Bid and Award Phase OAR Services for R-00105 Building 858 Roof Replacement, for the total not-to-exceed fees amount of $13,986.53, with funding from previously-approved Capital Expenditure Funds.

K. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH COST MANAGEMENT INC. DBA CMI FOR CONSTRUCTION PHASE OAR SERVICES FOR V-00961 AS1 CEILING REPAIRS, AT THE ORLANDO INTERNATIONAL AIRPORT.**
[A handout was presented, which includes a Revised Memorandum.] Ms. Brooks presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Cottman, second by Ms. Dennis, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management Inc. dba CMI for Construction Phase OAR Services for V-00961 AS1 Ceiling Repairs, for the total not-to-exceed fees amount of $23,448.00, with funding from previously-approved Operations and Maintenance Funds.

L. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH THE RODERICK GROUP, INC., DBA ARDMORE RODERICK FOR CONSTRUCTION PHASE OAR SERVICES FOR V-01016 AIRSIDE 3 WING 2 RAMP LEVEL RESTROOM REFURBISHMENT, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Dennis, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for Construction Phase OAR Services for V-01016 Airside 3 Wing 2 Ramp Level Restroom Refurbishment, for the total not-to-exceed fees amount of $15,584.00, with funding from previously-approved Capital Expenditure Funds.

M. **REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING PROGRAM AND PROJECT MANAGEMENT SERVICES AGREEMENT WITH THE RODERICK GROUP, INC., DBA ARDMORE RODERICK FOR CONSTRUCTION PHASE OAR SERVICES FOR V-01028 CENTERFIELD ARFF TEMPORARY KITCHEN AND DEMOLITION, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Ms. Brooks presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Walker-Denis, second by Mr. Hunt, vote carried to approve an Addendum to the Continuing Program and Project Management Services Agreement with The Roderick Group, Inc., dba Ardmore Roderick for Construction Phase OAR Services for V-01028 Centerfield ARFF Temporary Kitchen and Demolition, for the total not-to-exceed fees amount of $31,888.00, with funding from previously-approved Capital Expenditure Funds.

N. **REQUEST FOR RECOMMENDATION OF APPROVAL OF A NO-COST ADDENDA TO THE CONTINUING TRANSPORTATION PLANNING SERVICES AGREEMENTS TO EXERCISE BOTH ONE-YEAR RENEWAL OPTIONS FOR HNTB CORPORATION AND HDR ENGINEERING, INC.**
Ms. Plummer presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to recommend to the Aviation Authority Board approval of a No-Cost Addendum to each of the Continuing Transportation Planning Services Agreements to Exercise both one-year renewal options with HNTB Corporation and HDR Engineering, Inc., to June 10, 2026, and October 1, 2026, respectively; there is no fiscal impact.

O. **REQUEST FOR APPROVAL OF CONTRACTOR FINAL PAYMENT AUTHORIZATION FOR E-00283 RUNWAY 18L VAULT WORK, AT THE ORLANDO INTERNATIONAL AIRPORT.**
Mr. Shedek presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Ms. Cottman, second by Ms. Dennis, vote carried to approve Contractor Final Payment Authorization for E-00283 Runway 18L Vault Work, at the Orlando International Airport.

P. **REQUEST FOR APPROVAL OF CONTRACTOR FINAL PAYMENT AUTHORIZATION FOR L-00072 ON-CALL LOW VOLTAGE SERVICES (FY 2023-OBTS), AT THE ORLANDO INTERNATIONAL AIRPORT.**

Mr. Shedek presented the memorandum, dated May 7, 2024. Discussion ensued.

Upon motion of Mr. Hunt, second by Ms. Walker-Denis, vote carried to approve Contractor Final Payment Authorization for L-00072 On-Call Low Voltage Services (FY 2023-OBTS), at the Orlando International Airport.

INFORMATION ITEMS

The following items were presented for information only:

A. Field Change Order Log

ADJOURNMENT

No public comments were made during the meeting. There being no further business for discussion, the meeting was adjourned at 9:28 a.m.

_____

Scott Shedek, Chair
Construction Committee
Vice President, Construction

CONSTRUCTION COMMITTEE MEETING
CHANGE ORDER AGENDA
Tuesday, June 18, 2024

ITEM	CHANGE ORDER	AMOUNT	TIME IMPACT	DESCRIPTION OF CHANGE
III-A	BP-S00196-02	$156,976.78	0 (Substantial) 0 (Final)	VARIOUS REVISIONS STC, Phase 1X - Airfield Civil, Apron & Taxiway Paving and Ground Support Facility Building **Contractor: Prince Contracting, LLC.**
III-B	BP-S00196-03	$13,450.00	0 (Substantial) 0 (Final)	VARIOUS REVISIONS STC, Phase 1X - Airfield Civil, Apron & Taxiway Paving and Ground Support Facility Building **Contractor: Prince Contracting, LLC.**
III-C	E-00280-01	($92,054.82)	0 (Substantial) 0 (Final)	VARIOUS REVISIONS West Airfield Electrical Upgrades **Contractor: H.L Pruitt Corporation**
III-D	E-00281-02	$26,565.92	0 (Substantial) 0 (Final)	VARIOUS REVISIONS Airside 4 PA System Upgrade **Contractor: Quality Cable Contractors, Inc.**
III-E	L-00080-02	$63,851.17	0 (Substantial) 0 (Final)	VARIOUS REVISIONS ACS/REX Buttons Replacement **Contractor: Quality Cable Contractors, Inc.**
III-F	V-01007-01	$10,477.00	0 (Substantial) 0 (Final)	VARIOUS REVISIONS Terminal B Area 4 Level 2 Baggage Handling System Roof Repair **Contractor: H.W. Davis Construction, Inc.**

***Requires Board approval.**

III-G	V-01011-05	$103,189.45	0 (Substantial) 0 (Final)	REPAIR ROOF LEAKS Airside 4 60's Wing Renovations (Design/Build) **Contractor: Gomez Construction Company**

***Requires Board approval.**

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 02	AMOUNT $ 156,976.78	Extension Of Time (Subst.): 0 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	BP- S00196 – Terminal C, PH 1X Airfield Civil, Apron & Taxiway Paving and Ground Support Facility Building	DATE: 6/18/2024
CONTRACTOR:	Prince Contracting LLC	
A/E:	HNTB Corporation	

DESCRIPTION OF CHANGE TO CONTRACT: Ready-Mix placement of Twenty-one (21) hand poured 20'x20' concrete panels OUC vaults MH-AP-223, MH-AC-223, MH-AD-223, MH-AD-222, MH-AP-222 & MH-A1-15

1. **Item: P-306 ready-mix concrete:** Material, formwork, and labor for the placement of lean concrete panels around the OUC vaults. 933.33SY at a rate of $115.11/SY (Base Scope Item)

   Add: $107,435.62

2. **Item P-501 ready-mix concrete:** Material, formwork, and labor for the placement of PCC panels around the OUC vaults. 933.33SY at a rate of $283.08/SY (Base Scope Item)

   Add: $ 264,207.06

3. **Item: P-306 bid tab item P-306-8.1 SOV Line 50:** Remove 933.33 SY from base bid line item at a rate of $50.00/SY (Credit to Base Scope Item)

   Deduct: ($46,666.50)

4. **Item: P-501 bid tab item P-501-8.1 SOV Line 52:** Remove 933.33 SY from base bid line item at a rate of $180.00/SY (Credit to Base Scope Item)

   Deduct: ($167,999.40)

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

REASON FOR CHANGE:

1. **Unforeseen Conditions:** Resequencing the work and to support the energizing of the OUC primary power ahead of original timeline on the BP-S00195 project . Delaying the installation of panels until after power energization could necessitate the disruption of primary conduits, leading to potential electricity interruptions. Prioritizing safety concerns, seeking to mitigate risks associated with construction activities around energized primary power cables inside the OUC vaults. Minimizing such risks is paramount for the well-being of all personnel involved.

SOURCE OF FUNDS: GARB's, PFC's, BIL AIG, & FDOT

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

EXPLAIN:

CC ITEM III-A 6/18/2024

Previously Presented Bulletin(s):		N/A

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

Previously Approved Field Change Order(s):			N/A
Contractor's Original RCO Submission	$ 371,642.68		
GOAA/OAR Estimate	$ 350,000.00		
(a) Change Contract Amount By			**$** 156,976.78
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)		$ 0
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)		$ 0
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 156,976.78**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$
		Errors	$
PREPARED BY: Drew Erickson			PHONE: 407-825-1451

*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	06/04/2024	06/11/2024	LQ	Melvin Martinez

MEMORANDUM

To: Drew Erickson, Project Manager

From: Bunker Hill, Lead Estimator

cc: BP-S00196 Project File

Date: June 3, 2024

Re: BP-S00196 Change Request - OUC Vault P-501 Accelerated Panels

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Summary: This Change Request is being presented for costs associated with accelerating the placement of select P-501 concrete panels in preparation for the installation of OUC Vaults.

PMO Independent Cost Estimate: $ 350,000 (See Attached)

Inclusions, Exclusions & Clarifications:

Specifically included scopes are:

• Material / Labor / Equipment for the manual placement of ready-mix concrete at the following OUC vault locations: MH-AP-223, MH-AC-223, MH-AD-223, MH-AD-222, MH-AP-222, and MH-A1-15.

Basis of Estimate: This PMO estimate is based on panel size / location per BP-S196 TERM C PH 1X Pavement Joint Layout Plan sheet C14.01.09.

Prince Contraction Initial Proposal: $ 371,642

Subcontractors: Prince Contracting LLC.

Proposed cost is fair and reasonable for the presented scope of work.

OUC Vault P-501 Accelerated Panels

Orlando International Airport

Rough Order of Magnitude (ROM) Estimate of Probable Costs

Estimate Summary

CSI	Description		All Subtotal
1	General Requirements		$19,760
2	Concrete		$257,478
		Subtotal Construction:	**$277,238**
	Logistics/ Phasing Premium	@ 5%	$13,862
		Subtotal	$291,100
	General Conditions	@ .5%	$13,862
		Subtotal	$304,962
	Contractor Fee	@ 10%	$27,724
		Total Project Cost:	**$332,686**
	Contingency	@ 5%	$16,634
		Total Burdened Cost:	**$349,320**
		Rounded Cost:	**$350,000**

OUC Vault P-501 Accelerated Panels

Orlando International Airport

Rough Order of Magnitude (ROM) Estimate of Probable Costs

Estimate Detail

Line	CSI	Div	Description	Total Quantity	Unit	Unit Cost	Extension	Subtotal	Division Subtotal
1	1		**General Requirements**						**$19,760.00**
2			**Construction Aids**					**$19,760.00**	
3			GOAA Badging	1	LS	$250.00	$250.00		
4			Mobilization / Demobilization (5%)	1	LS	$13,758.00	$13,758.00		
5			Staging Area	1	LS	$2,500.00	$2,500.00		
6			Traffic Control Plan/MOT & Safety Devices	1	LS	$500.00	$500.00		
7			Clean Up, Final, (1%)	1	LS	$2,752.00	$2,752.00		
8	3		**Concrete**						**$257,477.99**
9			**Lean, P-306**					**$40,640.40**	
10			Concrete, **Ready Mix**, Lean **P-306**	933	SY	$ 41.26	$38,505.83		
11			Environmental Fee	17	LD	$25.00	$432.10		
12			Fuel Surcharge	17	LD	$88.50	$1,529.63		
13			Concrete Handling Fee	17	LD	$10.00	$172.84		
14			Concrete Washout						
15			**Concrete, P-501**					**$114,242.59**	
16			Concrete, **Ready Mix**, Paving **P-501**	933	SY	$ 115.54	$107,838.89		
17			Environmental Fee	52	LD	$25.00	$1,296.30		
18			Fuel Surcharge	52	LD	$88.50	$4,588.89		
19			Concrete Handling Fee	52	LD	$10.00	$518.52		
20			Concrete Washout						
21			**Concrete, Other**					**$102,594.99**	
22			Forms, CIP, Mat Foundation, Plywood, 2 Use	640	SFCA	$6.62	$4,236.80		
23			Curing Material	480	SF	$ 0.52	$250.94		
24			Dowel Drilling, 1.5" Dia, 10" Deep	156	EA	$13.36	$2,084.16		
25			Dowels	156	EA	$ 22.50	$3,509.55		
26			Dowel Basket	27	EA	$ 1,068.61	$28,852.56		
27			Reinforcing steel, unload and sort, add to base	17	TN	$ 74.10	$1,245.03		
28			Reinforcing steel, in place, slab on grade, #3 to #7, incl labor for accessori	33,604	LB	$ 1.21	$40,660.91		
29			Concrete sawing, concrete slabs, rod reinforced, 1/2" wide, layout and set	800	EA	$8.85	$7,080.00		
30			Concrete sawing, concrete slabs, rod reinforced, 1/8" wide, layout and set	540	LF	$2.36	$1,274.40		
31			1.5" Premolded Compressible Material Seal	800	LF	$7.84	$6,272.64		
32			1/2" Preformed Elastomeric Joint Sealant	800	LF	$ 8.91	$7,128.00		
33									
34			**Total Construction**				**277,237.99**	**277,237.99**	**277,237.99**

			Thickness	
			Lean	Concrete
Sections	20.00	20.00	0.50	1.50
Per Section		SY	44.44	44.44
Per Section		CY	7.4	22.2
Total:		SY	933.3	933.3
Total:		CY	155.56	467
Total # of Sections:	21			
Sections w/ MH Penetrations	10		Total CY	
Plain Sections:	11		622.22	

Forms	16	Faces		640.00	SFCA		
1.5" Premolded Compressible Material Seal	16	LF	Each Structu	160.00	LF		
Curing Material	12	Faces		480.00	SF		
Dowel Drilling, 1.5" Dia, 10" Deep	12	Faces		156.00	EA		
Dowels @ 13 per face	156	Ea	Total	156.00	EA		
Dowel Basket	27	Ea					
Edge Seal	0	LF					
Saw Cutting @ Contraction Joint: 1/2" x 5" @ Edge	27	EA		540.00			
Saw Cutting @ Construction Joint: 1/2" x 5", Interior	13	EA		260.00			
1/2" Sawcutting Total:				800.00	LF		
Saw Cutting @ Contraction Joint: 1/8" x 6"	27	EA		540.00	LF		
1/2" Preformed Elastomeric Joint Sealant				800.00	LF		
3/4" Preformed Elastomeric Joint Sealant				0.00			
Rebar - Riser/Penetration Slab	8		Each			Weight of 1 LF	
46 each #7 @ 19'	1786						
8 each #4 @ 6'	32					#4	0.67
48 each #6 @ 10' (Std Hook)	721					#6	1.50
24 each #6 @ 19' (Legs)	685					#7	2.04
36 each #4 @ stirrups @ 8'	192			13.67			
Rebar - Standard Slab	13						
38 #4 @ 19'	482						
				3.13			
Rebar Total Tn:				16.80	Tns	0.01	LBS

Quantity	LineNumber	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total
0.00	038216100900	Concrete impact drilling, for anchors, up to 4" D, 1-1/2"" dia, in concrete or brick walls and floors, includes bit cost, layout and set up time, excl anchor	1 Carp	35	0.229	Ea.	$ 0.52	$ 6.68	$ -	$ 7.20
0.00	038216100950	Concrete impact drilling, for anchors, 1-1/2" dia, in concrete or brick walls and floors, includes bit cost, layout and set up time, excl anchor, for each additional inch of depth in same hole, add	1 Carp	165	0.048	Ea.	$ 0.13	$ 1.41	$ -	$ 1.54
0.00	321313052100	Slip form cement concrete pavement, airports, 4500 psi, slip form, unreinforced, 24' pass, 8" thick, includes joints, finishing, and curing	B26A	10600	0.008	S.Y.	$ 65.30	$ 0.30	$ 0.41	$ 66.01
0.00	321313052200	Slip form cement concrete pavement, airports, 4500 psi, slip form, unreinforced, 24' pass, 18" thick, includes joints, finishing, and curing	B26A	4820	0.018	S.Y.	$ 137.06	$ 0.68	$ 0.91	$ 138.65
0.00	033923130720	Concrete surface treatment, curing compound, 200-400 S.F. per gallon, 5 gal. lots, includes material only		0	0	Gal.	$ 52.68	$ -	$ -	$ 52.68
0.00	033923130300	Concrete surface treatment, curing, sprayed membrane compound	2 Clab	95	0.168	C.S.F.	$ 26.79	$ 4.19	$ -	$ 30.98
0.00	032111602430	Reinforcing steel, in place, dowels, deformed, 2' long, #6, A615, grade 60	2 Rodm	360	0.044	Ea.	$ 1.92	$ 1.26	$ -	$ 3.18
0.00	032111602450	Reinforcing steel, in place, dowels, deformed, A615, grade 60, longer and heavier, add	2 Rodm	725	0.022	Lb.	$ 0.64	$ 0.63	$ -	$ 1.27
0.00	038113500500	Concrete sawing, concrete slabs, rod reinforced, up to 3" deep, includes blade cost, layout and set up time	B89	800	0.02	L.F.	$ 0.17	$ 0.53	$ 1.07	$ 1.77
0.00	038113500520	Concrete sawing, concrete, existing slab, rod reinforced, for each additional inch of depth over 3", includes blade cost, layout and set up time	B89	2400	0.007	L.F.	$ 0.06	$ 0.18	$ 0.35	$ 0.59
0.00	032111602000	Reinforcing steel, unload and sort, add to base	C5	100	0.48	Ton	$ -	$ 12.59	$ 24.46	$ 37.05
0.00	032111600602	Reinforcing steel, in place, slab on grade, #3 to #7, A615, grade 60, incl labor for accessories, excl material for accessories	4 Rodm	4200	0.008	Lb.	$ 0.58	$ 0.21	$ -	$ 0.79
0.00	093095100200	Membrane, elastomeric, moisture resistant, anti-fracture, 1/16" thick	D7	275	0.058	S.F.	$ 1.57	$ 1.40	$ -	$ 2.97

0.00	032111600602	Reinforcing steel, in place, slab on grade, #3 to #7, A615, grade 60, incl labor for accessories, excl material for accessories	4 Rodm	4200	0.008	Lb.	$ 1.00	$ 0.21	$ -	$ 1.21

Reinforcing steel, in place, slab on grade, #3 to #7, incl labor for accessories

Concrete sawing, concrete slabs, rod reinforced, 1/2" wide, layout and set up time

Concrete sawing, concrete slabs, rod reinforced, 1/8" wide, layout and set up time

							Material	Labor	Equipment	Total
0.00	321313052100	Slip form cement concrete pavement, airports, 4500 psi, slip form, unreinforced, 24' pass, 8" thick, includes joints, finishing, and curing	B26A	10600	0.008	S.Y.	$ 25.89	$ 0.90	$ 1.23	$ 28.02
0.00	321313052200	Slip form cement concrete pavement, airports, 4500 psi, slip form, unreinforced, 24' pass, 18" thick, includes joints, finishing, and curing	B26A	4820	0.018	S.Y.	$ 87.50	$ 1.36	$ 1.82	$ 90.68

Lean	at 6" there is .167 QY/SY	P-306	155	Tripple Labor & Equipment (Due to constricted space/difficulty of configuration, etc)	
Concrete	at 18" there is .5 QY/SY	P-501	175	Double Labor & Equipment	

0.00	033923130720	Concrete surface treatment, curing compound, 200-400 S.F. per gallon, 5 gal. lots, includes material only		0	0	Gal.	$ 52.68	$ -	$ -	$ 52.68
0.00	033923130300	Concrete surface treatment, curing, sprayed membrane compound	2 Clab	95	0.168	C.S.F.		$ 4.19	$ -	$ 4.19

Use 300 SF/Gallon

480.00 SF		0.22	0.04	0.26
2Gallons				

							Material	Labor	Equipment	Total
0.00	038216100900	Concrete impact drilling, for anchors, up to 4" D, 1-1/2"" dia, in concrete or brick walls and floors, includes bit cost, layout and set up time, excl anchor	1 Carp	35	0.229	Ea.	$ 0.52	$ 6.68	$ -	$ 7.20
0.00	038216100950	Concrete impact drilling, for anchors, 1-1/2" dia, in concrete or brick walls and floors, includes bit cost, layout and set up time, excl anchor, for each additional inch of depth in same hole, add	1 Carp	165	0.048	Ea.	$ 0.13	$ 1.41	$ -	$ 1.54

0.00	093095100200	Membrane, elastomeric, moisture resistant, anti-fracture, 1/16" thick	D7	275	0.058	S.F.	$ 1.57	$ 1.40	$ -	$ 2.97

Say 3" in height so each is .25 per LF — Use *.25

1/16 to 1/2 = *8 Use *6 — Use *6

PRINCE
Prince Contracting, LLC

PC-GOAA_003

May 31, 2024

Drew Erickson
Greater Orlando Aviation Authority - GOAA
5855 Cargo Road
Orlando, FL 32827-4349

Via email: drew.erickson@goaa.org

Subject: Accelerated Hand Pour panels for OUC Vaults
Contract No.: BP No. S00196, Terminal C, Phase 1 Expansion (P1X) – Airfield Civil, Apron and Taxiway Paving, and GSE Facility at the OIA.

Dear Mr. Erickson:

Prince Contracting, LLC ("PRINCE") hereby submits its cost proposal to Hand pour the accelerated panels for the OUC Vaults as requested.

- P-501-8.1: $283.08/SY

P-501-8.1				
DESCRIPTION	**TOTAL COST**	**UNIT**	**QUANTITY**	**COST PER UNIT**
Labor	$ 33,101.39	SY	933.33	$ 35.47
Materials	$ 142,574.56	SY	933.33	$ 152.76
Equipment	$ 51,122.22	SY	933.33	$ 54.77
Subcontractors	$ 37,410.40	SY	933.33	$ 40.08
	TOTAL UNIT PRICE			**$ 283.08**

- P-306-8.1: $115.11/SY

P-306-8.1				
DESCRIPTION	**TOTAL COST**	**UNIT**	**QUANTITY**	**COST PER UNIT**
Labor	$ 17,828.23	SY	933.33	$ 19.10
Materials	$ 46,250.95	SY	933.33	$ 49.55
Equipment	$ 30,237.60	SY	933.33	$ 32.40
Subcontractors	$ 13,120.80	SY	933.33	$ 14.06
	TOTAL UNIT PRICE			**$ 115.11**

PRINCE
Prince Contracting, LLC

Prices above do not include existing manhole adjustments and the procurement of new air craft rated lids, we will share that information in a separate proposal.

Please feel free to contact me should you have any questions.

Sincerely,
PRINCE



Rodrigo Figueroa
Area Manager

cc: Carlos Garzon, PRINCE
Carlos Colon, PRINCE
Benjamin Brown, GOAA

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 03	AMOUNT $ 13,450.00	Extension Of Time (Subst.): 0 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	BP- S00196 – Terminal C, PH 1X Airfield Civil, Apron & Taxiway Paving and Ground Support Facility Building	DATE: 6/18/2024
CONTRACTOR:	Prince Contracting LLC	
A/E:	HNTB Corporation	

DESCRIPTION OF CHANGE TO CONTRACT: Relocate structure A-289 and modify 30-inch RCP run between A-289 & A-274 due to 24-inch sanitary force main and fiber optic cabling conflicts. The new proposed drainage plan requires an additional 11 LF of 30-inch RCP and 1 additional inlet A-289A.

1. **Item: D-701-5.3 SOV Line 14:** Eleven (11) Linear Feet (LF) of 30-inch Reinforced Concrete Pipe. $450.00/LF (Base Scope Line Item)

   Add: $4,950.00

2. **Item D-751-5.2 SOV Line 23:** One (1) Inlet. $8,500.00/EA (Base Scope Line Item)

   Add: $ 8,500.00

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

REASON FOR CHANGE:

1. **Unforeseen Condition:** Modify location of structure A-289, add 11LF of 30" RCP and a new inlet to avoid conflicts with existing 24" Sanitary Force Main and Fiber Optic cabling. This change was generated by RFI #7 and issued in Bulletin #4. This change order resolves all costs associated with Bulletin #4

SOURCE OF FUNDS: General Airport Revenue Bonds (GARB's)

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

EXPLAIN:

Previously Presented Bulletin(s):		N/A
Previously Approved Field Change Order(s):		N/A

Contractor's Original RCO Submission	$ Unit Prices	
GOAA/OAR Estimate	$ Unit Prices	
(a) Change Contract Amount By		**$** 13,450.00
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$ 0
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$ 0
(d) Total Cost Impact of this Change (d = a + b + c)		**$ 13,450.00**

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

PREPARED BY: Drew Erickson PHONE:

CC ITEM III-B 6/18/2024

GREATER ORLANDO AVIATION AUTHORITY
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*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	06/04/2024	06/11/2024	LQ	Melvin Martinez

PRINCE
Prince Contracting, LLC

PC-GOAA_004

June 4, 2024

Drew Erickson
Greater Orlando Aviation Authority - GOAA
5855 Cargo Road
Orlando, FL 32827-4349

Via email: drew.erickson@goaa.org

Subject: Relocation Structure A-289 and Additional Structure (A289A) and 30-in pipe
Contract No.: BP No. S00196, Terminal C, Phase 1 Expansion (P1X) – Airfield Civil, Apron and Taxiway Paving, and GSE Facility at the OIA.

Dear Mr. Erickson:

Prince Contracting, LLC ("PRINCE") has reviewed RFI 007 and considers Option 3 as the most viable alternative. We are in agreement additional work can be performed under the unit prices below.

Bid Item	Pay Item	Description	QTY	Unit	UP	TOTAL
7000	D-701-5.3	30-INCH REINF CONC PIPE	11.000	LF	$ 450.00	$ 4,950.00
11500	D-751-5.2	INLETS	1.000	EA	$ 8,500.00	$ 8,500.00

Please feel free to contact me should you have any questions.

Sincerely,
PRINCE



Rodrigo Figueroa
Area Manager

cc: Carlos Garzon, PRINCE
Carlos Colon, PRINCE

This RFI response does not constitute a change to the Contract. Notice must be provided, in accordance with the contract, if additional time or compensation will be claimed regarding the noted response

Drew Erickson

PMO has chosen Option 3

REQUEST FOR INFORMATION (RFI)

PROJECT: Term C, PH 1X Airfield Civil, Apron and Taxiway Paving and Ground Support Equipment (GSE) Facility

PROJECT NO.: BP-S00196

DATE: 05/23/2024

RFI NUMBER: 007

REQUEST TO: Drew Erickson
Project Manager
Jacobs / GOAA PMO

SUBJECT: Exist. Force Main and Fiber Optic Conflict with 30" RCP

REQUEST:

Refer to the attached drawing showing our findings of the existing 24" force main and fiber optic in conflict with the proposed 30-in storm drainage pipe that crosses the proposed VSR.

Please advise how to proceed with the storm drainage between proposed structure A-289 and existing structure A-274.

SUBMITTED BY: **PRINCE** – Carlos A. Colón – Sr. Project Engineer

DATE ANSWER REQUESTED BY: 05/24/2024

REPLY:

Please see summary below of 5/23/24 meeting between EOR, HNTB,PMO, and GOAA staff along with solution to conflict. Sketch below provides different solutions.

REPLY BY: Kimley Horn - EOR **DATE:** 05-24-24

HNTB, 5/28/24

Response to RFI and 05/23/24 Meeting Summary

A meeting to discuss the possible solutions to this conflict were discussed between KH, HNTB, PMO, and GOAA on 5/23/24. Three viable solutions were presented and are summarized below:

Option 1: Relocate Structure A289 south of the existing FM. Realign storm pipe to connect from structure A289 to structure A274. Drop pipe invert in structure A289 approx 1' to maintain clearance underneath existing FO line. EOR believes this to warrant a deductive change order due to decrease length of pipe required. This will require laying pipe underneath the active FO line.

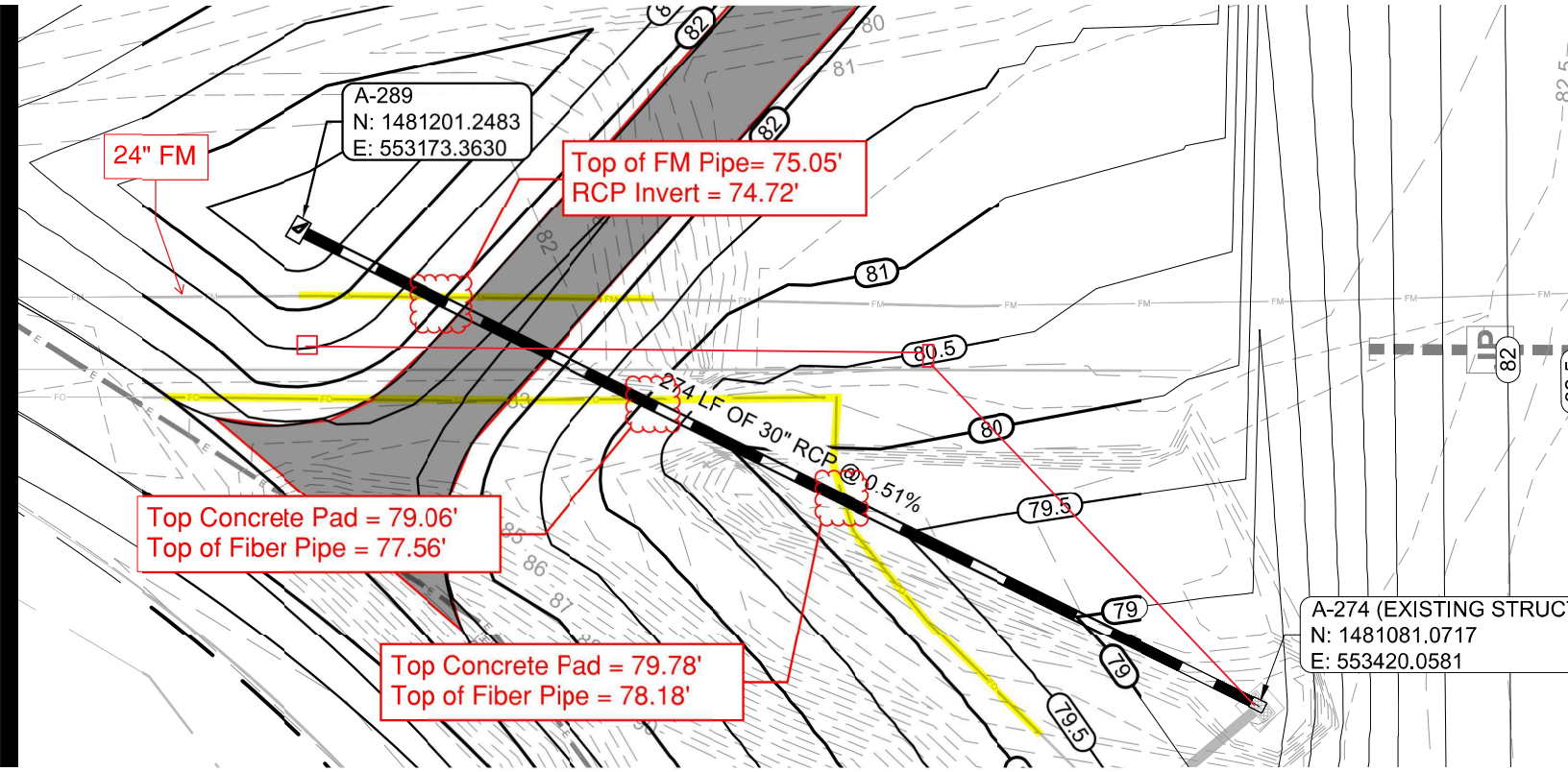
Option 2: Relocate Structure A289 south of existing FM. Reroute storm pipe from A289 to a MES outfall southwest of the structure leading into GOAA Tradeport Ditch. This would require laying pipe beneath the existing AOA fence and crossing underneath the existing active FO line. EOR believes this to be an approximately equal cost to the bid construction cost, or a slight increase in cost.

Option 3: Relocate Structure A289 south of existing FM. Provide an additional MH structure (A289A) directly east of A289 and reroute storm pipe directly parallel to the existing FM and existing FO, requiring no crossings. The new structure A289A will then turn at a 45 degree to connect the proposed storm pipe to existing structure A274. This option may result in a slight added cost to the Owner.

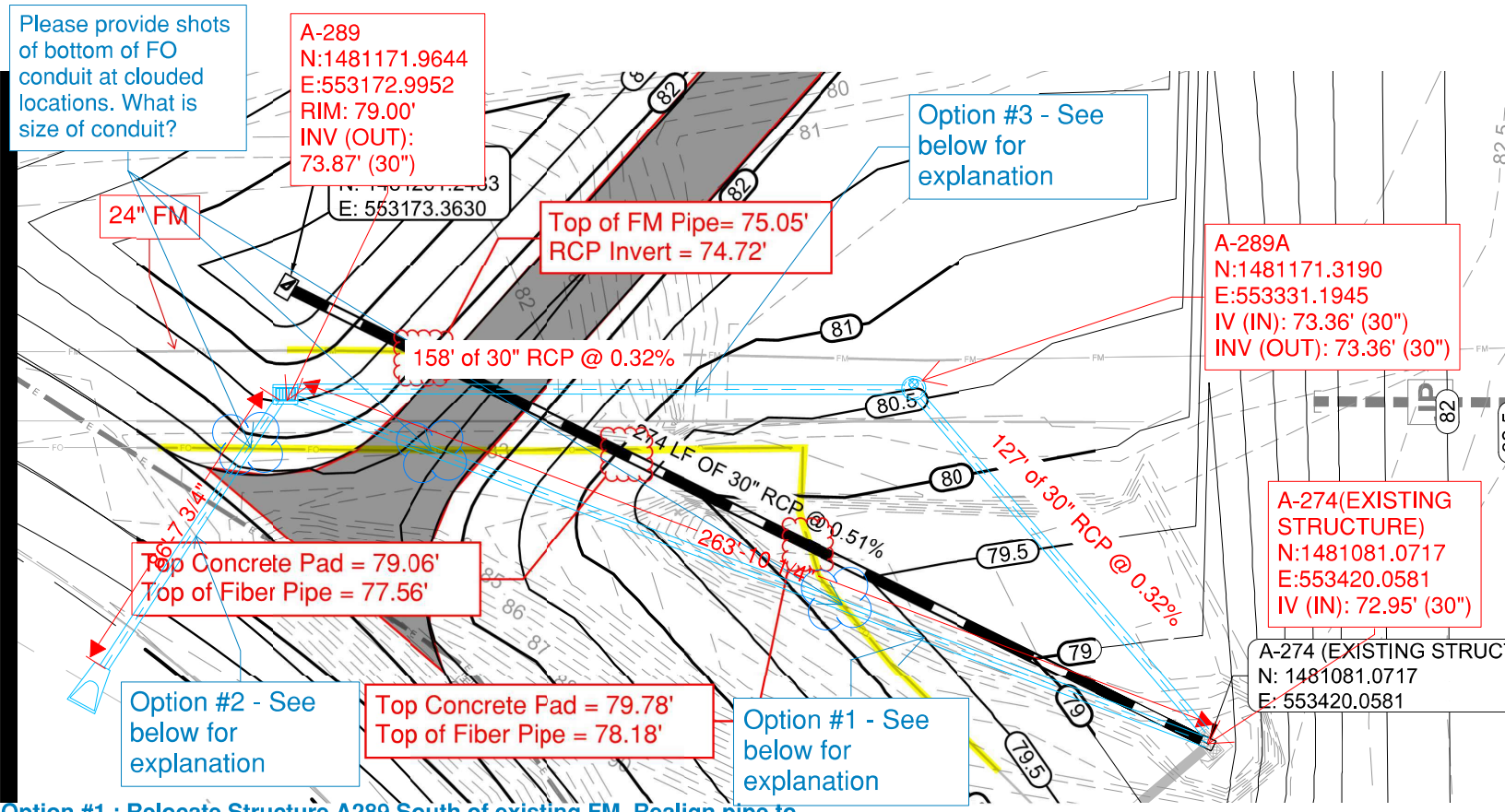
Discussion Notes:

During the meeting, the three options were presented to the PMO and GOAA staff. The PMO noted that the preference would be to avoid construction under the Fiber Optic line completely to ensure there were no possible damages or outages related to construction. With this concern in mind, GOAA staff and the PMO agreed that the preferred solution for the conflict would be Option 3. This option will avoid construction directly under the existing FO utility, and will still allow for the desired drainage pattern from the initial design. PMO and GOAA noted that the slight added cost of the additional structure and small amount of additional pipe would outweigh the possible cost if the active FO line was damaged during construction. The intent of this RFI response is to provide revised pipe alignment and elevations to allow construction progress on the VSR. Revised plan sheets will be issued in a future Bulletin to show revised grading and structure/pipe elevations.

Exhibit Provided in initial RFI



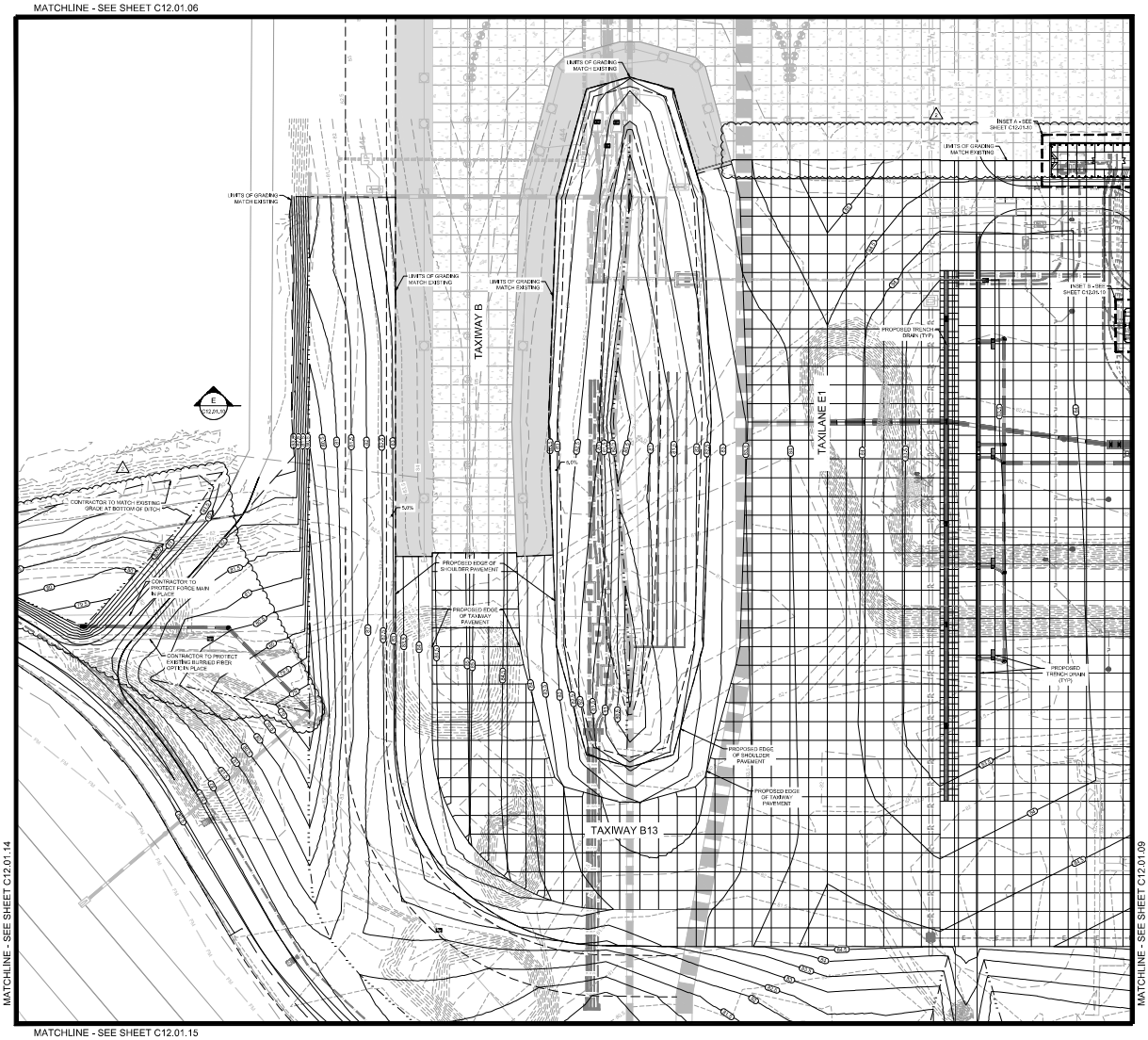
Proposed Recommendations Sketch - EOR



Option #1 : Relocate Structure A289 South of existing FM. Realign pipe to connect to A274, passing underneath existing FO line. Need invert of FO conduit to confirm this option is possible. Pipe length = 263'

Option #2: Relocate Structure A289 South of Existing FM. Route storm pipe underneath proposed permanent VSR to outfall via MES to Tradeport Ditch. Requires invert of FO conduit to confirm suitability of this option. Pipe length = 86', and new MES required.

Option #3 : Relocate Structure A289 South of the existing FM. Realign pipe to run parallel to FM and avoid both FO and DM completely. Pipe will connect to a MH and route pipe at a 45 degree bend to the existing structure A-274. Pipe length = 285' Pipe slope = 0.32%



NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

NOTES

1. ALL AREAS DISTURBED AS PART OF P-152 EXCAVATION, SUBGRADE, AND EMBANKMENT ARE SUBJECT TO T-904 SODDING AND T-905 TOPSOILING AT THE DIRECTION OF OAR.
2. EXISTING UNDERGROUND UTILITIES AND FAA FACILITIES INFORMATION SHOWN ON THE PLANS WAS COMPILED BASED ON THE BEST AVAILABLE RECORDS. EXISTING UTILITIES MAY NOT BE DEPICTED COMPLETELY OR ACCURATELY ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR PROTECTING ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO A CONDITION EQUAL TO THAT OF EXISTING AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL VERIFY AND MATCH EXISTING ELEVATIONS WHERE APPLICABLE AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
4. DESIGN CONTOURS REPRESENT FINISHED GRADE. CONTOURS GRADES AND SLOPES SHOWN AS SUPPLEMENTAL INFORMATION ONLY.
5. AIRPORT SECURITY AND PERIMETER FENCE INTEGRITY SHALL BE MAINTAINED AT ALL TIMES.
6. STATION AND OFFSET INFORMATION REFERENCE TAXILANE E1 CENTERLINE.
7. REFER TO GEOMETRIC LAYOUT AND PAVING PLANS (SERIES C6).
8. REFER TO DRAINAGE PLANS (SERIES C15).
9. REFER TO UTILITY PLANS (SERIES C30).
10. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS, DEPTHS, AND SIZES PRIOR TO ORDERING MATERIALS.
11. ALL GRADING WITHIN THE GROUND SUPPORT (GSE) FACILITY NOTED ON THESE PLANS SHALL BE INCLUDED IN THE BP-S196 BASE BID. REFER TO ADD ALTERNATIVE 8 (VOLUME 2) FOR ADDITIONAL GRADING EXTENTS
12. SEE SECTION E-E ON SHEET C12.01.10 FOR EAST TO WEST VIEW OF TYPICAL APRON SECTION.

LEGEND

85.14	PROPOSED SPOT ELEVATION
82	EXISTING CONTOUR
82	PROPOSED CONTOUR
	PROPOSED ADA FENCE (SEE SHEET C6.01.02)
	PROPOSED FLOW LINE
	PROPOSED GRADE BREAK
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
	EXISTING STORM SEWER
	PROPOSED STORM SEWER (SEE SHEETS C15.01.20 TO C15.01.31)
WM	PROPOSED WATER MAIN (SEE SHEET C30.01.21
	PROPOSED SANITARY SEWER (SEE SHEET C30.01.01)
E	PROPOSED ELECTRIC DUCT BANK (SEE AIRFIELD ELECTRICAL PLANS)
UE	PROPOSED ELECTRIC (SEE AIRFIELD ELECTRICAL PLANS)
FL	PROPOSED FUELLING (SEE AIRFIELD FUELING SYSTEM PLANS)
CHWM	PROPOSED CHILLED WATER MAIN (SEE AIRSIDE CONCOURSE MEP PLANS)

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811 Know what's below. Call before you dig.
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GREATER ORLANDO AVIATION AUTHORITY

BP-S196
TERM C
PH 1X

VOLUME I
AIRFIELD CIVIL, APRON & TAXIWAY PAVING

ORLANDO INTERNATIONAL AIRPORT

HNTB
HNTB Corporation
610 Crescent Executive Court, Suite 400
Lake Mary, FL 32746
FBPE Lic: CA8500 FBAD Lic: AA0002318

Kimley»Horn
Kimley-Horn and Associates, Inc.
200 South Orange Avenue, Suite 600
Orlando, FL 32801
FBPE Lic: 35106

AVCON
AVCON Inc.
5555 E. Michigan St., Suite 200
Orlando, FL 32822
FBPE Lic: CA5057

TYLin
T.Y. Lin International
225 E. Robinson St., Suite 400
Orlando, FL 32801
FBPE Lic: CA2017

State of Florida Seal

Name: ADAM R. JOHNSON
License/Registration #: FL PE 81757

Revisions

No.	Date	Description
1	5/17/2024	CONFORMED DRAWING - ISSUED FOR CONSTRUCTION
2	5/31/2024	ADDENDUM #5

Key Plan

Project No.:	61581
Designed By:	ARJ
Drawn By:	ANS
Checked By:	SBC
Issue Date:	11/01/2022
Drawing Scale:	AS SHOWN

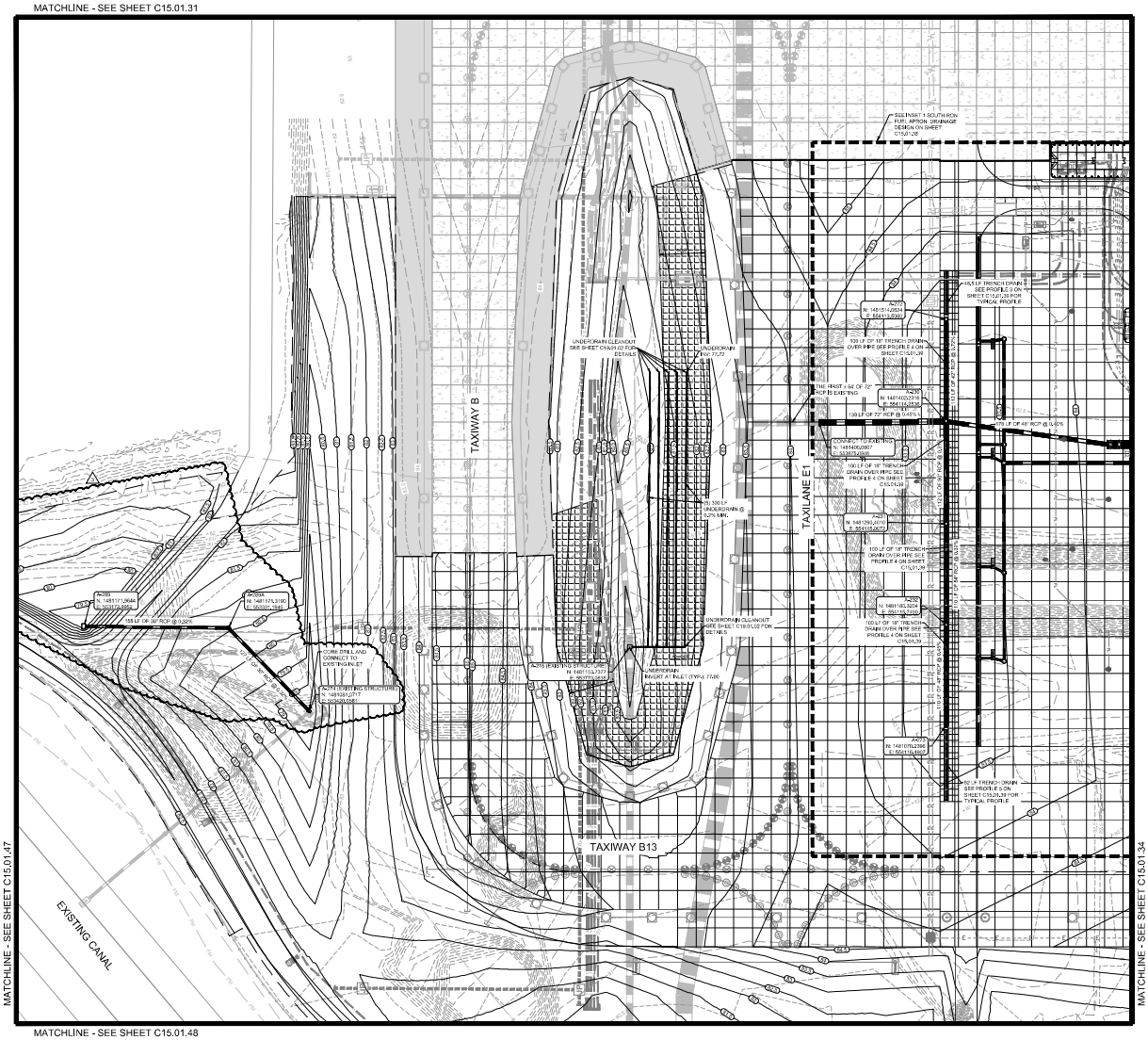
Drawing Title:

GRADING PLAN

Drawing No.

C12.01.08

Date: May 31, 2024 - Time: 10:16 am - File Name By: Melissa Brown
Z:\Projects\Orlando\Orlando International Airport\BP-S196 Term C Ph 1X\Design\Civil\Sheets\C12.01.08.dwg



NOTES

1. EXISTING UNDERGROUND UTILITIES AND FAA FACILITIES INFORMATION SHOWN ON THIS PLANS ARE COMPILED BASED ON THE BEST AVAILABLE DATA. THE EXACT LOCATIONS MAY NOT BE DEPICTED COMPLETELY OR ACCURATELY ON THE PLANS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO A CONDITION EQUAL TO THAT OF EXISTING AT THE CONTRACTOR'S EXPENSE.
2. DESIGN CONTOURS REPRESENT FINISHED GRADE. CONTOURS, GRADES AND SLOPES SHOWN AS SUPPLEMENTAL INFORMATION ONLY.
3. AIRPORT SECURITY AND PERIMETER FENCE INTEGRITY SHALL BE MAINTAINED AT ALL TIMES.
4. SEE STRUCTURE TABLES ON SHEET C15.01.26
5. ALL STORM PIPE TO BE CLASS V RCP UNLESS OTHERWISE NOTED.
6. ALL UNDERDRAINS TO BE TYPE 1 6" SMOOTH PERFORATED HDPE AND CONFORM TO FDOT STANDARD INDEX 286 UNLESS OTHERWISE NOTED.
7. REFER TO ATC STRUCTURAL PLANS FOR DRAINAGE STRUCTURE DETAILS AND SPECIFICATIONS.
8. COORDINATE LOCATION OF MANHOLE RISERS WITH PAVEMENT JOINT LAYOUT (SHEETS C14.01-C14.01.14 TO MINIMIZE IMPACTS TO JOINTS).
9. CONTRACTOR SHALL FIELD COORDINATE THE LOCATIONS OF THE RISERS INTO THE PAVEMENT JOINTS TO ENSURE A MINIMUM OF THREE (3) FEET CLEARANCE BETWEEN THE JOINT AND PAVEMENT PENETRATION IN ALL DIRECTIONS BEFORE INSTALLATION OF THE STRUCTURES. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION BEFORE INSTALLATION OF THE STRUCTURE.
10. CONTRACTOR SHALL SET THE RIM ELEVATION OF THE STRUCTURAL RISER TO MATCH THE FINISH GRADE OF THE PAVEMENT.
11. ALL NORTHINGS AND EASTINGS SHOWN REPRESENT THE CENTERPOINT OF INTERSECTING TYPES.
12. ALL UNDERGROUND ELECTRIC TO HAVE MINIMUM 2 FEET OF CLEARANCE FROM DRAINAGE. SEE AFC ELECTRIC PLANS FOR DETAILS.
13. ALL PVC TO BE SDR 26 UNLESS OTHERWISE NOTED.
14. PLASTIC EROSION MATS SHALL BE SECURELY ANCHORED AT THE TOP OF SLOPE, TOE OF SLOPE, AND ALL OVERLAPS AT 12" O.C. MINIMUM. ALL OTHER LOCATIONS SHALL BE SECURELY ANCHORED PER THE MANUFACTURER'S REQUIREMENTS. ALL ANCHORS SHALL BE BIODEGRADABLE AND A MINIMUM OF 24"IN LENGTH. LOVERS IS REQUIRED BY THE MANUFACTURER, TOE IN ALL PERIMETER EDGES OF PLASTIC EROSION MATS TO A DEPTH OF 3" MINIMUM. SOD SHALL BE INSTALLED ON TOP OF ALL EROSION MATS AND CONFORM TO THE MANUFACTURERS INSTALLATION REQUIREMENTS.

LEGEND

- BUILDING FOOTPRINT
- TYPE 3 PLASTIC EROSION MAT (SEE FDOT SPECIFICATION 975)
- CONCRETE
- FABRIC-FORMED CONCRETE (SEE FDOT SPECIFICATION 524)
- EXISTING WETLANDS
- PROPOSED SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED TRENCH DRAIN
- PROPOSED UNDERDRAIN
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE
- PROPOSED STORM CLEANOUT (SEE SHEET C15.01.01 TO C15.01.26 FOR TYPICAL DETAILS)
- PROPOSED WATER MAIN (SEE SHEETS C15.01.01 TO C15.01.26)
- PROPOSED SANITARY SEWER (SEE SHEETS C15.01.01 TO C15.01.26)
- PROPOSED ELECTRIC DUCT BANK (SEE AIRFIELD ELECTRICAL PLANS)
- PROPOSED ELECTRIC (SEE AIRFIELD ELECTRICAL PLANS)
- PROPOSED FUEL LINE (SEE AIRFIELD FUELING SYSTEM PLANS)
- PROPOSED CHILLED WATER MAIN (SEE AIRSIDE CONCOURSE MEP PLANS)
- UTILITY CROSSING (SEE SHEET C15.01.37 FOR CROSSING TABLE)

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IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

GREATER ORLANDO AVIATION AUTHORITY

BP-S196
TERM C
PH 1X

VOLUME I
AIRFIELD CIVIL, APRON & TAXIWAY PAVING

ORLANDO INTERNATIONAL AIRPORT

HNTB
HNTB Corporation
610 Crescent Executive Court, Suite 400
Lake Mary, FL 32746
FBPE Lic: CA8500 FBAO Lic: AA0002318

Kimley»Horn
Kimley-Horn and Associates, Inc.
200 South Orange Avenue, Suite 600
Orlando, FL 32801
FBPE Lic: 35106

AVCON
AVCON Inc.
5555 E. Michigan St., Suite 200
Orlando, FL 32822
FBPE Lic: CA5057

TYLin
T.Y. Lin International
225 E. Robinson St., Suite 400
Orlando, FL 32801
FBPE Lic: CA2017

State of Florida Seal

Name: BRIAN S. ASHBY
License/Registration # 81105

Revisions

No.	Date	Description
1	10/05/2023	ADDENDUM #04
2	01/12/2024	CONFORMED DRAWING
		ISSUED FOR CONSTRUCTION
3	5/31/2024	ADDITION #04

Key Plan

Project No.:	61581
Designed By:	ARJ
Drawn By:	ANS
Checked By:	SBC
Issue Date:	11/01/2022
Drawing Scale:	AS SHOWN

Drawing Title:

DRAINAGE PLAN

Drawing No.

C15.01.33

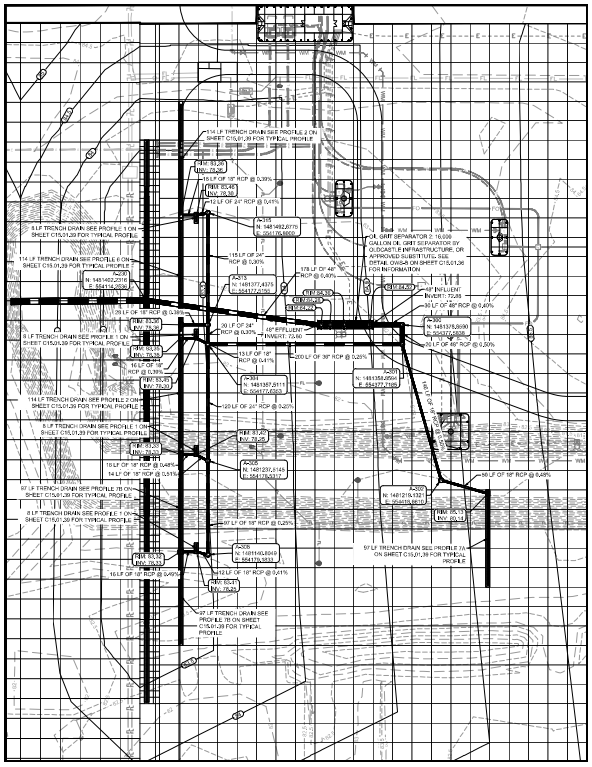
Date: May 31, 2024 | Time: 9:56 am | Made By: Jacqueline
Z:\Projects\Orlando\MCO\Airfield\Design\CONSTRUCTION\C15.01.33.dwg

BASE BID STRUCTURES

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
A-280 (EXISTING STRUCTURE)	USF 8835 RING AND GY COVER N. INV IN: 74.21 (24" RCP) (EXISTING) S. INV OUT: 73.96 (54" RCP) (EXISTING) RIM: 83.25
A-281 (EXISTING STRUCTURE)	USF 8835 RING AND GY COVER RIM: 83.71 S INV IN: 74.20 (30" RCP) (EXISTING) N INV OUT: 73.20 (72" RCP) (EXISTING) INV IN: 73.70 (W)
A-205	TYPE P-8 (SAG) INLET RIM: 79.50 INV IN: 74.43 (48") (N) INV IN: 74.43 (36") (W) INV OUT: 73.62 (60") (E)
A-206	USF 8835 RING AND GY COVER RIM: 87.47 INV IN: 76.23 (36") (N) INV IN: 76.77 (18") (E) INV OUT: 76.73 (48") (S)
A-207	USF 8835 RING AND GY COVER RIM: 87.46 INV IN: 76.83 (36") (N) INV IN: 76.91 (18") (E) INV OUT: 76.83 (36") (S)
A-208	USF 8835 RING AND GY COVER RIM: 87.49 INV IN: 77.44 (36") (N) INV IN: 81.44 (18") (E) INV OUT: 77.44 (36") (S)
A-209	USF 8835 RING AND GY COVER RIM: 87.42 INV IN: 78.25 (36") (N) INV IN: 83.92 (18") (E) INV OUT: 77.75 (48") (S)
A-210	USF 8835 RING AND GY COVER RIM: 87.69 INV IN: 78.65 (36") (N) INV IN: 83.39 (18") (E) INV OUT: 78.65 (30") (S)
A-211	USF 8835 RING AND GY COVER RIM: 87.73 INV IN: 79.24 (36") (N) INV IN: 83.03 (18") (E) INV OUT: 79.24 (30") (S)
A-212	USF 8835 RING AND GY COVER RIM: 87.25 INV IN: 80.14 (24") (N) INV IN: 82.65 (18") (E) INV OUT: 79.64 (30") (S)
A-213	USF 8835 RING AND GY COVER RIM: 87.20 INV IN: 82.05 (18") (E) INV OUT: 84.53 (24") (S)
A-216 (EXISTING STRUCTURE)	USF 8835 RING AND GY COVER N. INV IN: 80.49 (72" RCP) (EXISTING) S. INV OUT: 80.49 (84" RCP) (EXISTING) RIM: 87.50 INV IN: 77.00 (87") (S)
A-230	USF 5151 FRAME AND 6511 GRATE RIM: 83.10 INV IN: 76.78 (42") (N) INV IN: 76.78 (90") (S) INV IN: 74.69 (48") (E) INV OUT: 74.69 (72") (W)
A-231	USF 5151 FRAME AND 6511 GRATE RIM: 83.10 INV IN: 76.13 (54") (S) INV OUT: 76.13 (60") (N)
A-232	USF 5151 FRAME AND 6511 GRATE RIM: 83.10 INV IN: 76.49 (48") (S) INV OUT: 76.43 (54") (N)
A-263	TYPE P-8 (SAG) INLET RIM: 79.00 INV OUT: 78.00 (30") (E)
A-272	USF 5151 FRAME AND 6511 GRATE RIM: 83.1 INV OUT: 78.59 (48") (S)
A-273	USF 5151 FRAME AND 6511 GRATE RIM: 83.10 INV OUT: 78.09 (48") (N)
A-274 (EXISTING STRUCTURE)	USF 5151 FRAME AND 6511 GRATE RIM: 83.66 INV IN: 77.66 (54") (NW) INV OUT: 77.66 (54") (SE)
A-289	TYPE "D" INLET (SAG) W/ FDOT INDEX 4200 & 4232 RIM: 79.00 INV OUT: 73.87 (30") (E)
A-289A	USF 8835 RING AND GY COVER RIM: 79.26 INV IN: 73.36 (30") (W) INV OUT: 73.36 (30") (SE)
A-300	USF 8835 RING AND GY COVER RIM: 84.70 INV IN: 79.00 (48") (S) INV OUT: 79.00 (48") (W)
A-301	USF 8835 RING AND GY COVER RIM: 84.20 INV IN: 78.60 (36") (W) INV IN: 78.16 (18") (S) INV OUT: 78.10 (48") (N)
A-302	USF 8835 RING AND GY COVER RIM: 84.66 INV IN: 78.89 (18") (E) INV OUT: 78.89 (18") (N)
A-304	USF 8835 RING AND GY COVER RIM: 83.22 INV IN: 77.82 (24") (N) INV IN: 77.49 (24") (S) INV IN: 78.25 (18") (NW) INV OUT: 76.20 (36") (E)
A-305	USF 8835 RING AND GY COVER RIM: 83.49 INV IN: 78.18 (18") (NW) INV IN: 77.95 (18") (S) INV OUT: 77.85 (24") (W)
A-306	USF 8835 RING AND GY COVER RIM: 83.48 INV IN: 78.20 (18") (W) INV OUT: 78.20 (18") (N)
A-313	USF 8835 RING AND GY COVER RIM: 84.20 INV IN: 77.95 (24") (N) INV IN: 78.25 (18") (W) INV OUT: 77.85 (24") (S)
A-315	USF 8835 RING AND GY COVER RIM: 84.20 INV IN: 78.25 (24") (W) INV OUT: 78.23 (24") (S)

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
A-20	TYPE P-8B (SAG) INLET RIM: 79.26 INV OUT: 73.20 (18") (SW) (EXISTING 18" RCP)

SEE SHEET C15.A1.02
FOR ALT I STRUCTURES



INSET 1
SOUTH RON FUEL APARTON

GREATER ORLANDO AVIATION AUTHORITY

BP-S196
TERM C
PH 1X

VOLUME I
AIRFIELD CIVIL, APRON & TAXIWAY PAVING

ORLANDO INTERNATIONAL AIRPORT

HNTB
HNTB Corporation
610 Crescent Executive Court, Suite 400
Lake Mary, FL 32746
FBPE Lic: **CA8500** FBAD Lic: **AA0002318**

Kimley»Horn
Kimley-Horn and Associates, Inc.
200 South Orange Avenue, Suite 600
Orlando, FL 32801
FBPE Lic: **35106**

AVCON
AVCON Inc.
5555 E. Michigan St., Suite 200
Orlando, FL 32822
FBPE Lic: **CA5057**

TYLin
T.Y. Lin International
225 E. Robinson St., Suite 400
Orlando, FL 32801
FBPE Lic: **CA2017**

State of Florida Seal

Name: BRIAN S. ASHBY
License/Registration # FL PE 68436

Revisions

No.	Date	Description
1	10/05/2022	ADDENDUM #04
2	10/12/2022	CONFORMED DRAWING
		ISSUED FOR CONSTRUCTION
3	5/31/2024	ALT I SHEETS

Key Plan

Project No.:	61581
Designed By:	ARJ
Drawn By:	ANS
Checked By:	SBC
Issue Date:	11/01/2022
Drawing Scale:	AS SHOWN

Drawing Title:
DRAINAGE PLAN & STRUCTURE TABLES

Drawing No.
C15.01.35

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FL, INC. (811)

Date: Wed, 31, 2024 - 7:17pm 9:28 am - Name: BY: Name=Brian S. Ashby
Drawing: P:\Projects\61581 - Orlando International Airport\Design\CAD\Civil\Drainage\Plan Sheets\C15.01.35.dwg

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	AMOUNT $ (92,054.82)	Extension Of Time (Subst.): 0 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	E-280 West Airfield Electrical Upgrades	DATE: 6/18/2024
CONTRACTOR:	H.L. Pruitt Corporation	
A/E:	AVCON, Inc.	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1 Provide unit price and quantity adjustments to the following pay items:

a. Base contract, line item 6 – Increase pay item L-108-1 '*1/c L-824 Type C Unshielded #8 AWG 5 KV Stranded Coper Cable, Installed in Duct or Conduit*' by 19,010 LF at the contract unit price of $2.00 per LF from 57,000 LF to 76,010 LF. **Add $38,020.00**

b. Base contract, line item 12 – Pay item L-109-1 A*irfield Lighting Control System Modifications: Contractor System Modifications: Vendor Allowance*. Utilize allowance to pay for ADB Safegate material and labor. **Add $22,743.72**

- Allowance reduction - Reduce allowance by $22,743.72 from $35,000.00 to $12,256.28. **Deduct $(22,743.72)**
- Credit the unused balance of the allowance by $12,256.28 from $12,256.28 to $0.00 back to the contract. **Deduct $(12,256.28)**

c. Additive Alternate 1, Line Item 7 – Pay item L-109-1 *Airfield Lighting Control System Modifications Vendor Allowance.* Utilize allowance to pay for ADB Safegate material and labor. **Add $10,042.78**

- Allowance reduction - Reduce allowance by $10,042.78 from $35,000.00 to $24,957.22. **Deduct $(10,042.78)**
- Credit the unused balance of the allowance by $24,957.00 from $24,957.00 to $0.00 back to the contract. **Deduct $(24,957.22)**

d. Additive Alternate 1, line item 11 – Increase pay item L-109-5 '*Standby Power Generator*' by $7,977.72 from the Lump Sum price of $650,000.00 to the Lump Sum price of $657,977.72 per Engineers Supplemental Instruction (ESI) #01 Load Bank Modifications. **Add $7,977.72**

e. Additive Alternate 1, line item 12 – Change pay item name from L-109-3 to L109-6, no cost. **Add $0.00**

f. Additive Alternate 1, line item 12 – Pay item L-109-6 *RusselElectric Switchgear Modifications Allowance*. Provide materials for RussleElectric Switchgear per Contractors Quote dated May 15, 2024. **Add $76,829.85**

- Allowance reduction - Reduce allowance by $76,829.85 from $130,000.00 to $53,170.15. Remaining balance to be utilized during installation. **Deduct $(76,829.85)**

g. Additive Alternate 3, line item 6 - Decrease pay item L-108-1 '*1/c L-824 Type C Unshielded #8 AWG 5 KV Stranded Coper Cable, Installed in Duct or Conduit*' 8,726 LF at the contract unit price of $2.00 LF by from 65,000 LF to 56,274 LF. **Deduct $(17,452.00)**

CC
ITEM III-C
6/18/2024

h. Additive Alternate 3, line item 7 - Pay item L-109-1 *Airfield Lighting Control System modification: Vendor Allowance.* Utilize allowance to pay for ADB Safegate material and labor. **Add $9,013.20**

- Allowance reduction - Reduce allowance by $9,013.20 from $35,000.00 to $25,986.80. **Deduct $(9,013.20)**
- Credit the unused balance of the allowance by $25,986.61 from $25,986.61 to $0.00 back to the contract. **Deduct $(25,986.80)**

i. Additive Alternate 3, line item 12 – Decrease pay item L-110-2 '*One way 4" split duct'* by 50 LF at the contract unit price of $30.00 per LF from 50 LF to 0 LF. **Deduct $(1,500.00)**

j. Additive Alternate 3, line item 13 – Increase pay item L-125-1 *'L-852 C L Bidirectional Green LED Taxiway Centerline Light (NE) Centerline Light (NE)* by 3 EA at the contract unit price of $1,900.00 EA from 23 EA to 26 EA. **ADD $5,700.00**

k. Additive Alternate 3, Add new line item 17, pay item L-125-3 *'L-852T(L) Omnidirectional Blue or Red, LED Semiflush, Taxiway Edge Light (NE)'* by 3 EA at the contract unit price of $1,400.00 per ESI-01. **Add $4,200.00**

l. Additive Alternate 4, line item 5 – Decrease pay item L-109-10 *'2 Pack 3" 3-cell Fabric Inner-duct Maxcell Contingency'* by 1,320 LF at the contract unit price of $3.75 per LF from 5,000 LF to 3,680 LF. **Deduct ($4,950.00)**

m. Additive Alternate 4, line item 6 – Decrease pay item L-109-11 *FO1, 12 Strand, Single Mode, OSP Fiber Optic Cable* by 1,155 LF at the contract unit price of $7.50 per LF from 20,000 LF to 18,845 LF. **Deduct ($8,662.50)**

n. Additive Alternate 4, line item 8 – Pay item L-109-13 *F01 ADB Safegate Testing Allowance.* Utilize allowance to pay for ADB Safegate material and labor. **Add $15,293.39**

- Allowance reduction - Reduce allowance by $15,293.39 from $25,000.00 to $9,706.61. **Deduct $(15,293.39)**
- Credit the unused balance of the allowance by $9,706.61 from $9,706.61 to $0.00 back to the contract. **Deduct $(9,706.61)**

o. Additive Alternate 6, Line item 6 – Decrease pay item L-108-1 '1/c *L-824 Type C Unshielded #8 AWG 5 KV Stranded Coper Cable, Installed in Duct or Conduit'* by 7,518 LF at the contract unit price of $2.00 LF from 35,000 LF to 27,482 LF. **Deduct $(15,036.00)**

p. Additive Alternate 6, Line item 7 – Decrease pay item L-108-2 *1/C #2 AWG Solid Copper Counterpoise Cable, Installed over Duct or Conduit* by 40 LF at the contract unit price of $2.60 LF from 40 LF to 0 LF. **Deduct $(104.00)**

q. Additive Alternate 6, Line item 8 – Decrease pay item L-108-3 *¾" Diameter by 10' Long Copper Clad Steel Sectional Ground Rod* by 20 EA at the contract unit price of $150.00 EA from 20 EA to 0 EA. **Deduct $(3,000.00)**

r. Additive Alternate 6, Line item 9 – Pay item L-109-1 *Airfield Lighting Control System Modifications: Vendor Allowance.* Utilize allowance to pay for ADB Safegate material and labor. **Add $ $4,258.87**

- Allowance reduction - Reduce allowance by $4,258.87 from $35,000.00 to $30,741.13. **Deduct $ (4,258.87)**
- Credit the unused balance of the allowance by $30,741.13 from $30,741.87 to $0.00 back to the contract. **Deduct $(30,741.13)**

s. Additive Alternate 6, Line item 12 – Decrease pay item L-110-1 *One Way 2: Schedule 40 PVC Concrete Encased Duct* by 40 LF at the contract unit price of 25.00 per LF from 40 LF to 0 LF. **Deduct $(1,000.00)**

t. Additive Alternate 6, Line item 13 – Decrease pay item L-110-2 *One Way 4" Split Duct* by 50 LF at the contract unit price of $30.00 LF from 50 LF to 0 LF. **Deduct $(1,500.00)**

u. Additive Alternate 6, Line item 14 – Increase pay item L-125-3 *L-852T(L) Omnidirectional Blue or Red, LED Semiflush, Taxiway Edge Light (NE)* by 5 EA at the contract unit price of $1,400.00 EA from 3 EA to 8 EA. **Add $7,000.00**

v. Additive Alternate 6, Line item 15 – Decrease pay item L-125-6 *L-858(L) Sign- Single/Double Face, LED, Size 2-3 Module, Installed on New Pad* by 2 EA at the contract unit price $8,800.00 EA from 2 EA to 0 EA. **Deduct $(17,600.00)**

w. Additive Alternate 6, Line item 16 – Increase pay item *L-858(L) Sign- Single/Double Face, LED, Size 2-3 Module, Installed on Existing Pad* by 3 EA at the contract unit price of $6,500.00 EA from 6 EA to 9 EA. **Add $ 19,500.00**

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

REASON FOR CHANGE:

Quantity Adjustment: Items # 1a, d, e, g, l, j, k, l, m, o, p, q, s, t, u, v, and w, are unit price adjustments for overruns and under runs.

Owner Requested: Item #1d During submittal stage, it was requested by GOAA Electrical that the load bank not be mounted on the generator as designed but be mounted separate from the generator and on a pedestal for ease of maintenance. Cost includes added cost to move load bank to a pedestal of $24,657.00 and the credit of base bid of $17,405.00.

Owner Requested: Item #1e, a typo exists on the pay application.

Allowance Reconciliation: Items #1b, c, h, n, and r, are allowance reductions and the unused balance of the allowances are being returned back to the project budget.

Allowance Reduction: Item #1f, is utilization of the allowance for Russel Electric gear, the remaining balance will be utilized for when the equipment is on site.

SOURCE OF FUNDS: Previously Approved Capital Expenditure Funds

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

EXPLAIN:

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

Contractor's Original RCO Submission	$	**(92,054.82)**	
GOAA/OAR Estimate	$	**(92,054.82)**	
(a) Change Contract Amount By			**$ (92,054.82)**
(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)			**$ (92,054.82)**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions		$ 0.00
	Errors		$ 0.00

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

PREPARED BY: Don Corthell, PSA Management, Inc	PHONE: X1535

*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	6/03/2024	6/11/2024	ZTG	Melvin Martinez

ii

H.L. Pruitt Corporation

501 WADE STREET• WINTER SPRINGS, FLORIDA• 32708

May 15, 2024

Attn: Mr. Don Corthell

Re: OIA Project E-00280, West Airfield Electrical Upgrades
Subject: ADB Allowance Items

Mr. Corthell

The following is H.L. Pruitt's breakdown of the Russelectric Allowance item included in the contract:
This is only a partial billing for the materials received to date.

	Invoice Amount	HLP 12%	Totals
Add Alternate #1 L-109-6, Russelectric Switchgear Modifications	$68,598.08	$8,231.77	$76,829.85

If any additional information is required please contact me

Respectfully

Scott Pride
Operations Manager

ADB SAFEGATE

ADB SAFEGA TE Americas LLC
700 Science Blvd
Gahanna,OH 43230

Tel:+ 1 (614) 8611304
Fax:+ 1 (614) 864 2069
DUNS:- 82-994-8392

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

Invoice 90141623 AB

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

Ship-To Party: **2001670**
H.L. PRUITT CORP
501 WADE STREET
WINTER SPRINGS FL 32708

Header Information
Document No: 90141623
Invoice Date: September 22, 2023
Ref Sales Order: 52850
Customer PO: 483 MCO
Airport Code: MCO-ORLANDO INTL
ADB Contact: Perry Suganuma

Delivery Number 80171951

Shipping Information
Terms of Payment: Net 30 days
Terms of Delivery: EXW - PLANT
Ship Via/Carrier: ADB Best Way/ C.H. Robinson
Tracking ID/PRO No: YBAVZKMVMMP8DK4

We gladly accept:
VISA, MASTERCARD

Pay Item	Contract Item	Inv. Item	SO Item	PartNo./Description	Order	Allowance	Material	Labor
		1		Base Bid Allowance Airfield_Lighting_Control_Vault_18L& 18R Material invoice____90141623 Line3 & Line 4 Labor_I voiced_on_90151540_compl e- - BID ITEM TOTAL	L-109-1	$35,000.00	15,201.77	7,532.95 **22,743.72**
		2		Additive_Alternate_#3_Allowancej.CE3 Material_Invoice__ 90139495_Line_1 Labor_Invoiced_on_90151540_complete BID ITEM TOTAL		$35,000.00	7,694.01	1,319.19 **9,013.20**
	L-109-13	3		Additive_Alternatve_#4_Allowance TWR Material_Invoice__ 90141623_Line_1_&_LIne 2 Labor_Invoiced_on_90151540_complete		$25,000.00	5,802.68	9,490.17 **15,293.39**
		4		Additive_Alternative_#6 Allowance Labor_Invoice_on_90151540_complete				4,258.87 **4,258.87**
		5		Additive Alternative #1 Allowance				10,042.78 **10,042.78**

Material Total	$28,707.46	
Labor Total		$32,644.49
Total Amount due (USD)		$ **61,351.95**

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

Invoice

A Siemens Business

Gust PO No	Gust PO Date	Quotation No	Invoice No	Date
483	05/25/2023		5609501295	04/26/2024
Sales Order No	**Sales Ord Date**	**Lock Box No**	**Customer No**	
3010166487	05/25/2023		30649044	Page 1 of 3

Bill To:	Sold To:	Ship To:
H L PRUITT CORP 501 WADE ST WINTER SPRINGS FL 32708-2653	H L PRUITT CORP 501 WAOE ST WINTER SPRINGS FL 32708-2653	H L PRUITT CORP Attn: Scott Pride 501 WAOE ST WINTER SPRINGS FL 32708-2653

Remit check payments to:	Remit Incoming Wires To:	Remit Incoming ACH's To:
Siemens Industry, Inc. PO Box 371-034 Pittsburgh PA 15251-7034	Citibank New York 111 Wall Street New York, NY 10043 USA ABA# 021000089 SWIFT Code:CITIUS33 Account# 30824166 Send Remittance Instructions To: ar.industry@siemens.com -OR- Fax To: 678-566-7915	Mellon Bank 500 Ross Street Pittsburgh, PA 15262 ABA# 043000261 SWIFT Code:IRVTUS3N Account# 0370968 Send Remittance Instructions To: ar.industry@siemens.com -OR- Fax To: 678-566-8915

Delivery#: Ship Date:

INCO Terms: Prepaid and Add

Line Item	Material Number/Description	U/M	Invoice Qty	Unit Price	Total Price
20000	20125-0-112324_20125-CONTROL UPGRADE ECCN: Customer PO item #: 020000 Designation: 20125-0-112324 20125-0-112324_20125-CONTROL UPGRADE Notes: GET YOUR INVOICES & CREDIT MEMOS FASTER - LOG ONTO INDUSTRY MALL, https://eb.automation.siemens.com/goos/WelcomePage.aspx?regionUrl= /us&language=en Total Price Contact: Russelectric A Siemens Company South Shore Park 99 Industrial Park Rd. Hingham MA 02043-4387 Phone: 781-749-6000 Fax: 781-749-4205	PC	1		64,668.00
	State Taxes				3,880.08
	County Taxes				50.00
	Tnt"l T"x				3,930.08
	Total Wt.: 0 LB		**Currency: USD**	**Invoice Total:**	68,598.08

Payment Terms: Net Due 30 Days

Net Due By: 05/26/2024

'These rems are cor,ade-i by the U.S. Government (when labele-i With ·Ec:CN" une<tual "N") ano authonieo for ekpOlt only o the country of ubmaxe cesuna:ion lOt use by the uC.Jmaxe consignee Of enc-uset(s) hereyn 'iGanlle-J . They may not be resole :ralSferrea. Of onerwise c,sposeo of. o any otlef eotumtryo, to any pen.on other than the authonmed ultimaceconnee o, eNH:15ef(S), either in their Q9Ana1 form or after being nconPOn.lteCl Inco other terms, wtholt tlrs1obtawng approval from the U.S Governmen: Of as o:herMseaulhonzeo by U.S law arCl regulauons Item5 labeleo with "AL" ufle(lual "N" are subiec: to Eurar, /ha.conal expon aulhonze-econ ITemsNIihout label. 'Olh Label'AL N" I"ECCN N" o, label "AL 9X9999" I "ECCN· 9X9999'may reaulre authoriZacon from respoo.5Ible authorr:iesoepencnn9 on the final end•uH Of the oestJhauon •

We hereby certify that these goods were produced in compliance with all the applicable requirements of Section 6, 7, and 12 of the Fair Labor Standards Act, as amended, and regulations and orders of the United States Department of Labor issued under Section 14, thereof.

ii

H.L. Pruitt Corporation

501 WADE STREET• WINTER SPRINGS, FLORIDA• 32708

January 19, 2024

Attn: Mr. Don Corthell

Re: OIA Project E-00280, West Airfield Electrical Upgrades
Subject: Revised Load bank Proposal

Mr. Corthell

Per your request the following is H.L. Pruitt's proposal to change from the enclosure mounted load bank to a freestanding base mounted load bank.

Revised Load bank: $7,977.72

If any additional information is required please contact me

Respectfully

Scott Pride
Operations Manager

Load bank Change							
Materials	qty		unit	extension			
Enclosure Mounted Load bank		1	$17,405.31	$17,405.31			
Freestanding Load bank		1	$24,657.78	$24,657.78			
Materials Difference subtotal				$7,252.47			
Materials Total				$7,252.47			
Labor	Reg hours		Reg rate		OT hours	OT Rate	
Working Foreman		0	$58.75	$0.00	0	$88.13	$0.00
Operator		0	$26.00	$0.00	0	$39.00	$0.00
Laborer (2men)		0	$19.00	$0.00	0	$28.50	$0.00
Labor Sub-Total				$0.00			$0.00
Labor Burden 42%				$0.00			
Labor Total				$0.00			
Subcontractor							
		0		$0.00			
Equipment							
1-ton Truck (2)		0	$25.43	$0.00			
Core Truck		0	$32.81	$0.00			
Auger Truck		0	$32.81	$0.00			
Rock Wheel Trencher		0	$78.75	$0.00			
Front End Loader		0	$82.50	$0.00			
Rubber Tire Backhoe		0	$26.25	$0.00			
Air Compressor		0	$11.97	$0.00			
Material Trailer		0	$3.13	$0.00			
Equipment Total				$0.00			
Subtotal:	$7,252.47						
10% Markup	$725.25						
Total:	$7,977.72						

VTRON
POWER SOLUTIONS

Address all Orders and Replies To:
Avtron Power Solutions, LLC.
6255 Halle Drive
Cleveland OH 44125
Phone No: (216) 573-7600
Email: loadbankcustomerservice@avtronpower.com

JOB NAME & QUOTATION No: OIA,1500 Model,275kW Load Bank - 221002678

#1	Model: 1500 - 1500 ENCLOSURE / ROOF MOUNTED RESISTIVE LOAD BANK
Quantity	1
Catalog Number	15000275HA31A10X,R2E
Load Bank Rating	275kW
GenSet Rating	350kW
Load Voltage	480 VAC, 3 PHASE
Frequency	60 Hz
NEMA Rating	The load bank is NEMA Type 3R construction, designed for installation and operation outdoors.
Operator Controls	Manual Toggle Switch Control Panel. Load selection is provided by individual industrial lever-type toggle switches for on/off application of load segments, one provided for each load step.
Control Power	An integral control power transformer is provided for control circuit operation.
Certification	UL/cUL
Packaged Weight	550.00 lbs (249.48 kg)
Price Each	$15,518.98
Warranty	Two year warranty
Start Up ZIP	Not Included
Lead Time	
Shipping Terms	US & Canada : FOB Shipping Point/ International : Ex-Works Shipping Point

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	R2E	Advanced Digital Monitoring System (ADMS). Digital metering that monitors volts, amps, frequency, and kilowatts. Automated data acquisition and real-time data logging software is provided.

Address all Orders and Replies To:
Avtron Power Solutions, LLC.
6255 Halle Drive
Cleveland OH 44125
Phone No: (216) 573-7600
Email: loadbankcustomerservice@avtronpower.com

JOB NAME & QUOTATION No: OIA,1500 Model,275kW Load Bank-221002678

Sub Total - Product Net Price (Excludes Shipping & Handling, Warranty)	$15,518.98
Shipping and Handling (Standard Ground) to Zip Code: 32708	$800
Extended Warranty:	Not Included
Total Net Price:	$16,318.98
Tax:	$1,086.33
Total:	$17,405.31

Notes:
Avtron Power Solutions, LLC reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current Covid-19 epidemic or events subsequent to this epidemic/pandemic including changes in laws, regulations, by laws or direction from a competent authority.
Attached Avtron Terms and Conditions of Sale apply. Avtron Quote T&Cs 3-29-23.pdf.
This quotation does not include applicable sales tax. If tax exempt, please provide a copy of your tax exemption certificate. Otherwise sales tax will be added.

VTRON
POWER SOLUTIONS

Address all Orders and Replies To:
Avtron Power Solutions, LLC.
6255 Halle Drive
Cleveland OH 44125
Phone No: (216) 573-7600
Email: loadbankcustomerservice@avtronpower.com

JOB NAME & QUOTATION No: H.L.Pruitt-4500 Model, 300kW - 221002225

#1	Model: 4500 - OUTDOOR RESISTIVE LOAD BANK
Quantity	1
Catalog Number	45000300HAB 1A 1CX, R1A, R2B
Load Bank Rating	300kW
Load Step Resolution	5kW
Load Voltage	480 VAC, 3 PHASE
Frequency	60 Hz
Cooling System	An integrally mounted blower motor with direct drive fan provides the necessary cooling air. The blower is factory wired to the load bus.
Operator Controls	Manual Toggle Switch Control Panel. Load selection is provided by individual industrial lever-type toggle switches for on/off application of load segments, one provided for each load step.
Control Power	An integral control power transformer is provided for control circuit operation.
Certification	UL/cUL
Packaged Weight	1200.00lbs (544.31 kg)
Dimensions	59 x 61 x 79 in (142 x 146 x 190 cm)
Notes	
Price Each	$22,128.76
Warranty	Two year warranty
Start Up ZIP	Not Included
Lead Time	
Shipping Terms	US & Canada : FOB Shipping Point/ International : Ex-Works Shipping Point

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	R1A	Control Panel Housed in a REMOTE NEMA 4 Type Enclosure (Remote replaces Standard Local Controls)
2	R2B	Advanced Digital Monitoring System (ADMS). Digital metering that monitors volts, amps, frequency, and kilowatts. Automated data acquisition and real-time data logging software is provided.

Address all Orders and Replies To:
Avtron Power Solutions, LLC.
6255 Halle Drive
Cleveland OH 44125
Phone No: (216) 573-7600
Email: loadbankcustomerservice@avtronpower.com

JOB NAME & QUOTATION No: H.L.Pruitt-4500 Model, 300kW - 221002225

Sub Total - Product Net Price (Excludes Shipping & Handling, Warranty)	$22,128.76
Shipping and Handling (Standard Ground) to Zip Code: 32708	$980.00
Extended Warranty:	Not Included
Total Net Price:	$23,108.76
Tax:	$1,549.02
Total:	$24,657.78

Notes:
Avtron Power Solutions, LLC reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current Covid-19 epidemic or events subsequent to this epidemic/pandemic including changes in laws, regulations, by laws or direction from a competent authority.
Attached Avtron Terms and Conditions of Sale apply. Avtron Quote T&Cs 3-29-23.pdf.
This quotation does not include applicable sales tax. If tax exempt, please provide a copy of your tax exemption certificate. Otherwise sales tax will be added.

H.L. Pruitt Corporation

501 WADE STREET• WINTER SPRINGS, FLORIDA• 32708

May 15, 2024

Attn: Mr. Don Corthell

Re: OIA Project E-00280, West Airfield Electrical Upgrades
Subject: ADB Allowance Items

Mr. Corthell

The following is H.L. Pruitt's breakdown of ADB Allowance items included in the contract:

	ADB Invoice Amount	HLP Markup 12%	Totals
Base Bid, L-109-1, ALCS Modifications	$22,743.72	$2,729.25	$25,472.97
Add Alternate #1 L-109-1, ALCS Modifications	$10,042.78	$1,205.13	$11,247.91
Add Alternate #3 L-109-1, ALCS Modifications	$9,013.20	$1,081.58	$10,094.78
Add Alternate #4 L-109-13, ADB Safegate Testing	$15,293.39	$1,835.21	$17,128.60
Add Alternate #6 L-109-1, ALCS Modifications	$4,258.87	$511.06	$4,769.93
			$68,714.20

If any additional information is required please contact me

Respectfully

Scott Pride
Operations Manager

Russelectric
A Siemens Business

Invoice

Gust PO No	Gust PO Date	Quotation No	Invoice No	Date
483	05/25/2023		5609501295	04/26/2024
Sales Order No	**Sales Ord Date**	**Lock Box No**	**Customer No**	
3010166487	05/25/2023		30649044	Page 1 of 3

Bill To:	Sold To:	Ship To:
H L PRUITT CORP 501 WADE ST WINTER SPRINGS FL 32708-2653	H L PRUITT CORP 501 WADE ST WINTER SPRINGS FL 32708-2653	H L PRUITT CORP Attn: Scott Pride 501 WADE ST WINTER SPRINGS FL 32708-2653

Remit check payments to:	Remit Incoming Wires To:	Remit Incoming ACH's To:
Siemens Industry, Inc. PO Box 371-034 Pittsburgh PA 15251-7034	Citibank New York 111 Wall Street New York, NY 10043 USA ABA# 021000089 SWIFT Code:CITIUS33 Account# 30824166 Send Remittance Instructions To: ar.industry@siemens.com -OR- Fax To: 678-566-7915	Mellon Bank 500 Ross Street Pittsburgh, PA 15262 ABA# 043000261 SWIFT Code:IRVTUS3N Account# 0370968 Send Remittance Instructions To: ar.industry@siemens.com -OR- Fax To: 678-566-8915

Delivery#: Ship Date:

INCO Terms: Prepaid and Add

Line Item	Material Number/Description	UM	Invoice Qty	Unit Price	Total Price
20000	20125-D-112324_20125-CONTROL UPGRADE ECCN: Customer PO item #: 020000 Designation: 20125-D-112324 20125-D-112324_20125-CONTROL UPGRADE Notes: GET YOUR INVOICES & CREDIT MEMOS FASTER - LOG ONTO INDUSTRY MALL, https://eb.automation.siemens.com/goos/WelcomePage.aspx?regionUrl= /us&language=en	PC	1		
	Total Price				64,668.00
	Contact: Russelectric A Siemens Company South Shore Park 99 Industrial Park Rd. Hingham MA 02043-4387 Phone: 781-749-6000 Fax: 781-749-4205				
	State Taxes				3,880.08
	County Taxes				50.00
	Tntal Tax				3,930.08
	Total Wt.: 0 LB		**Currency: USD**	**Invoice Total:**	68,598.08

Payment Terms: Net Due 30 Days

Net Due By: 05/26/2024

"These r;ems are olled by the U S Govemme,nt (whetilabeleo w;h "ECCN" uneoL.al"t. ") ano aulhonzeo for eiq,ononty to the coun:ry of 1.t:ima:eces'lna:ion lor use by :heul.lfflcl:e consignee or enc~user(s) here., 1Cen:lleo .They may not be resolo.transfelfeo. Of0:her"MSe 015.pcsec c! :o arr, o:her c.ountry Of to any person other than the au:hon:beo ul:ln'l.i:econs,gnee Of enc~user(s), either !n !heir or,ginall formot at:et bell[CJ IlfCOfporaleo lf:o olher ttems. Without lvs1ot1a1neng approval from the U S Government or as 0111erwi.se a1.:honzeo by U S law anc regula:ions Ilems labele~l with "AL" une=ual "I\ • are wblec; to European Ina export .w:honzacion Items WTJovl label Wdh laOel"AL t;" / "ECCN:N" or label "AL 9X99'99" / "ECCN: 9X9999"m.ay reQt.life authonu!JOn from responsible authorrties depeno,ng on :he final enc~t.1seor :he oest.lnation •

-We hereby certify that these goods were produced 'n compliance with all the apphcable requirements of Section 6, 7, and 12 of the Fair Labor Standards Act, as amended, and regulations and orders of the United States Department of Labor issued under Secllon 14, thereof:

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Airport Boulevard
Orlando, Florida 32827-4399

ENGINEER'S SUPPLEMENTAL INSTRUCTIONS

PROJECT NO: E-00280 **ENGINEER'S SUPPLEMENTAL INSTRUCTION NO: 1**

OWNER: GOAA **DATE OF ISSUANCE: 12/20/23**

CONTRACTOR: H.L. Pruitt **ENGINEER: AVCON, Inc.**

CONTRACT FOR: E-00280 West Airfield Electrical Upgrades

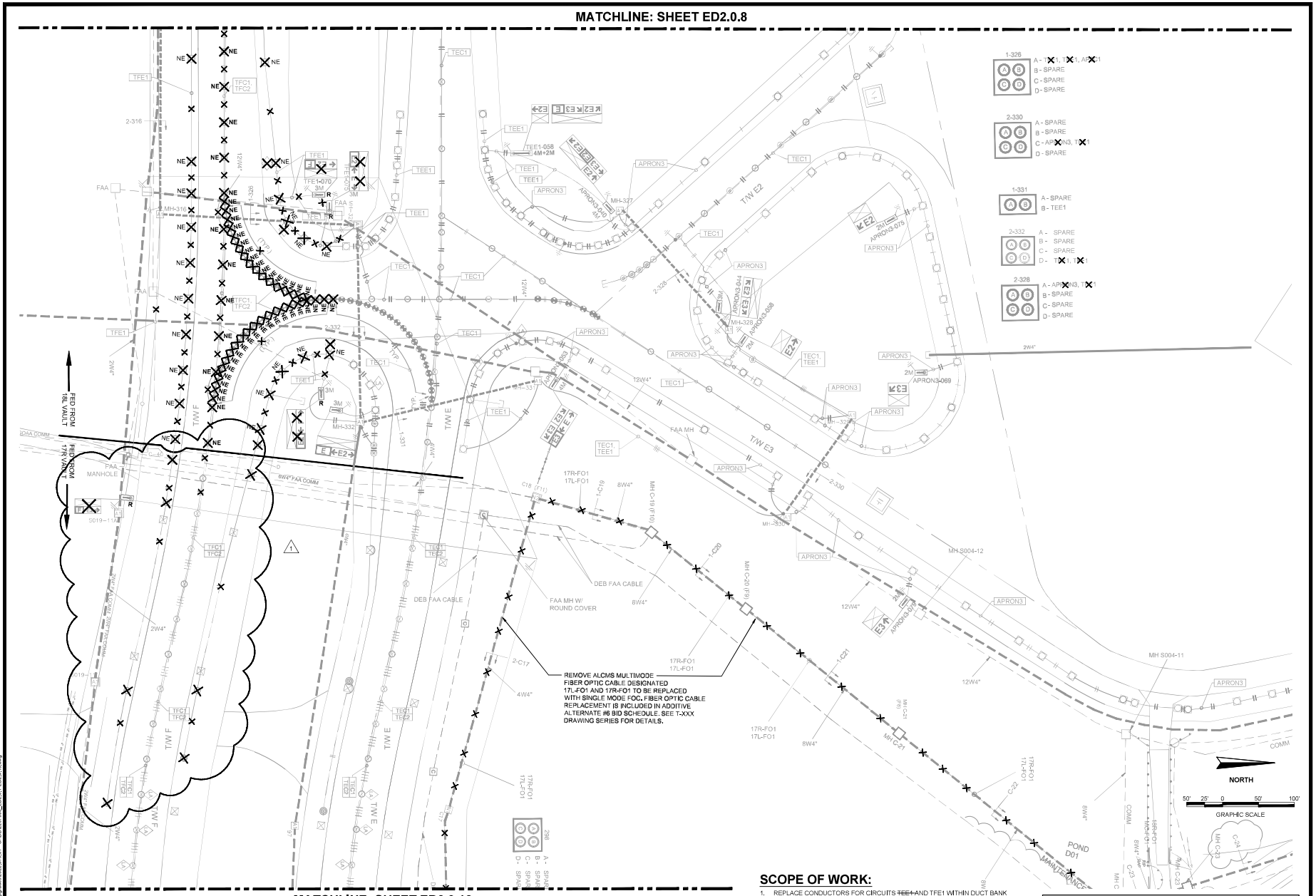
The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

Description:
Eight Red Semiflush Taxiway Edge Fixture and one sign have been added to the scope of work. The lights will be installed on existing base cans and the sign installed on existing concrete pad. The following plan sheets have been revised: ED2.0.9, ED2.0.12, E.2.1.9, E2.2.9, E2.2.12, and E7.0.4.

Attachments:
The following sheets have been revised and are attached to this ESI #1: ED2.0.9, ED2.0.12, E.2.1.9, E2.2.9, E2.2.12, and E7.0.4.

Issued by: Lee Nemer 12/20/2023
Lee Nemer, EI (AVCON) Date

Accepted by: _____
Date



NOTES:

1. SEE SHEET E1.0.1 FOR GENERAL NOTES, SHEET E1.0.2 FOR SYMBOL LEGEND, AND SHEET E1.0.3 FOR KEY PLAN.
2. ELECTRICAL DEMOLITION WORK SHALL BE LIMITED TO THE AREAS AND SCHEDULES IDENTIFIED IN THE PHASING PLANS AND THIS PLAN.
3. MAINTAIN EXISTING AIRFIELD LIGHTING CIRCUITS NECESSARY FOR AIRFIELD OPERATIONS.
4. PROTECT EXISTING SYSTEMS/COMPONENTS/ITEMS TO REMAIN.
5. DURING THE DEMOLITION PHASE AND PRIOR TO RECONSTRUCTION THE CONTRACTOR SHALL VERIFY THAT FUNCTIONAL RACEWAY EXISTS FROM BASE CAN TO BASE CAN, ETC TO CIRCUIT THE AIRFIELD LIGHTING AS SHOWN ON THE CIRCUITING PLANS. SHOULD ADDITIONAL RACEWAY NEED TO BE INSTALLED THE CONTRACTOR SHALL INSTALL THE RACEWAY. THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE OAR THAT FUNCTIONAL RACEWAY EXISTS AND IS PROPERLY ROUTED TO PROVIDE FOR CIRCUITING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. REMOVE EXISTING L-824 CONDUCTOR FROM EXISTING DUCT BETWEEN FIXTURES. PROTECT EXISTING CONDUIT AND COUNTERPOISE. NEW CABLE SHALL BE PROVIDED BETWEEN NEW FIXTURES. SEE SHEETS E2.2.1 TO E2.2.15 FOR CIRCUITING.
7. REMOVE EXISTING FIXTURES, BASE PLATES, SPACER RINGS AND TURN OVER TO OWNER. REMOVE THE EXISTING L-824 CABLES, SIGN PADS, L-830 TRANSFORMERS, ETC AS NOTED. ALL REMOVED CABLES, BASE CANS SIGN PADS, L-830 TRANSFORMERS, L-824 CABLES, ETC SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE AIRPORT PROPERTY. REMOVED ITEMS SHALL NOT BE REUSED IN THE NEW WORK.

SCOPE OF WORK:

1. REPLACE CONDUCTORS FOR CIRCUITS ~~TEE1~~ AND TFE1 WITHIN DUCT BANK SYSTEM AND FIXTURE RACEWAYS.
2. REPLACE TAXIWAY CENTERLINE FIXTURES ASSOCIATED WITH CIRCUITS TFC1, TFC2, ~~AND TEC1~~.
3. REPLACE TAXIWAY EDGE FIXTURES ASSOCIATED WITH CIRCUITS TFE1 ~~AND TEE1~~.
4. REPLACE AIRFIELD SIGNS ASSOCIATED WITH CIRCUITS TFE1 ~~AND TEE1~~.
5. REPLACE ALCMS MULTIMODE FIBER OPTIC CABLE WITH SINGLE MODE FOC FROM 17R VAULT TO ATCT.

BIDDING NOTES:

REMOVAL OF FIXTURES, CABLE, TRANSFORMERS, AND LIGHTNING ARRESTORS FOR CIRCUIT TFC1 AND TFC2 IS INCLUDED IN THE BASE BID SCHEDULE.

REMOVAL OF FIXTURES, SIGNS, SIGN PADS, CABLE, TRANSFORMERS, AND LIGHTNING ARRESTORS FOR CIRCUITS ~~TEC1~~ AND TEE1 IS INCLUDED IN THE ADDITIVE ALTERNATE #2 BID SCHEDULE. **N.I.C.**

ALCMS FIBER OPTIC CABLE REPLACEMENT WORK IS INCLUDED IN ADDITIVE ALTERNATE #4 BID SCHEDULE.

REMOVAL OF FIXTURES, SIGNS, SIGN PADS, CABLE, TRANSFORMERS, AND LIGHTNING ARRESTORS FOR CIRCUIT TFE1 IS INCLUDED IN THE ADDITIVE ALTERNATE #6 BID SCHEDULE.

GREATER ORLANDO AVIATION AUTHORITY

MCO-E-00280

WEST AIRFIELD ELECTRICAL UPGRADES

INTERNATIONAL

AVCON, INC.
ENGINEERS & PLANNERS
5555 E. MICHIGAN ST., SUITE 200 ORLANDO, FL 32822-3778
OFFICE: (407) 599-1122 FAX: (407) 599-1133
CORPORATE CERTIFICATE OF AUTHORIZATION NUMBER: 3107
www.avcon.com

Revisions

No.	Date	Description
1	12/20/2023	ESI #1

Key Plan

Project No.:	2022.070.01
Designed By:	L.W.N.
Drawn By:	L.W.N.
Checked By:	M.A.G.
Issue Date:	06/14/2023
Drawing Scale:	AS NOTED

Drawing Title:

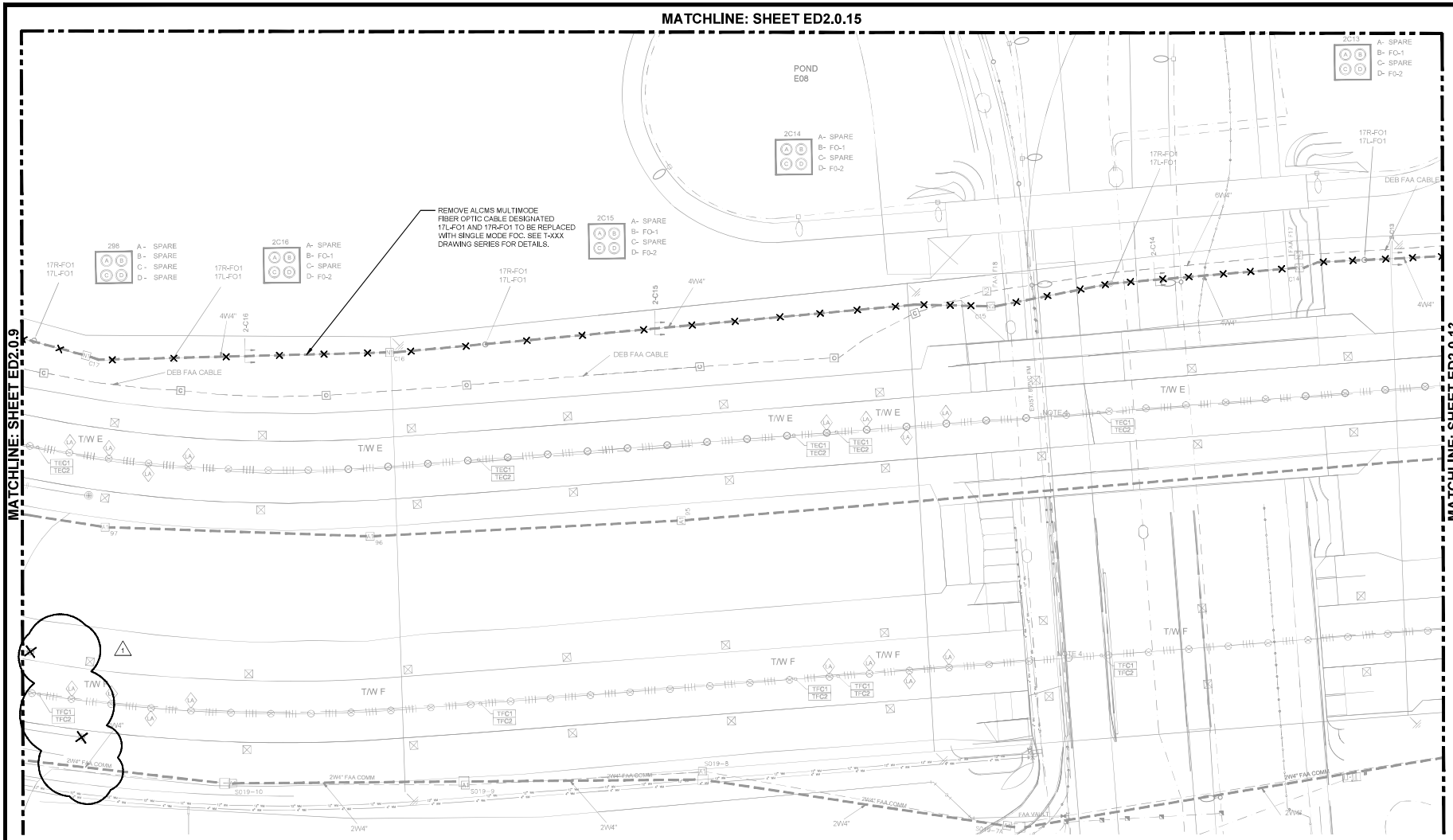
EXISTING CONDITIONS AND DEMOLITION PLAN (SHEET 9 OF 15)

CONFORMED DOCUMENTS

Drawing No.

ED2.0.9

Date: Dec 20, 2023 - Time: 4:48 pm - Plotted By: lnemo
File: J:\MCO\2022\070.01 - AVCON West Airfield Electrical Upgrades\2022.070.01 - CADD\2307003_ED2.0.1-ED2.0.15.dwg



NOTES:

1. SEE SHEET E1.0.1 FOR GENERAL NOTES AND SHEET E1.0.2 FOR SYMBOL LEGEND.
2. ELECTRICAL DEMOLITION WORK SHALL BE LIMITED TO THE AREAS AND SCHEDULES IDENTIFIED IN THE PHASING PLANS AND THIS PLAN.
3. MAINTAIN EXISTING AIRFIELD LIGHTING CIRCUITS NECESSARY FOR AIRFIELD OPERATIONS.
4. PROTECT EXISTING SYSTEMS/COMPONENTS/ITEMS TO REMAIN.

SCOPE OF WORK:

1. REPLACE ALCMS MULTIMODE FIBER OPTIC CABLE WITH SINGLE MODE FOC FROM 17R VAULT TO ATCT.

BIDDING NOTES:

WORK ON THIS PAGE IS INCLUDED IN ADDITIVE ALTERNATE #4 BID SCHEDULE.

GREATER ORLANDO AVIATION AUTHORITY

MCO-E-00280

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www.avcon.com

Revisions

No.	Date	Description
1	12/20/2023	ESI #1

Key Plan

Project No.:	2022.070.01
Designed By:	L.W.N.
Drawn By:	L.W.N.
Checked By:	M.A.G.
Issue Date:	06/14/2023
Drawing Scale:	AS NOTED

Drawing Title:

EXISTING CONDITIONS AND DEMOLITION PLAN (SHEET 12 OF 15)

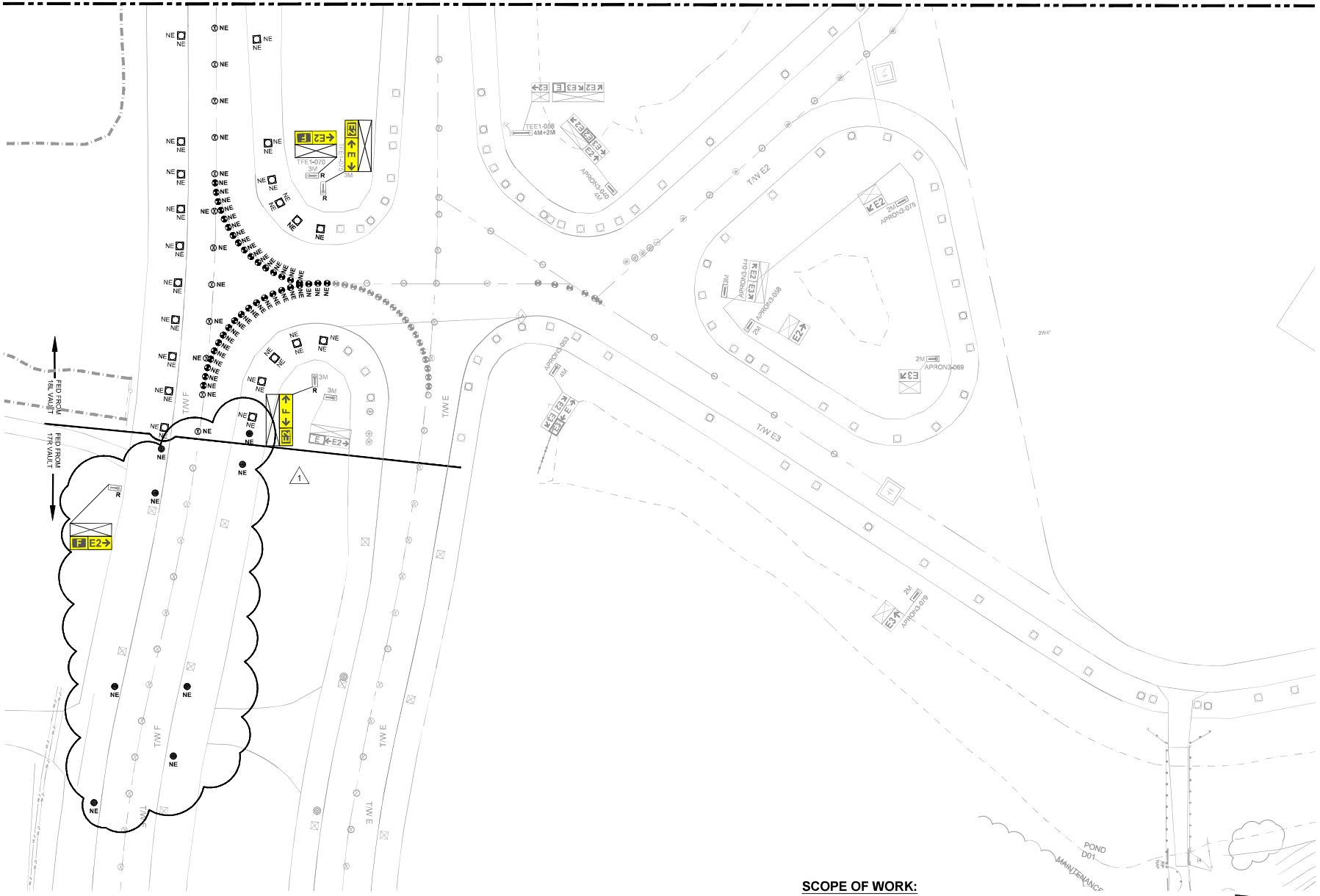
CONFORMED DOCUMENTS

Drawing No.

ED2.0.12

Date: Dec 20, 2023 - Time: 4:49 pm - Plotted By: lnema
Drawing No.: X:\2022\2022.070.01 - MCO West Airfield Electrical Upgrades\2022.070.01 - CAD\D2307003_ED2.0.1-ED2.0.15.dwg

MATCHLINE: SHEET E2.1.8



NOTES:

1. SEE SHEET E1.0.1 FOR GENERAL NOTES AND SHEET E1.0.2 FOR SYMBOL LEGEND.
2. SEE CONTRACT DETAILS AND CONTRACT SPECIFICATIONS SECTION L-125 AND L-110 FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF LIGHT FIXTURES, SIGNS AND ASSOCIATED CONDUIT.
3. ALL FIXTURES, SIGNS, BASE CANS, ETC., SHALL BE INSTALLED AS SHOWN ON THE CONTRACT DOCUMENTS OR ACCEPTED SHOP DRAWINGS AND IN ACCORDANCE WITH THE APPLICABLE FAA ADVISORY CIRCULARS AND MANUFACTURERS' RECOMMENDATIONS. SURVEY INSTRUMENTS SHALL BE USED TO POSITION ALL ITEMS TO INSURE PRECISE ORIENTATION. TOLERANCES GIVEN IN THE FAA ADVISORY CIRCULARS AND THE CONTRACT DOCUMENTS SHALL NOT BE EXCEEDED. WHERE NO TOLERANCE IS GIVEN, NO DEVIATION IS PERMITTED. ITEMS NOT INSTALLED IN ACCORDANCE WITH THE FAA ADVISORY CIRCULARS AND THE CONTRACT DOCUMENTS SHALL BE REPLACED BY AND AT THE EXPENSE OF THE CONTRACTOR.
4. POSITION SIGNS WITH SURVEY INSTRUMENTS AS INDICATED IN THE CONTRACT DOCUMENTS. STAKE LOCATION OF ALL SIGNS PRIOR TO INSTALLATION TO DEMONSTRATE ACCURACY OF LAYOUT, SPACING INTERVALS, AND COORDINATION WITH SITE FEATURES. BRING CONFLICTS TO THE ATTENTION OF THE ENGINEER. ALLOW 5 CALENDAR DAYS FOR A RESOLUTION. SIGNS SHALL BE ORIENTED AT 90 DEGREES TO THE DIRECTION OF THE TAXING PATH FROM WHICH IT IS VIEWED, UNLESS NOTED OTHERWISE.
5. SEMI-FLUSH LIGHT UNITS SHALL BE LOCATED AS SHOWN IN THE CONTRACT DOCUMENTS. ALL SEMI-FLUSH LIGHTS SHALL BE INSTALLED LEVEL WITH THE TOP EDGE BETWEEN PLUS 0-INCH AND MINUS 1/16 INCHES FROM THE PAVEMENT'S FINAL FINISH GRADE. LIGHT BASE CANS MUST BE ALIGNED PARALLEL TO THE CENTERLINE WITH A TOLERANCE OF PLUS OR MINUS 1/2 DEGREE. PROVIDE TIGHTER TOLERANCES IF REQUIRED BY FIXTURE MANUFACTURER TO MEET ADVISORY CIRCULAR PHOTOMETRIC PERFORMANCE CRITERIA.

SCOPE OF WORK:

1. REPLACE TAXIWAY CENTERLINE FIXTURES ASSOCIATED WITH CIRCUITS TFC1, TFC2, ~~AND TEC1~~.
2. REPLACE TAXIWAY EDGE FIXTURES ASSOCIATED WITH CIRCUITS TFE1, ~~AND TEC1~~.
3. REPLACE AIRFIELD SIGNS ASSOCIATED WITH CIRCUITS TFE1, ~~AND TEE1~~.

BIDDING NOTES:

INSTALLATION OF FIXTURES ON CIRCUIT TFC1 AND TFC2 IS INCLUDED IN THE BASE BID SCHEDULE.

~~INSTALLATION OF FIXTURES, SIGNS, AND SIGN PADS ON CIRCUITS TEC1 AND TFE1 IS INCLUDED IN THE ADDITIVE ALTERNATE #2 BID SCHEDULE.~~ **N.I.C.**

INSTALLATION OF FIXTURES, SIGNS, AND SIGN PADS ON CIRCUIT TFE1 IS INCLUDED IN THE ADDITIVE ALTERNATE #6 BID SCHEDULE.

GREATER ORLANDO AVIATION AUTHORITY

MCO-E-00280

WEST AIRFIELD ELECTRICAL UPGRADES

INTERNATIONAL

AVCON, INC.
ENGINEERS & PLANNERS
5555 E. MICHIGAN ST., SUITE 200 ORLANDO, FL 32822-3778
OFFICE: (407) 290-6000 FAX: (407) 290-6100
CORPORATE CERTIFICATE OF AUTHORIZATION NUMBER: 3107
www.avcon.com

Revisions

No.	Date	Description
1	12/20/2023	ESI #1

Key Plan

Project No.:	2022.070.01
Designed By:	L.W.N.
Drawn By:	L.W.N.
Checked By:	M.A.G.
Issue Date:	06/14/2023
Drawing Scale:	AS NOTED

Drawing Title:

AIRFIELD LIGHTING LAYOUT PLAN (SHEET 9 OF 9)

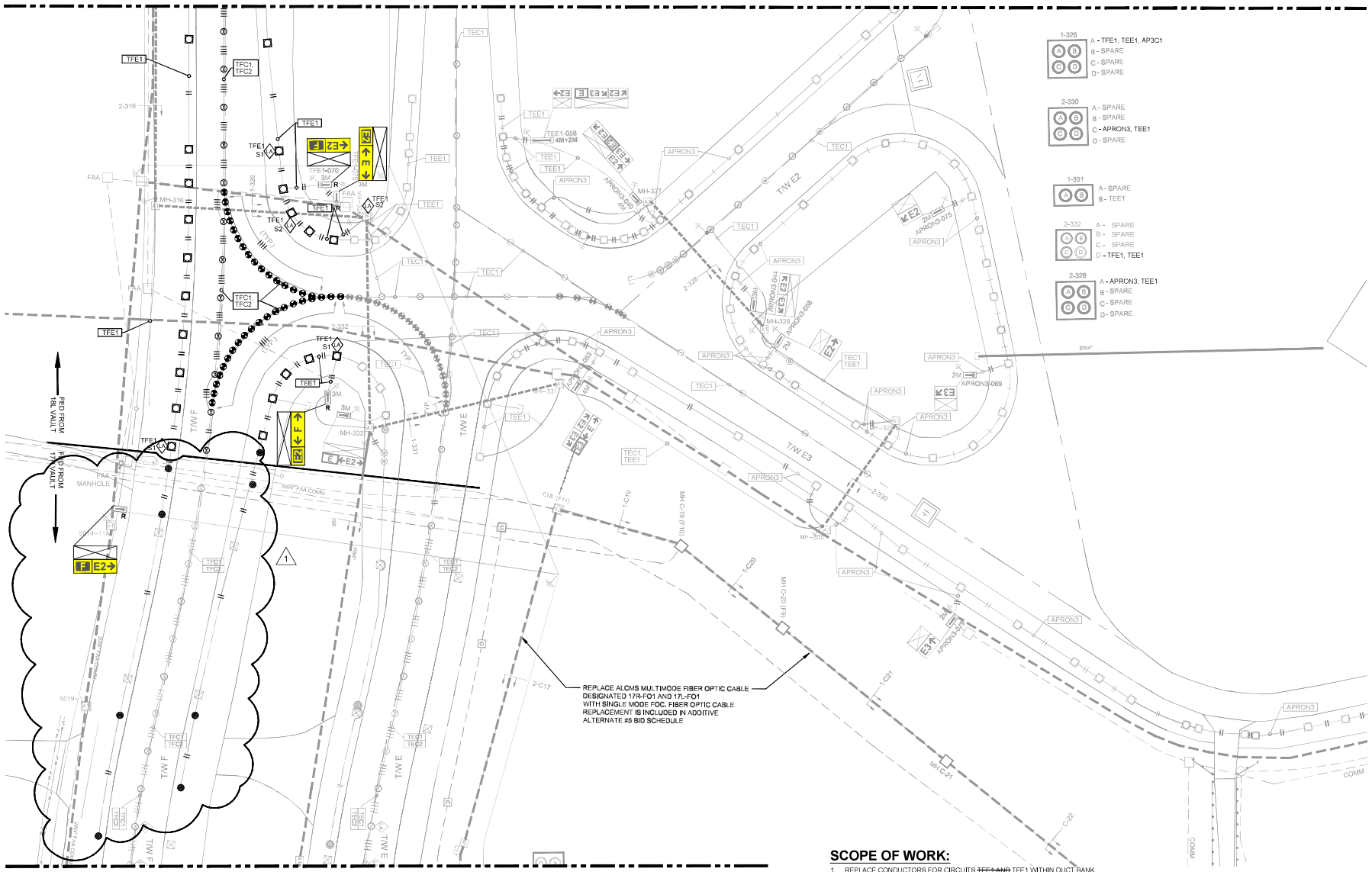
CONFORMED DOCUMENTS

Drawing No.

E2.1.9

Date: Dec 20, 2023 - Time: 4:39 pm - Plotted By: lwenig
File: J:\Projects\2022.070.01 - MCO West Airfield Electrical Upgrades\2022.070.01 - CAD\D2307003_E2.1-E2.1.8.dwg

MATCHLINE: SHEET E2.2.8



MATCHLINE: SHEET E2.2.12

SCOPE OF WORK:

1. REPLACE CONDUCTORS FOR CIRCUITS ~~TEE1 AND~~ TFE1 WITHIN DUCT BANK SYSTEM.
2. REPLACE TAXIWAY CENTERLINE FIXTURES ASSOCIATED WITH CIRCUITS TFC1, TFC2, ~~AND TEE1~~.
3. REPLACE TAXIWAY EDGE FIXTURES ASSOCIATED WITH CIRCUITS TFE1, ~~AND TEE1~~.
4. REPLACE AIRFIELD SIGNS ASSOCIATED WITH CIRCUITS TFE1, ~~AND TEE1~~.
5. REPLACE ALCMS MULTIMODE FIBER OPTIC CABLE WITH SINGLE MODE FOC FROM 17R VAULT TO ATCT.

NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

NOTES:

1. SEE SHEET E1.0.1 FOR GENERAL NOTES, SHEET E1.0.2 FOR SYMBOL LEGEND, AND SHEET E1.0.3 FOR PLAN SHEET KEY PLAN.
2. SEE CONTRACT DETAILS AND CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF LIGHT FIXTURES, SIGNS, ASSOCIATED CONDUIT, CABLE AND APPURTENANCES.
3. AIRFIELD LIGHTING FIXTURES SHALL BE CONNECTED IN THE SERIES CIRCUIT IN THE SEQUENCE SHOWN IN THE CONTRACT DOCUMENTS. THE 'RETURN' CONDUCTOR SHALL NOT BE CONNECTED TO ANY AIRFIELD LIGHTING FIXTURES. SEE SPECIFICATION SP-111 FOR FURTHER DETAILS.
4. EACH FIXTURE SHALL BE INDIVIDUALLY BONDED TO THE BASE CAN WITH A DX ENGINEERING BRAIDED TINNED COPPER, 1" WIDE, 1/4" RING TERMINALS, 3 FOOT, DXE-TCBIO-RTO3 OR ACCEPTED EQUIVALENT STRAP.
5. EACH FIELD LIGHTNING ARRESTOR ASSEMBLY SHALL BE INDIVIDUALLY BONDED TO THE BASE CAN WITH A #2 AWG STRANDED COPPER, GREEN THWN-2 INSULATED BONDING JUMPER. THE WIRE SHALL CONFORM TO ASTM B3, ASTM B8 AND ASTM B33.
6. EACH SIGN SHALL BE BONDED TO THE SIGN GROUND ROD WITH A #2 AWG STRANDED COPPER, GREEN THWN-2 INSULATED BONDING JUMPER. THE WIRE SHALL CONFORM TO ASTM B3, ASTM B8 AND ASTM B33. THE SIGN BONDING JUMPER SHALL BE SIX INCHES LONGER THAN THE SIGN TETHERS TO ALLOW THE TETHERS TO PROPERLY OPERATE.
7. THE CONTRACTOR SHALL MANDREL EACH INDIVIDUAL NEW CONDUIT AND EACH EXISTING CONDUIT TO BE UTILIZED IN THE PROJECT.
8. THE CONTRACTOR SHALL SWAB OUT ALL CONDUITS/DUCTS AND CLEAN ALL BASE CAN, MANHOLE, PULL BOXES, ETC. INTERIORS IMMEDIATELY PRIOR TO PULLING CABLE. ONCE CLEANED AND SWABBED THE BASE CANS, MANHOLE, PULL BOXES, ETC, AND ALL ACCESSIBLE POINTS OF ENTRY TO THE DUCT/CONDUIT SYSTEM SHALL BE KEPT CLOSED EXCEPT WHEN INSTALLING CABLES. CLEANING OF DUCTS, BASE CANS, MANHOLES, ETC. IS INCIDENTAL TO THE CABLE INSTALLATION PAY ITEM. ALL RACEWAY SYSTEMS LEFT OPEN, AFTER INITIAL CLEANING, FOR ANY REASON SHALL BE RECLEANED AT THE CONTRACTOR'S EXPENSE. ALL ACCESSIBLE POINTS SHALL BE KEPT CLOSED WHEN NOT INSTALLING CABLE. THE CONTRACTOR SHALL VERIFY EXISTING DUCTS PROPOSED FOR USE IN THIS PROJECT AS CLEAR AND OPEN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY BLOCKAGE IN THE EXISTING DUCTS.
9. SPECIFICATION SECTION SP-111 REQUIRES SPECIFIC TESTING TO BE PERFORMED, RECORDED AND SUBMITTED AS PART OF THE CLOSE OUT DOCUMENTS. SEE SPECIFICATION SP-106 AND SP-111 FOR DETAILS OF TESTING AND SUBMITTAL REQUIREMENTS.

BIDDING NOTES:

INSTALLATION OF FIXTURES, CABLE, TRANSFORMERS, LIGHTNING ARRESTORS, AND ALL APPURTENANCES FOR CIRCUIT TFC1 AND TFC2 IS INCLUDED IN THE BASE BID SCHEDULE.

~~INSTALLATION OF FIXTURES, SIGNS, SIGN PADS, CABLE, TRANSFORMERS, LIGHTNING ARRESTORS, AND ALL APPURTENANCES FOR CIRCUITS TEC1 AND TEE1 IS INCLUDED IN THE ADDITIVE ALTERNATE #2 BID SCHEDULE.~~ N.I.C.

ALCMS FIBER OPTIC CABLE REPLACEMENT WORK IS INCLUDED IN ADDITIVE ALTERNATE #4 BID SCHEDULE.

INSTALLATION OF FIXTURES, SIGNS, SIGN PADS, CABLE, TRANSFORMERS, LIGHTNING ARRESTORS, AND ALL APPURTENANCES FOR CIRCUIT TFE1 IS INCLUDED IN THE ADDITIVE ALTERNATE #6 BID SCHEDULE.

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MCO-E-00280

WEST AIRFIELD ELECTRICAL UPGRADES

INTERNATIONAL

AVCON, INC.
ENGINEERS & PLANNERS
5555 E. MICHIGAN ST., SUITE 200 ORLANDO, FL 32822-3778
OFFICE: (407) 599-1122 FAX: (407) 599-1133
CORPORATE CERTIFICATE OF AUTHORIZATION NUMBER: 3107
www.avcon.com

Revisions

No.	Date	Description
1	12/20/2023	ESI #1

Key Plan

Project No.:	2022.070.01
Designed By:	L.W.N.
Drawn By:	L.W.N.
Checked By:	M.A.G.
Issue Date:	06/14/2023
Drawing Scale:	AS NOTED

Drawing Title:

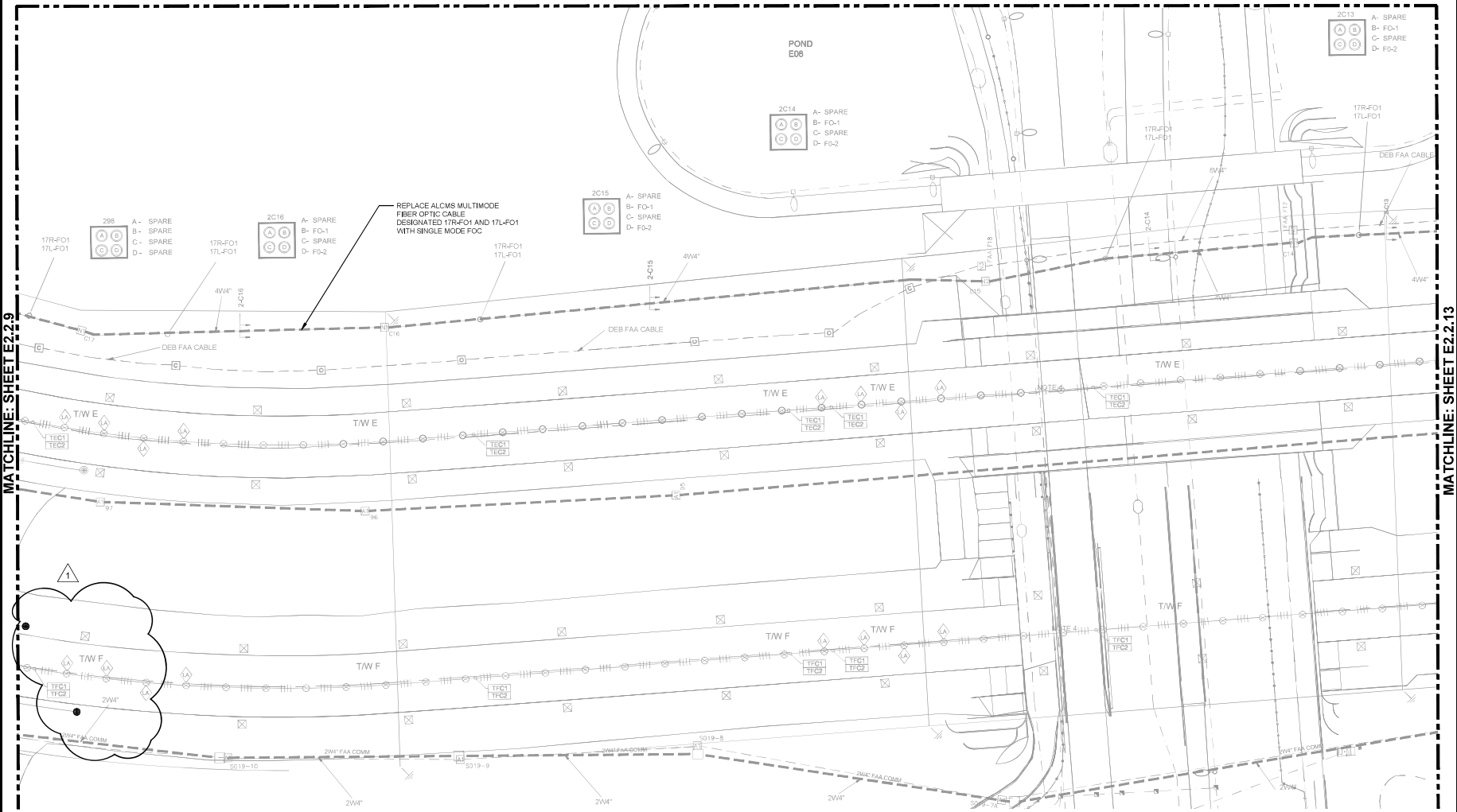
AIRFIELD LIGHTING CIRCUITING PLAN (SHEET 9 OF 15)

CONFORMED DOCUMENTS

Drawing No.

E2.2.9

Date: Dec 20, 2023 - Time: 4:31 pm - Plotted By: lwenne
File: J:\Projects\2022\2022.070.01 - MCO West Airfield Electrical Upgrades\2022.070.01 - CAD\D2307003_E2.2.1-E2.2.12.dwg



NOTES:

1. SEE SHEET E1.0.1 FOR GENERAL NOTES, SHEET E1.0.2 FOR SYMBOL LEGEND, AND SHEET E1.0.3 FOR PLAN SHEET KEY PLAN.
2. SEE CONTRACT DETAILS AND CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF LIGHT FIXTURES, SIGNS, ASSOCIATED CONDUIT, CABLE AND APPURTENANCES.
3. THE CONTRACTOR SHALL MANDREL EACH INDIVIDUAL NEW CONDUIT AND EACH EXISTING CONDUIT TO BE UTILIZED IN THE PROJECT.
4. THE CONTRACTOR SHALL SWAB OUT ALL CONDUITS/DUCTS AND CLEAN ALL BASE CAN, MANHOLE, PULL BOXES, ETC. INTERIORS IMMEDIATELY PRIOR TO PULLING CABLE. ONCE CLEANED AND SWABBED THE BASE CANS, MANHOLE, PULL BOXES, ETC. AND ALL ACCESSIBLE POINTS OF ENTRY TO THE DUCT/CONDUIT SYSTEM SHALL BE KEPT CLOSED EXCEPT WHEN INSTALLING CABLES. CLEANING OF DUCTS, BASE CANS, MANHOLES, ETC. IS INCIDENTAL TO THE CABLE INSTALLATION PAY ITEM. ALL RACEWAY SYSTEMS LEFT OPEN, AFTER INITIAL CLEANING, FOR ANY REASON SHALL BE RECLEANED AT THE CONTRACTOR'S EXPENSE. ALL ACCESSIBLE POINTS SHALL BE KEPT CLOSED WHEN NOT INSTALLING CABLE. THE CONTRACTOR SHALL VERIFY EXISTING DUCTS PROPOSED FOR USE IN THIS PROJECT AS CLEAR AND OPEN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY BLOCKAGE IN THE EXISTING DUCTS.
5. SPECIFICATION SECTION SP-111 REQUIRES SPECIFIC TESTING TO BE PERFORMED, RECORDED AND SUBMITTED AS PART OF THE CLOSE OUT DOCUMENTS. SEE SPECIFICATION SP-106 AND SP-111 FOR DETAILS OF TESTING AND SUBMITTAL REQUIREMENTS.

SCOPE OF WORK:

1. REPLACE ALCMS MULTIMODE FIBER OPTIC CABLE WITH SINGLE MODE FOC FROM 17R VAULT TO ATCT.

BIDDING NOTES:

WORK ON THIS PAGE IS INCLUDED IN ADDITIVE ALTERNATE #4 BID SCHEDULE.

NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

GREATER ORLANDO AVIATION AUTHORITY

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Revisions

No.	Date	Description
1	12/20/2023	ESI #1

Key Plan

Project No.:	2022.070.01
Designed By:	L.W.N.
Drawn By:	L.W.N.
Checked By:	M.A.G.
Issue Date:	06/14/2023
Drawing Scale:	AS NOTED

Drawing Title:

AIRFIELD LIGHTING CIRCUITING PLAN (SHEET 12 OF 15)

CONFORMED DOCUMENTS

Drawing No.

E2.2.12

Date: Dec 20, 2023 - Time: 4:32 pm - Plotted By: lwenns
Drawing No.: X:\2022\2022.070.01 - MCO West Airfield Electrical Upgrades\2022.070.01 - CAD\D2307003_E2.2.1-E2.2.12.dwg

SIGN SCHEDULE A - SIGNS TO BE INSTALLED ON EXISTING SIGN PAD

SIGN NUMBER	SIGN MESSAGE SIDE 1	SIGN MESSAGE SIDE 2	TYPE L-858 SIDE 1	TYPE L-858 SIDE 2	CIRCUITING SHEET #	CIRCUIT	SIZE	STYLE	ESTIMATED MODULES (SEE NOTE 3)	BID SCHEDULE	
TFE1-008	← B F E ↗ B →		Y | L | Y	BLANK	E2.2.7	TFE1	3	2	4	ADD. ALT. 6	
~~TEE1-004~~	~~← B E ↑ E B →~~		~~Y | L | Y~~	~~BLANK~~	~~E2.2.7~~	~~TEE1~~	~~3~~	~~2~~	~~4~~	~~ADD. ALT. 2~~	N.I.C.
TFE1-036	←E1 F		Y | L	BLANK	E2.2.7	TFE1	3	2	3	ADD. ALT. 6	
TFE1-043	E1 ← E →		L | Y	BLANK	E2.2.8	TFE1	3	2	3	ADD. ALT. 6	
TFE1-046	E1 ← F →		L | Y	BLANK	E2.2.8	TFE1	3	2	3	ADD. ALT. 6	
TFE1-070	←E2 F		Y | L	BLANK	E2.2.9	TFE1	3	2	3	ADD. ALT. 6	
TFE1-075	E2 ← E →		L | Y	BLANK	E2.2.9	TFE1	3	2	3	ADD. ALT. 6	
~~SEE NOTE 6~~	~~E ← E2 →~~		~~L | Y~~	~~BLANK~~	~~E2.2.9~~	~~TFE1~~	~~3~~	~~2~~	~~3~~	~~ADD. ALT. 2~~	N.I.C.
SEE NOTE 6	E2 ← F →		L | Y	BLANK	E2.2.9	TFE1	3	2	3	ADD. ALT. 6	
1 SEE NOTE 6	F E2 →		L | Y	BLANK	E2.2.9	TFE1	3	2	3	ADD. ALT. 6	

SIDE 2

END TOWARD T/W OR R/W

SIDE 1

INDICATES MESSAGE DIVIDER

TYPE DESIGNATIONS

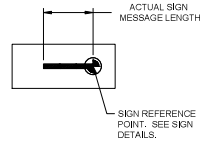
L = L-858L LOCATION SIGN

Y = L-858Y DIRECTION OR BOUNDARY SIGN

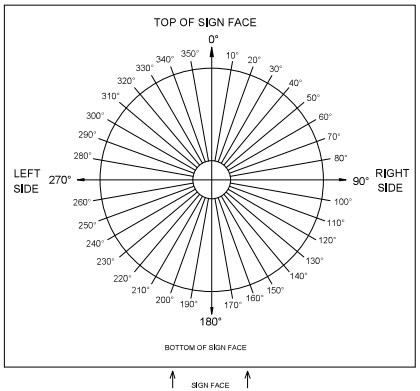
R = L-858R MANDATORY INSTRUCTION SIGN

= BLANK SIGN PANEL WITHOUT MESSAGE

SEE ITEM L-125 FOR ADDITIONAL INFORMATION



ARROW ROTATION ANGLE DATA AS VIEWED LOOKING AT SIGN FACE



NOTES:

1. EXISTING SIGNS ARE MANUFACTURED BY ADB AND ARE SIZE 3 FOR L-858 L, Y AND R SIGNS.
2. THE QUANTITY OF ESTIMATED SIGN MODULES IS BASED ON A SINGLE SIGN MODULE FOR A LOCATION SIGN PLUS THE ACTUAL SIGN MESSAGE BASED ON TWO (2) CHARACTERS PER MODULE. PAYMENT SHALL BE MADE ON THE BASIS OF A MODULE CONSISTING OF TWO CHARACTERS, DASH AND DOTS ARE NOT CONSIDERED AS BEING A FULL CHARACTER REGARDLESS OF THE MANUFACTURING METHODS OR TECHNIQUES.
3. MODULE COUNT FOR SIGNS IS ESTIMATED BASED ON THE ABOVE CRITERIA. ACTUAL MODULES MAY VARY DEPENDING ON SIGN MANUFACTURER.
4. THE NUMBER BELOW THE ARROWS IN THE TEXT COLUMN REPRESENTS THE ARROWS ROTATION PER THE ABOVE DETAIL. ARROWS SHALL BE ALIGNED WITHIN ±2° OF ANGLE LISTED IN THE SIGN SCHEDULE. ARROWS WITH NO DEGREE GIVEN ARE AT EVEN 90° INCREMENTS.
5. SIGN ASSEMBLIES SHALL BE MANUFACTURED AS 1, 2, 3 OR 4 MODULE UNITS. SIGNS MANUFACTURED WITH HALF MODULE UNITS WILL NOT BE PERMITTED.
6. CONTRACTOR SHALL CONFIRM THERE IS AN EXISTING BRASS ID TAG FOR EACH SIGN WITH THE DESIGNATED SIGN NUMBER. CONTRACTOR SHALL INSTALL A NEW BRASS ID TAG IF THERE IS NOT ONE EXISTING.

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OFFICE: (407) 599-1122 FAX: (407) 599-1133
CORPORATE CERTIFICATE OF AUTHORIZATION NUMBER: 3107
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Revisions

No.	Date	Description
1	12/20/2023	ESI #1

Project No.:	2022.070.01
Designed By:	L.W.N.
Drawn By:	L.W.N.
Checked By:	M.A.G.
Issue Date:	06/14/2023
Drawing Scale:	AS NOTED

Drawing Title:

SIGN SCHEDULE (SHEET 1 OF 2)

CONFORMED DOCUMENTS

Drawing No.

E7.0.4

Date: Dec 20, 2023 - Time: 4:36 pm - Plotted By: lwenner
Drawing No.: E7.0.4 - C:\JOD\2022\070.01 - MCO West Airfield Electrical Upgrades\2022.070.01 - C\JOD\2022\070.01_E7.0.4-7.0.5.dwg

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CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 02	**AMOUNT $26,565.92**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	E-281 Airside 4 PA System Upgrade	DATE: 06/18/24
CONTRACTOR:	Quality Cable Contractors, Inc	
A/E:	C&S Engineers	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1: Provide all labor, equipment, and materials to purchase and deliver the following uninterruptible power supply (UPS) equipment for incorporation into the E-281 project:
2 each APC - SRT5KRMXLT-5KTF UPS 5000VA 208V 120V 12 RCPT
Add: $21,222.00

Item #2: Provide all labor, equipment, and materials to install one (1) new 208 volt, 30 amp, 1 phase power circuit from emergency panel EXLRW11, located in room 01-3536 for new UPS.
Add: $5,343.92

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

REASON FOR CHANGE:

Item #1: Owner Request – The existing UPS in room 01-3536 is supporting both GOAA network switches and vendor (IED) public address system amplifiers, which is contrary to GOAA policy. GOAA IT requested that the new IED equipment is backed up by a separate UPS. Also, GOAA IT has requested the existing cabinet UPS in room 01-2629 be replaced with a new rack mounted UPS.

Item #2: Owner Request – GOAA IT requested that the new IED equipment in room 01-3536 is backed up by a separate UPS. This change is to provide a new emergency power circuit to support this UPS equipment.

-SOURCE OF FUNDS: Previously Approved Capital Expenditure Funds

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	$ 53,506.00	
GOAA/OAR Estimate	$ 24,542.04	
(a) Change Contract Amount By		**$ 26,565.92**
(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)		**$ 26,565.92**

Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$ 0.00

PREPARED BY: Jamie McGonagill, GCI PHONE:

CC ITEM III-D 6/18/2024

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

GOAA's CEF Consultant: Anser Advisory	Date Received: 05/21/2024	Date Review Completed: 06/10/2024	Initials of Reviewer: ZTG	Verification of Funding by CF: Melvin Martinez

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.qcciflorida.com

Change Order: 2022615 - 1 / Date: 5/23/2024
Project Number: QC24-1

Customer

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

Prepared By:
Omar Hernandez

ohernandez@qcciflorida.com

GREATER ORLANDO AVIATION AUTHORITY

Scott Shedek
(407) 750-0971
scott.shedek@goaa.org

Project: **QC24-1 GOAA E-00281 AS 4 PA System Upgrade**

Scope of Work

RCO #2 Rev #1 - UPS's for Comm Room's 2629 & 3536.

- Install (1) UPS in Comm Room 2629.
- Install (1) UPS in Comm Room 3536.

UPS

	Quantity	Material Cost	Labor Cost and/or Adjustments	Total Cost
APC - SRT5KRMXLT-5KTF UPS 5000VA 208V 120V 12 RCPT	2 ea	$8,562.46	$2,048.61	$21,222.14

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.

Change Order: 2022615 - 1 / Date: 5/23/2024
Project Number: QC24-1

Summary

Price		
Labor and Adjustments	$4,097.22	Labor: 23.30064 Hrs @ 76.87/HR Expediting Materials, Processing & Handling: 30 Hrs @ 76.87/HR
Materials	$17,124.93	
Subcontractor	$0.00	
Subtotal	**$21,222.14**	

$21,222

Accepted By .....

Date .....

Certified Minority Business Enterprise

DIVERSIFIED B2B SUPPLY, INC

Quote to Customer

Date	Estimate #
5/22/2024	A05222024

Quality Cable Contractors, Inc.
Attention: Kate Dedivitis
1936 Premier Row
Orlando, FL 32809
(407) 246-0606 X210

Project
GOAA AIRSIDE 4 E-00281 PA UPGR

Item	Description	Qty	Rate	U/M	Total
814259	**GOAA - AIRSIDE 4 E-00281 PA UPGRADE UPS EQUIPMENT** **E-00281 UPS EQUIPMENT ROOM 01-2629** SRT5KRMXLT-5KTF AMER PWR SRT5KRMXLT-5KTF SMART-UPS SRT D/CON 5000VA W/ 1X SRT5KRMTF, 1X SRT5KRMXLTSTEP-DOWN TRANSFORMER PART AVAILABILITY: 24 NOTE: MAY BE CHARGED STORAGE AND TRANSPORTATION FEES IF POSSESSION NOT TAKEN OR DELIVERY ACCEPTED OF THE ABOVE PRODUCTS WITHIN NINETY (90) DAYS OR AGREED UPON TERMS FROM SUCH PRODUCTS BEING AVAILABLE FOR DELIVERY OR PICK-UP.	2	6,991.19	EA	13,982.38T

GEORGE URQUIOLA
4749 PATCH ROAD, SUITE 200
ORLANDO, FL 32822

Phone #	Fax #	E-mail
407-277-7000	407-277-7222	george@dsib2b.com

Subtotal	$13,982.38
Sales Tax (6.5%)	$908.85
Total	$14,891.23

E-281 CO #2, Item #1 OAR Estimate - UPS Equipment

		Takeoff Quantity		UOM		Material Unit Cost		Material Cost		Labor Unit	Labor Cost	Total Cost
01 General Requirements												
	Subcontractor / Supplier Costs											
	UPS w/transformer APC SRT5KRMXLT-5KTF (w/tax)	2		ea		$ 7,250.00		$ 14,500.00				15,443
		$ -		ea						$ -	0	0
				ea		$ -		$ -				0
											Net Add	15,443
										GC Mark-UP 15%		$ 2,316.38
										Total Sub Cost		$ 17,758.88
	GC Handling Costs											
	Coordination & delivery	24		hr				$ -		$ 50.00	1,200	$ 1,704.00
		$ -		ea						$ -	0	$ -
											Net	$ 1,704.00
										GC Mark-UP 15%		$ 255.60
										Total GC Cost		$ 1,959.60
										Total Sub Cost		$ 19,718.48

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View all **Smart-UPS** On-Line



APC Smart-UPS On-Line, 5kVA, Rackmount 5U, 208V, 12 5-20R+2 L6-20R+2 L6-30R NEMA, Network Card+SmartSlot, W/ rail kit, W/ transformer 208V to 120V

SRT5KRMXLT-5KTF

- Replacement battery (1) is available
- 5kVA/4.8kW double-conversion on-line pure sine wave 5U rackmount UPS
- Ideal for servers, storage, voice/data networks, medical labs, and light industrial applications
- Rack/Tower convertible (rail kit included)
- Delivers clean power with zero transfer time for critical or sensitive devices
- Add up to 10 external battery packs (SRT192RMBP) for extended runtime
- Environmental performance of the product Learn more

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$7,250.00

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Jamie McGonagill

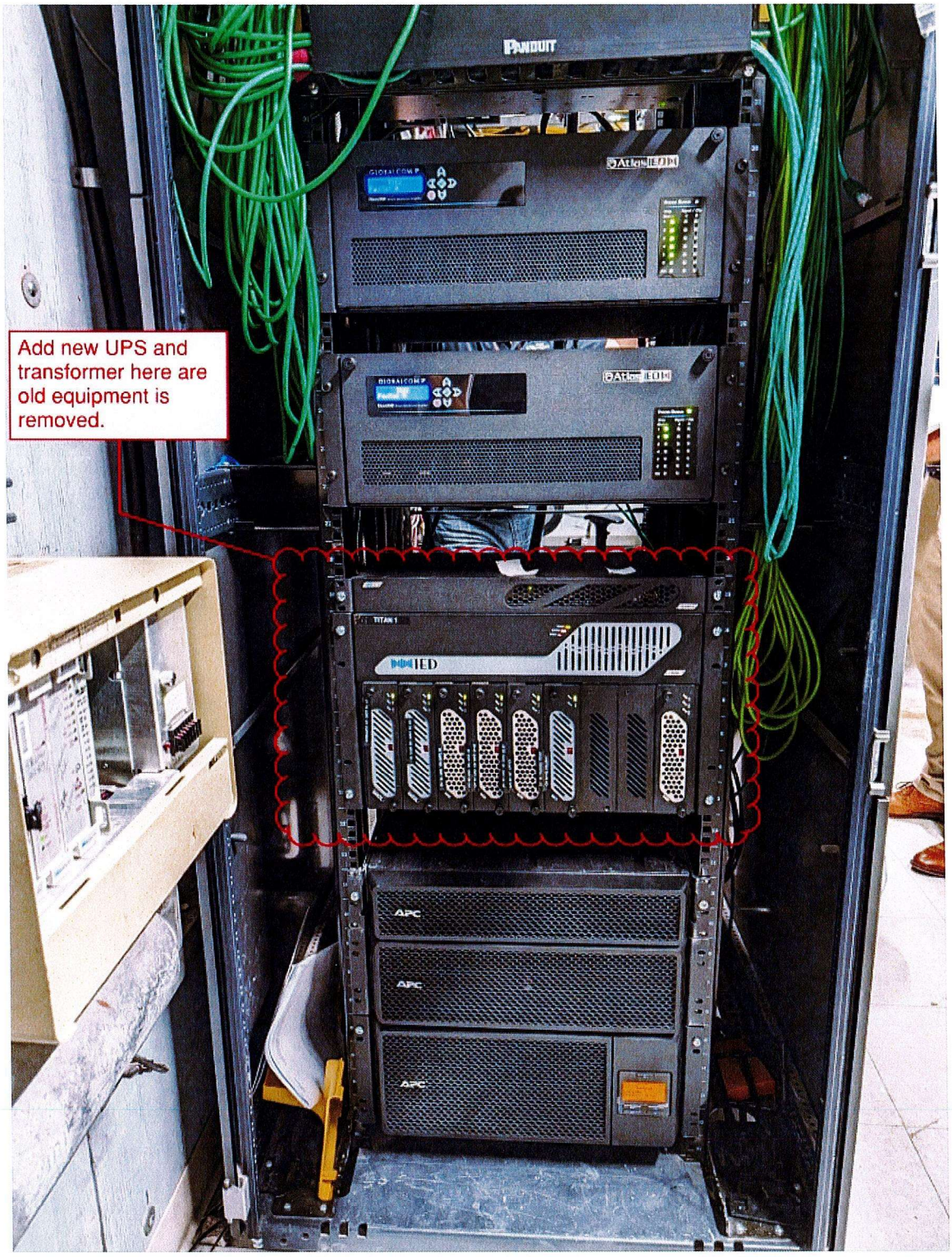
From: William O'Connor <WOConnor@cscos.com>
Sent: Wednesday, May 22, 2024 4:09 PM
To: Jamie McGonagill; 'Kate Dedivitis'
Cc: Carmen E. Hernandez
Subject: RE: E-00281 Airside 4 PA Upgrade UPS Equipment

CAUTION: This email originated outside of GOAA. Stop and think before you click! If you are not expecting it or if it looks suspicious, please report it using the Phishing Report Button.

Jamie,

Please see below for my notes I toke during today's walk:

- Room 01-1509 – will utilize existing 8KVA UPS, battery pack, and transformers – no additional parts needed
- Room 01-4551 – will utilize existing 6KVA Ups and transformer – no additional parts needed
- Room 01-2629 – replace existing 3KVA UPS with new 5KVA UPS and transformer
    - Recommend purchasing 5KVA UPS/Transformer Combo APC part No. SRT5KRMXLT-5KTF
- Room 013536 – keep existing 6KVA UPS, battery pack, and transformer to power GOAA IT equipment, purchase new 5KVA UPS and transformer to power PA equipment
    - Recommend purchasing 5KVA UPS/Transformer Combo APC part No. SRT5KRMXLT-5KTF
    - Will need to provide a new dedicated 208V, 30A, 1PH circuit from emergency panel EXLRW11 to power new PA UPS
    - Recommend installing new UPS and transformer in location of existing PA equipment see below photo:

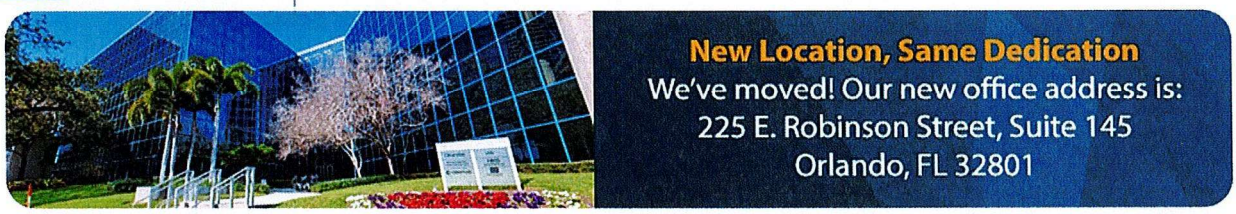


Thank you,
-Bill

William K. O'Connor, PE
Sr. Project Engineer

office: (407) 422-1118
direct: (407) 956-6619
cell: (315) 886-9332
woconnor@cscos.com
225 E. Robinson Street, Suite 145 | Orlando, FL 32801

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From: Jamie McGonagill <JMcGonagill@goaa.org>
Sent: Wednesday, May 22, 2024 2:47 PM
To: 'Kate Dedivitis' <kate@qcciflorida.com>
Cc: Carmen E. Hernandez <chernandez@goaa.org>; William O'Connor <WOConnor@cscos.com>
Subject: RE: E-00281 Airside 4 PA Upgrade UPS Equipment

Kate,
We do not need the one in red.

I was just on site with Bill, and he will be sending a change to the room 3536 equipment. Will have it this afternoon.

Need pricing by Thursday morning (tomorrow) to take this to the 5/28/24 construction committee (CC). If we miss that deadline, then it will go to the 6/04/24 CC.
We don't want to miss tomorrow's deadline.

Thanks,

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

Jamie McGonagill, GCI
Project Manager

jmcgonagill@goaa.org
P 407-825-6565 **C** 407-948-5698

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827
orlandoairports.net

From: Kate Dedivitis <kate@qcciflorida.com>
Sent: Wednesday, May 22, 2024 2:38 PM
To: Jamie McGonagill <JMcGonagill@goaa.org>
Subject: Fw: E-00281 Airside 4 PA Upgrade UPS Equipment

CAUTION: This email originated outside of GOAA. Stop and think before you click! If you are not expecting it or if it looks suspicious, please report it using the Phishing Report Button.

Hi Jamie,

Here is what I have so far for the lead times. The one highlighted in red is an issue. I have asked for lead times under 6 weeks as that is not an option. I am working on pricing but I wanted you to see this information.

From: Santiago, Eric <eric.santiago@anixter.com>
Sent: Wednesday, May 22, 2024 9:40 AM
To: George Urquiola <George@dsib2b.com>; Kate Dedivitis <kate@qcciflorida.com>
Subject: RE: E-00281 Airside 4 PA Upgrade UPS Equipment

Kate,

I am not sure how quickly the airport (QCCI) is looking to place this PO but there is one item that they just have one in stock and once that is gone the availability jumps to October 4th. It's the SRT5KRMXLTUS highlighted in RED. Please see below...

Part No.	Description	Qty Requested	Warehouse
SRT192RMBP	APC Smart-UPS SRT 192V 5kVA and 6kVA RM Battery Pack	1	PED, Middle States
SRT192RMBP	APC Smart-UPS SRT 192V 5kVA and 6kVA RM Battery Pack	1	LAD, Chino, States
SRT5KXLTUS	APC Smart-UPS SRT 5000VA RM 208V TAA	1	PED, Middle States
SRT5KXLTUS	APC Smart-UPS SRT 5000VA RM 208V TAA	1	LAD, Chino, States
SRT5KTF	APC Smart-UPS SRT 5kVA Tower Isolation/Step-Down Transformer	1	PED, Middle States
SRT5KTF	APC Smart-UPS SRT 5kVA Tower Isolation/Step-Down Transformer	1	LAD, Chino, States
SRT5KRMXLTUS	APC Smart-UPS SRT 5000VA RM 208V TAA	1	PED, Middle States

SRT5KRMXLTUS	APC Smart-UPS SRT 5000VA RM 208V TAA	1	LAD, Chino, States
SRT5KRMXLT-5KTF	APC Smart-UPS SRT 5000VA RM 208V to 120V 2U Step-Down Transformer	1	PED, Middle States
SRT5KRMXLT-5KTF	APC Smart-UPS SRT 5000VA RM 208V to 120V 2U Step-Down Transformer	1	LAD, Chino, States
SRT5KRMTF	APC Smart-UPS 5kVA 2U RM Step-Down Transformer	1	PED, Middle States
SRT5KRMTF	APC Smart-UPS 5kVA 2U RM Step-Down Transformer	1	LAD, Chino, States

wesco
Eric Santiago
Representative - Inside Sales
Wesco | Anixter

m. 407-738-8488 | eric.santiago@wescodist.com
1701 BOICE POND RD, SUITE 200, Orlando, FL 328371701

From: George Urquiola <George@dsib2b.com>
Sent: Tuesday, May 21, 2024 9:50 PM
To: Kate Dedivitis <kate@qcciflorida.com>; Santiago, Eric <eric.santiago@anixter.com>
Cc: George Urquiola <George@dsib2b.com>
Subject: RE: E-00281 Airside 4 PA Upgrade UPS Equipment

This Message Is From an External Sender

Please use caution with this message. If unsure about the legitimacy/safeness, please click Report Suspicious.

Report Suspicious

Thanks for keeping us informed.

George

George Urquiola
Diversified Supply, Inc.
4749 Patch Road, Suite 200
Orlando, FL 32822
(407)277-7000 | fx. (407)277-7222
george@dsib2b.com

Diversified Supply, Inc. is MBE/LDB certified by Orange County, City of Orlando, State of Florida & The Greater Orlando Aviation Authority. It is DBE certified by the Florida Department of Transportation & SDVOB certified by the State of Florida, Office of Supplier Diversity & the U.S. Veterans Administration.

From: Kate Dedivitis <kate@qcciflorida.com>
Sent: Tuesday, May 21, 2024 5:50 PM
To: Santiago, Eric <eric.santiago@anixter.com>; George Urquiola <George@dsib2b.com>
Subject: Re: E-00281 Airside 4 PA Upgrade UPS Equipment

I will also need revised pricing with the lead times 😊

Get Outlook for iOS [aka.ms]

From: Santiago, Eric <eric.santiago@anixter.com>
Sent: Tuesday, May 21, 2024 4:48:27 PM
To: Kate Dedivitis <kate@qcciflorida.com>; George Urquiola <George@dsib2b.com>
Subject: RE: E-00281 Airside 4 PA Upgrade UPS Equipment

Just sent an email to APC for firm lead times.



Eric Santiago
Representative - Inside Sales
Wesco | Anixter

m. 407-738-8488 | eric.santiago@wescodist.com
1701 BOICE POND RD, SUITE 200, Orlando, FL 328371701

From: Kate Dedivitis <kate@qcciflorida.com>
Sent: Tuesday, May 21, 2024 4:36 PM
To: Santiago, Eric <eric.santiago@anixter.com>; George Urquiola <George@dsib2b.com>
Subject: E-00281 Airside 4 PA Upgrade UPS Equipment

This Message Is From an External Sender

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Report Suspicious

Good afternoon Eric and George,

So there are some changes to the UPS quote for Airside 4. Please see email below . I hope this helps. We need lead times asap.

From: Jamie McGonagill <JMcGonagill@goaa.org>
Sent: Tuesday, May 21, 2024 4:01 PM
To: Kate Dedivitis <kate@qcciflorida.com>; William O'Connor <WOConnor@cscos.com>
Cc: Fabian del Rio <fdelrio@qcciflorida.com>; Carmen E. Hernandez <chernandez@goaa.org>; Elvin Baez-Rodriguez <elvin.baez-rodriguez@goaa.org>; 'Kevin Kruger' <kkruger@psaonline.com>
Subject: RE: E-00281 Airside 4 PA Upgrade UPS Equipment

Kate,
Two rooms (01-1509 & 01-4551) no longer need any UPS equipment to be purchase by QCC under E-281.

The other two rooms (01-3536 & 01-2629) do require QCC to purchase under E-281.

E-00281 Airside 4 PA Upgrade Equipment List (Notes for ordering)

SRT5KRMXLT Room 4551 needed qty 1 (check lead time)
Do not need any UPS equipment for room 01-4551. GOAA has checked out their existing equipment and it is operational.

SRT192RMBP Room 1509 only need batteries for existing UPS (4) and battery pack (4) qty 8
Do not need any batteries in room 01-1509. These will be provided by GOAA through their Maintenance contract with ESI.

SRT5KTF Room 3536 needed qty 1
SRT5KXLT Tower UPS Room 3536 needed qty 1 (Check lead time)
01-3536 – yes this is correct.
**** If the SRT5KXLTUS (currently 6 week lead time) ends up having a shorter lead time than the SRT5KXLT Tower, then go with the one with the shorter lead time.**

Room 012629 only line 1 needed AMER PWR SRT5KRMXLT-5KTF SMART-UPS SRT D/CON 5000VA W/ 1X SRT5KRMTF, 1X SRT5KRMXLT STEP-DOWN TRANSFORMER qty 1
01-2629 – Yes this is correct

Note for ordering 2629:
1. Order combined unit "SRT5KRMXLT-5KTF" as it is only a 3-4 week lead time.
2. If 5.4KVA UPS "SRT5KRMXLT" is a shorter lead time than the 5KVA UPS, purchase that with separate transformer "SRT5KRMTF".
This would ensure room 01-3536, 01-4551, and 01-2629 each have a 5.4KVA UPS and all match.

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

Jamie McGonagill, GCI
Project Manager

jmcgonagill@goaa.org
P 407-825-6565 **C** 407-948-5698

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827
orlandoairports.net [orlandoairports.net]

From: Kate Dedivitis <kate@qcciflorida.com>
Sent: Tuesday, May 21, 2024 2:55 PM
To: Jamie McGonagill <JMcGonagill@goaa.org>
Cc: Fabian del Rio <fdelrio@qcciflorida.com>
Subject: E-00281 Airside 4 PA Upgrade UPS Equipment

CAUTION: This email originated outside of GOAA. Stop and think before you click! If you are not expecting it or if it looks suspicious, please report it using the Phishing Report Button.

Good afternoon Jamie,

I went through the emails with the qty and also the notes on the proposal for the change order and the notes on the excel spreadsheet. I have attached my notes to make sure I am not missing anything part number or qty wise. Please let me know if there is anything missing. I have our vendor working on lead times and will get those to you as quickly as possible.

Kate Dedivitis
Executive Assistant.
Quality Cable Contractors inc.

kate@qcciflorida.com
(407) 246-0606 ext 210
1936 Premier Row, Orlando, Fl 32809
qcciflorida.com

CONFIDENTIAL: This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this email. Please notify the sender immediately by email if you have received this email by mistake and delete this email from your system. If you are not the intended recipient

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.qcciflorida.com

Change Order: 2022615 - 1 / Date: 5/16/2024
Project Number: QC24-1

Customer

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

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

GREATER ORLANDO AVIATION AUTHORITY

Scott Shedek
(407) 750-0971
scott.shedek@goaa.org

Project: **QC24-1 GOAA E-00281 AS 4 PA System Upgrade**

Scope of Work

Change order #3 New Receptical and Wire Management

- Separating the IT and PA power will also require a new 208V, 30A, 1PH circuit be provided.
- Pull a new circuit from existing emergency panel EXLRW11 located in room 01-3536.
- A new L6-30 receptacle shall be installed near the final UPS location.
- Provide 20 (total) D-ring wire managers for front and rear of rack

Receptical and Wire Management

	Quantity	Material Cost	Labor Cost and/or Adjustments	Total Cost
ESI Installation	1 ea	~~$3,175.97~~ 3,037.24	$1,333.91	~~$4,509.87~~ 4,371.15
PANDUIT | CMVDR2S Open-Access Vertical D-Ring 2 RU Black	20 ea	$21.28	$25.98	$945.01

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.

Summary

Price	Labor: 24.1110967 hrs@$76.87/hr	
Labor and Adjustments		$1,853.42
Materials	453.26	~~$453.16~~
Subcontractor	3,037.24	~~$3,175.97~~
Subtotal		**~~$5,482.54~~** 5,343.92

Others	
Bonding	$109.65
Total Others	**$109.65**

~~$5,592~~

Accepted By .....

Date .....

Electric Services, Inc.

INDUSTRIAL & COMMERCIAL ELECTRICAL CONTRACTORS & ENGINEERS
EC#13004103 / CA#9435
1746 Hwy 441 / Leesburg, FL 34748-7055
Telephone (352) 787-1322 / Fax (352) 787-7871

May 16, 2024

Quality Cable Contractors, Inc.
207 North Goldenrod Road
Orlando, FL 32807
Attn: Gabriel del Rio

RE: ESI# 2196-001
Project: OIA E-00281 AS4 PA System Upgrade

Gabriel:

Electric Services, Inc. is pleased to offer the following proposal for the above referenced project. Pricing includes all applicable materials, equipment, labor and taxes. If you would like us to proceed with the work, please send written authorization for us to proceed and issue a change order to our subcontract agreement as follows:

Description	Amount
Install conduit, wire and one L6-30 receptacle for 208V, 30A 1PH circuit from existing emergency Panel-EXLRW11 located in room 01-3536 for new rack mounted UPS.	$2,761.71

This work was not part of Electric Services' original scope of work. This proposal is valid for thirty days only; if accepted after that time, additional costs may apply.

Please call if you have any questions or if I can assist you in any way.

Respectfully,

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

Electric Services, Inc.

Cost Summary
OIA E-00281 AS4 PA System Upgrade
RCO # 2196-001

Install conduit, wire and one L6-30 receptacle for 208V, 30A 1PH circuit from existing emergency Panel-EXLRW11 located in room 01-3536 for new rack mounted UPS.

May 16, 2024

ITEM NO.	Self-Performed by Electric Services, Inc.	MATERIAL-DOLLARS	LABOR-HOURS
1	*Bill of Materials with sales tax*	372.89	26.40
2			
3			
4			
	Subtotal - Materials	372.89	
	Materials including tax	372.89	
	Subcontractor Quotes		
1			
	TOTAL - SUBCONTRACTORS QUOTES	$ -	
	Miscellaneous Material and Labor	$ 372.89	26.40
	Additional Labor Hours		4.49
	TOTALS - MATERIAL, LABOR, SUBCONTRACT	$ 372.89	30.88
	0.88 Standard Labor Hours @	$ 40.00	35.29
	30.00 Non-standard Labor Hours @	$ 43.00	1,290.00

ADDITIONAL LABOR	HOURS
Handling material	0.53
Project Foreman	3.96
Estimating	
Material Handling	
TOTAL	4.49

HOURS	ESI EQUIPMENT	RATE	DOLLARS
15.4	Materials truck	$ 9.50	$ 146.69
0.0	Office trailer - wk	$ 350.00	$ -
0.0	Boom Lift	$ 45.00	$ -
	Lull	$ 75.00	$ -
0.0	Scissor Lift	$ 10.00	$ -

JOB EXPENSE	
Storage	
Permit	project end
Plots and Drawings	-
Small Tools - Consumable	
Shipping cost	-
TOTAL	$ 146.69

Subtotal Labor	1,325.29
42% Labor Burden	556.62
LABOR COST GROSS TOTAL	1,881.91
Equipment Rental and Job Expense	146.69
Material, Labor, Subcontract Expense	372.89
TOTAL PRIME COST	2,401.49
15% Overhead & Profit - ESI	360.22
10% O/H & Profit for Subs	0.00
TOTAL NET COST	2,761.71
Selling Price without Bond	2,761.71
1.0% Bond	n/a
Selling Price with Bond	2,761.71
"PRICE QUOTED"	**$2,761.71**

Electric Services, Inc.

Bill of Material
OIA E-00281 AS4 PA System Upgrade
RCO # 2196-001

Install conduit, wire and one L6-30 receptacle for 208V, 30A 1PH circuit from existing emergency Panel-EXLRW11 located in room 01-3536 for new rack mounted UPS.

May 16, 2024

Quantity	Item Name	Material	U	Labor	U	Ext Material	Ext Labor
30	EMT 3/4	135.00	C	0.06	E	40.50	1.86
4	EMT CONN, COMP IT S 3/4	58.05	C	0.12	E	2.32	0.50
6	EMT COUPLING, COMP S 3/4	44.69	C	0.08	E	2.68	0.47
2	4 11/16 3/4 & 1	190.70	C	0.29	E	3.81	0.59
1	4 11/16 BLANK COVER	53.57	C	0.09	E	0.54	0.09
1	PLASTIC TAPE	0.86	E	0.78	E	0.86	0.78
10	3/8 ALTHREAD ROD	59.20	C	0.05	E	5.92	0.47
10	B-905 STRUT 1 1/2	307.80	C	0.19	E	30.78	1.86
1	RECP L6-30R	26.00	E	0.62	E	26.00	0.62
160	# 10 THHN/THWN STR	278.10	M	0.78	C	44.50	1.24
1	RS Plate L6-30R	2.79	E	0.31	E	2.79	0.31
6	C200 STRAP 3/4	39.15	C	0.08	E	2.35	0.47
10	B-905 STRUT 1 1/2	307.80	C	0.19	E	30.78	1.86
32	3/8 HEX NUTS	3.78	C	0.03	E	1.21	0.99
16	3/8 LOCK WASHER	5.33	C	0.03	E	0.85	0.50
24	3/8 FLAT WASHER	5.40	C	0.03	E	1.30	0.74
8	3/8 DROP IN STEEL ANCHOR	51.98	C	0.12	E	4.16	0.99
4	STRUT 'L' BRACKET	264.60	C	0.47	E	10.58	1.86
8	WIRE NUTS RED	47.25	M	0.05	E	0.38	0.37
2	GRD SCREW (GRN)	36.45	C	0.03	E	0.73	0.06
1	QBHW2030 2-pole Breaker	90.00	E	0.50	E	90.00	0.50
1	UON PREPERATION			4.00	E		4.00
	GENERAL CONDITIONS & MISC. MATERIAL					45.46	5.28
						$348.50	26.40

ANIXTER



PANDUIT | CMVDR2S

Open-Access Vertical D-Ring 2 RU Black

MFR PART # CMVDR2S
PART # 547467

Minimum 1 Each

416 Each in stock
View Detailed Inventory

Additional Stock Standard Lead Time: 3-7 Weeks

$18.50
/ Each

List Price $22.78
You Save $4.28 (19%)

Qty in Each
1

Add To List

DETAILS | REFERENCES | SHIPPING

Description

The Open-Access Vertical D-Ring is used on standard communication racks. The flexible arm provides open access that allows installation of complete cable bundles. The vertical D-ring is 2 RU.

Specifications:

UNSPSC Code	24102001

You may also like



Open-Access Vertical D-Ring 1 RU Black

PANDUIT

MFR PART # **CMVDR1S**
PART # **281014**

Minimum 1 Each

Price
$16.49
/ Each

Qty in Each
1

Add To Cart



Open-Access Vertical D-Ring 1 RU Black

PANDUIT

MFR PART # **CMVDR1**
PART # **218409**

Minimum 1 Each

Price
$18.50
/ Each

Qty in Each
1

Add To Cart



D-Ring VERT 5.6inx8.0in BLK EA

PANDUIT

MFR PART # **CMVDRC**
PART # **287202**

Minimum 1 Each

Price
$24.70
/ Each

Qty in Each
1

Add To Cart

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E-281 CO #2, Item #2 OAR Estimate - Electric Outlet room 01-3536														
		Takeoff Quantity		UOM		Material Unit Cost		Material Cost		Labor Unit		Labor Cost		Total Cost
01 General Requirements														
	Subcontractor / Supplier Costs													
	Install one circuit, 30' EMT, Wire, L6-30 plug, mount to overhead ladder rack	1		LS		$ 500.00		$ 500.00		$ 1,920.00		2,726		3,226
		$ -		ea						$ -		0		0
				ea		$ -		$ -						0
												Net Add		3,226
										GC Mark-UP 15%			$	483.96
										Total Sub Cost			$	3,710.36
	GC Costs													
	Install wire management for rack mounting	1		LS		$ 400.00		$ 400.00		$ 400.00		568	$	968.00
		$ -		ea						$ -		0	$	-
												Net	$	968.00
										GC Mark-UP 15%			$	145.20
										Total GC Cost			$	1,113.20
										Total Sub Cost			$	4,823.56

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Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 02	AMOUNT $ 63,851.17	Extension Of Time (Subst.): 0 Days
		Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	L-00080 ACS/REX Buttons Replacement	DATE: June 18, 2024
CONTRACTOR:	Quality Cable Contractors, Inc.	
A/E:	NA	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1: Base contract Job Order - Credit back to the project the installation, programming and integration of twenty-nine (29) out of fifty-three (53) RK40 card readers for Airsides 1 and 4. Turn over twenty-nine (29) card readers to GOAA Electronics Shop. **Deduct $ (8,719.46)**

Item #2: Change order 01 - Credit back to the project: 1) 4,500 lineal feet of BELDEN 4 Pair 18 AWG 18/8 cable for Airsides 1, 2 and 4 in the amount of $9,276.58; and 2) programming and integration scope for Airsides 1 and 4 in the amount of $19,790.40. . **Deduct $(29,298.02)**

Item #3: Provide all labor and materials to install 2,600 lineal feet (LF) of 1" electric metallic tubing (EMT) raceways to connect previously purchased RK40 card readers (CRs) for thirteen (13) security line doors to the associated security panels on Airside 3. **ADD $ 101,868.65**

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

REASON FOR CHANGE:

Items #1 Unforeseen Condition – The base scope of the project was to replace fifty-three (53) non-compliant regulatory 'request to exit' (REX) buttons throughout the four airsides of the north terminal with Access Control (ACS) via new RK40 CRs. The initial intent of the project was to connect the new RK40 CRs to the existing RK40 CRs on the opposite side of the door and share the same cabling circuit. GOAA Electronics Shop requested that this method not be utilized as there are concerns about reliability with added milliamperage placed on the security panel components which can cause outages. It was requested that each of the new CRs have dedicated cabling to the associated security panels.

Item #2: Unforeseen Condition: Change order 01 was approved at the January 2, 2024, Construction Committee which provided for: 1) an additional 14,000 LF of low voltage cabling to provide connection of the new RK40 CRs back to the associated security panel via existing conduit raceways; 2) Programming and integration of 114 CRs (all associated CRs would then have required programming and integration); 3) time for the Contractor to trace existing raceways to find the most expedient pathways; and 4) a new iStar Panel and Terminal Block to accommodate added card readers on Airside 1 due to the existing iStart panel being at maximum capacity. During the above-mentioned field investigations, it was determined that the existing pathways for Airsides 1, 3 and 4 were at or over maximum capacity. The field investigations also revealed that Airside 2 contained spare conductors existing within the cabling, therefore additional pathways or cabling were not required. The Airside 2 scope of work has been completed under the base scope and meets regulatory requirements. The new iStar Panel and terminal block is to be turned over to GOAA Electronics Shop for future use.

Item #3: Owner Requested: The estimated cost to provide additional 1" EMT conduit for Airsides 1, 3 and 4 exceeds the remaining project budget. However, with remaining project budget in the amount of $76,274.00 combined with credits from deleted base scope and CO-01 scope, it was determined that the project can complete Airside 3 by providing 2,600 LF of 1" EMT conduit, installing low v cabling, programming and integrating the base scope of thirteen (13) RK40 CRs. This will Airsides 2 and 3 meeting regulatory requirements, and Airsides 1 and 4 with the non-comp buttons to be completed under a separate project.

CC
ITEM III-E
6/18/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

SOURCE OF FUNDS: Line of Credit to be reimbursed by General Airport Revenue Bonds			
Is above change within the intended scope of the original contract? Yes ☒ No ☐ EXPLAIN:			
Previously Presented Bulletin(s):	NA		(Copy Attached)
Previously Approved Field Change Order(s):	NA		(Copy Attached)
Contractor's Original RCO Submission	$ 67,822.00		
GOAA/OAR Estimate	$ 64,867.00		
(a) Change Contract Amount By			**$ 63,851.17**
(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)		$ 7,724.00
(d) Total Cost Impact of this Change (d = a + b + c)			**$ 71,575.17**
Is there any potential backcharge to the A/E? Yes ☐ No ☒		Omissions	$ 0.00
		Errors	$ 0.00
PREPARED BY: Don Corthell, PSA			PHONE: 407-492-6319

*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	06/03/2024	06/12/2024	M.M.	Melvin Martinez

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.qcciflorida.com

Change Order: 2022490 - 3 / Date: 6/12/2024
Project Number: QC23-86GOAA

Customer

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

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

GREATER ORLANDO AVIATION AUTHORITY

Don Corthell

dcorthell@psaonline.com

Project: **QC23-86GOAA L-00080 GOAA Rex Replacement Project**

Scope of Work

RCO #3: Credits, conduit and Signo readers for AS3

- Provide conduit for card readers in AS3.
- Credit for Programming Labor not used for base scope and CO#1
- Credit for cabling not used for CO#1

Credit Base Scope

	Quantity	Material Cost	Labor Cost and/or Adjustments	Total Cost
CNP Programming	-1 ea	$5,265.00	$0.00	-$5,265.00
HID RK40 Multi-Class Se Card Reader With Keypad- Install-Labor Only	-29 ea	$0.00	$61.50	-$1,783.50
Labor QCCI	-27.17 hrs	$0.00	$61.50	-$1,670.96

Credit Change Order 1

	Quantity	Material Cost	Labor Cost and/or Adjustments	Total Cost
Type C Card Readers BELDEN 4 Pair 18awg 5343FE 18/8	-4,500 ft	$0.79	$1.15	-$8,741.72
CNP Programming	-1 ea	$15,390.00	$0.00	-$15,390.00
Labor QCCI	-80.25 hrs	$0.00	$61.50	-$4,935.38

Conduit for AS3 13 Readers

Change Order: 2022490 - 3 / Date: 6/12/2024
Project Number: QC23-86GOAA

8% QCCI on $75,413.00

	Quantity	Material Cost	Labor Cost and/or Adjustments	Total Cost
ELECTRICAL SUBCONTRACTOR	1 ea	$81,446.04	$0.00	$81,446.04
Labor QCCI	332.08 hrs	$0.00	$61.50	$20,422.61

Included (+)

1. All listed in scope of work

Excluded (-)

1. Communications Back Boards
2. Surge Suppression for 120 VAC circuits or Low Voltage
3. Ground System and Busbar
4. Conduit, raceways, and pathways for cabling
5. Fire stopping

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.
- 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 not included on this proposal.
- Due to the cost fluctuations in copper and polymers used in manufacturing of communication cables, this project proposal is valid for 30 days from proposal date.

Change Order: 2022490 - 3 / Date: 6/12/2024
Project Number: QC23-86GOAA

Summary

Cost Type	
Labor and Adjustments	$6,843.72
Materials	-$3,552.66
Subcontractor	$60,791.04
Subtotal	**$64,082.10**

Taxes	
Labor and Adjustments Tax	$0.00
Material Tax	-$230.92
Subcontractor Tax	$0.00
Total Taxes	**-$230.92**

$63,851

Accepted By

Date

$-526.00
$-1783.50
$-1670.96
$-8741.72
$-15390.00
$-4935.38
$-230
$63,851.17

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: 4/23/2024

Quality Cable Contractors, Inc.
1936 Premier Row
Orlando, FL 32809
Attn: Gabriel del Rio

Project: **OIA L-00080 AS3 Conduit**

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 general scope of work below. Actually work to be completed T&M, including badging process, as directed in the field.

GENERAL SCOPE OF WORK:

1. Provide and install up to 2,600-feet of 1" conduit with associated pull boxes, expansion fitting and etc. Quote is based no more than half the conduit will require a rack. Total material cost and labor hours shall not exceed values included in attached summary page. Additional fees will be required if exceeded.
2. Work budgeted to be completed at nights and no lifts anticipated.

LIMITATIONS & EXCLUSIONS:

1. Camera mounting to be done by others. (Including flex and Cat-6 cable)
2. All cable, testing and associated materials and equipment is by others.
3. No permit cost or permit documents has been included.
4. No overtime or weekend labor has been included.
5. Proposal good for up to 30-days.

BASE BID: **$75,413.00**

Respectfully,

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

Electric Services, Inc.

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

SUMMARY SHEET

OIA Conduit for Rex Button Replacement

April 23, 2024

ITEM NO.	Self-Performed - By Electric Services	MATERIAL-DOLLARS	LABOR-HOURS
1	BOM	12,382.31	687.84
	Subcontractors Quotes		

			TOTAL - SUBCONTRACTORS QUOTES		$ -	
ADDITIONAL LABOR	HOURS		Miscellaneous Material and Labor		$ 12,382.31	687.84
Handling Material	34.39		Sales Tax		866.76	0.00
Superintendent			Additional Labor			103.18
Project Foreman	68.78		TOTALS - MATERIAL & SUB		$ 13,249.07	791.02
Contractual Negotiations		17.02	Standard Hours Labor @		$ 40.00	680.70
Estimating		774.00	Non-standard Labor @		$ 43.00	33,282.00
TOTAL (A)	103.18					0.00

UNITS	JOB EXPENSE	RATE	DOLLARS		
395.5	Field Truck - hrs	$ 9.50	$ 3,757.33	Labor Hours	Subtotal Labor 33,962.70
6.0	Field office - wks	$ 350.00	$ 2,100.00	42%	Labor Burden 14,264.33
0.0	Dumpster Disp.	$ 350.00	$ -	**LABOR COST GROSS TOTAL**	48,227.04
	Lull	$ 75.00	$ -	Equipment/Tool Expense (B)	5,857.33
0.0	Scisrs Lifts	$ 1,470.00	$ -	Material Cost & Sub	13,249.07
				TOTAL PRIME COST	67,333.44
JOB EXPENSE				12%	ESI-Over Head & Profit 8,080.01
Permitting			$ -	10%	Sub - Overhead & Profit 0.00
Travel			$ -	**TOTAL NET COST**	75,413.46
S&S permit drawings			$ -	Selling Price without Bond	75,413.46
Small Tools - Consumable			$ -	1.0%	Bond n/a
Equipment Rental Cost - metering			$ -	Selling Price with Bond	75,413.46
		TOTAL (B)	$ 5,857.33	**"PRICE QUOTED"**	**$75,413.00**

Electric Services, Inc.

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

SUMMARY SHEET

OIA Conduit for Rex Button Replacement

April 23, 2024

Item #	Quantity	Item Name	Material	U	Labor	U	Ext. Material	Ext. Labor
9	2600	EMT 1	265.95	C	0.08	E	6,914.70	201.50
64	260	EMT CONN, COMP IT S 1	72.90	C	0.12	E	189.54	32.24
97	260	EMT COUPLING, COMP S 1	70.20	C	0.10	E	182.52	25.87
208	130	BUSH PLASTIC 1	12.15	C	0.03	E	15.80	4.03
257	22	ERICKSON 1	565.65	C	0.34	E	124.44	7.50
400	260	EMT STRAP 1H 1	16.88	C	0.05	E	43.88	12.09
	8	Appleton 1" Expansion joint XJ100-4	74.49	E	0.25	E	595.92	2.00
	8	Bonding Jumper OZ-G BJ-1520-14	49.29	E	0.15	E	394.32	1.20
400	260	EMT STRAP 1H 1	16.88	C	0.05	E	43.88	12.09
411	190	C200 STRAP 1	121.50	C	0.08	E	230.85	14.73
419	220	B-905 STRUT 1 1/2	415.80	C	0.19	E	914.76	40.92
423	260	B-911 SPRING NUT 3/8	72.90	C	0.08	E	189.54	20.15
432	190	MINI STRAP 1	40.50	C	0.12	E	76.95	23.56
652	50	4 11/16 1	178.24	C	0.29	E	89.12	14.73
654	50	4 11/16 BLANK COVER	53.57	C	0.09	E	26.78	4.65
	5	Uline S-23889 Marking Tape	0.25	E	11.44	E	1.25	57.20
1074	3	PLASTIC TAPE	0.86	E	0.78	E	2.59	2.33
1093	5	FIRECAULK TUBE	16.20	E	1.55	E	81.00	7.75
1104	180	1/4 X 1 1/4 TAPCON	19.53	C	0.09	E	35.16	16.74
1150	700	3/8 ALTHREAD ROD	35.78	C	0.05	E	250.43	32.55
1151	520	3/8 HEX NUTS	3.78	C	0.03	E	19.66	16.12
1152	260	3/8 LOCK WASHER	5.33	C	0.03	E	13.86	8.06
1153	390	3/8 FLAT WASHER	5.40	C	0.03	E	21.06	12.09
1154	60	3/8 ROD COUPLING	30.38	C	0.05	E	18.23	2.79
1155	260	3/8 DROP IN STEEL ANCHOR	51.98	C	0.12	E	135.14	32.24
1156	180	3/8 CAST BEAM CLAMP	492.75	C	0.06	E	886.95	11.16
1157	60	3/8 X 3/4 BOLT	10.13	C	0.03	E	6.08	1.86
1185	3000	PULL STRING	10.80	M	0.47	C	32.40	13.95
	3	MEETINGS & PREPERATION			3.00	E		9.00
	2	GOAA Badging process	100.00	E	7.00	E	200.00	14.00
	1	General Conditions & Misc. Material					645.52	32.75
		TOTAL					$12,382.31	687.84

OAR Capilation Sheet

SCOPE w/new cigna readers AS-3	Costs	GC Mark Up	Sub-Total	Total
CNP credit base scope	$ (4,875.00)	10%	$ (487.50)	$ (5,362.50)
CNP credit CO-01	$ (14,250.00)	10%	$ (1,425.00)	$ (15,675.00)
CNP add Signa Readers + 26 for AS-3	$ 24,482.00	8%	$ 1,958.56	$ 26,440.56
QCCI suppport CNP	$ 3,500.00	10%	$ 350.00	$ 3,850.00
ESI Conduit AS-3	$ 75,977.00	8%	$ 6,078.16	$ 82,055.16
				$ 91,308.22

SCOPE with RK40's	Costs	GC Mark Up	Sub-Total	Total
CNP credit base scope	$ (4,875.00)	10%	$ (487.50)	$ (5,362.50)
CNP credit CO-01	$ (14,250.00)	10%	$ (1,425.00)	$ (15,675.00)
CNP add Signa Readers + 26 for AS-3 (13 doors x 2)	$ -	8%	$ -	$ -
QCCI suppport CNP	$ 3,500.00	10%	$ 350.00	$ 3,850.00
ESI Conduit AS-3	$ 75,977.00	8%	$ 6,078.16	$ 82,055.16
				$ 64,867.66

OAR Summary of Probable Construction Costs
L-00080 MCO ACS/Rex Button Replacement CO-02
8-Jun-24

				Materials		Labor			
Item No.	**Conduit Infrastructure Airside 3**	**Qty**	**Units**	**Unit Cost**	**Material Cost**	**Man hours**	**Unit Cost**	**Labor Cost**	**Subtotals**
1	Established Unit Price with Contractor and ESI of $29 LF. Typical would be $19-20 LF for remodel in existing spaces, but this scope is on the Airside with offices and overhead ceilings difficult to access and the work will be coordinated around Operations and Tenants. Includes conduit, suppports, fittings, pull boxes as needed	2600	LF	$ 4.65	$ 12,090.00	670	$ 43.00	$ 28,810.00	$ 40,900.00
18									
19				Materials	$ 12,090.00	670	Labor	$ 28,810.00	
20				7% Tax	$ 846.30		Burden	$ 12,100.20	
21				Total Mat.	$ 12,936.30		Labor Total	$ 40,910.20	
22	Badging	0	LS	$ -					$ -
23	Mobilization/set up deliveries of materials	1	EA	$ 750.00					$ 750.00
24								Labor and Material Total	$ 54,596.50
27	**QCCI Contractor Support**			**Labor/Misc.**				Contractor Support	$ 32,379.55
28	2 field techs to pull and or terminate wire and assist ESI blended QCCI rate on Airside 3	335	HRS	$ 61.50	$ 20,602.50				$ 86,976.05
29	Superintendant	0	HRS	$ 50.00	$ -			Blended M/U 10%	$ 8,697.61
30	Close-out tech	0	HRS	$ 35.00	$ -				
31	MOT-Adjust barricades as work progresses	0	HRS	$ 35.00	$ -				
32	UON Support/Coordination	1	LS	$ 2,200.00	$ 2,200.00			Grand Total	$ 95,673.66
33	Articulating Boom lift x 2	0	MO	$ 2,263.00	$ -				
34	Phone X 2	0	MO	$ 150.00	$ -				
35	Truck x 2	0	MO	$ 850.00	$ -				
36	Dumpsters/Debris Removal-will use on site exisitng/site clean during operations	0	LS	$ 1,450.00	$ -				
37	Permit	0	LS	$ -	$ -				
38				Labor	$ 22,802.50				
39				Burden 42%	$ 9,577.05				
40				Cont. Support	$ 32,379.55				

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

MEETING MINUTES

DATE: **April 18, 2024**

TO: **Meeting Attendees**

FROM: Don Corthell, Project Manager

MEETING: **Subject:** L-00080 ACS/REX Buttons Replacement
Orlando International Airport
Change Order Discussion

Location: Systems Trailer & Microsoft Teams
11328 Terminal C Service Road, Trailer #13
Orlando, FL 32824

Date: April 22, 2024

Time: 10:00 A.M.

ATTENDANCE

Online	Name	Organization	E-mail
	Don Corthell	PSA Management	dcorthell@psaonline.com
	Becky McKeown	PSA Management	Rebecca.mckeown@goaa.org
	Corey Green	PSA Management	cgreen@psaonline.com
	Dale Race	PSA Management	drace@psaonline.com
	Charles Jefferson	QCCI	charles@qcciflorida.com
Y	Gabriel Del Rio	QCCI	gabriel@qcciflorida.com
Y	Mike Gonzalez	CNP	mgonzalez@cnetpro.net
Y	Will Baez	GOAA	Wildemar.baez@goaa.org
Y	Brian Gilliam	GOAA	bgilliam@goaa.org
Y	Orlando Suero	CNP	ogsuero@cnetpro.net

This Change Order Discussion Meeting was held for Project L-00080 ACS/REX Buttons Replacement, at Orlando International Airport, on April 18, 2024, at 10:00 a.m., in the Systems Trailer Conference Room, 11328 Terminal C Service Road, Trailer # 13, Orlando, FL 32824, and on Microsoft Teams. The following summarizes discussion:

1. INTRODUCTION OF PARTICIPANTS: Mr. Corthell conducted the meeting, and an agenda was presented. Please see the above list of attendees.

2. PURPOSE: Mr. Corthell indicated the purpose of the was to review completed scope and determine what remaining scope could be removed from the project with the desire to take credits for work not completed under base scope and change order 01, and apply these funds, along with approximately $76k that remains within the project budget, and complete Airside 3. Airside 3 was chosen as it is the least complicated of the remaining as it does not have any doors or access associated with CBP spaces.

3. DISCUSSION:

Note-potential credits and or adds seen below are estimates, and until full review by PSA and QCCI, should not be taken as actual. Mr. Corthell requested open discussions as an effort to determine the path forward.

Mr. Corthell and Mr. del Rio agreed that the scope of Airside 2 was complete. There is an ACM board with two bad ports which were pre-existing conditions before the work began that may need to be repaired. These doors have been configured, but the REX buttons remain therefore are secure/compliant until the ACM board is replaced. It is noted that this ACM board was not damaged by the project and is in fact in service but with several ports not functioning.

Credits: Mr. Corthell and Mr. del Rio agreed that there was funding left in the project, and credits for work not completed on Airsides 1 and 4 would be considered in the change order.

Mr. del Rio indicated that labor on the base scope and change order no. 1 would be included in the credits. Materials such as the iStar panel purchased for the project and the additional RK40 card readers would also be turned over. Mr. Corthell requested to review the field credits to ensure that QCCI was properly compensated for the work in the field that was conducted, even though not completed. Mr. del Rio stated that 24 card readers were installed, and the credit will be based on the 29 that were not installed.

Mr. Suero stated that the credit for 26 readers would be roughly $13,000.00. Mr. Corthell asked if this price included additional programming efforts to date, and Mr. Suero stated that additional programming, signal readers, and terminations may be needed. Mr. Corthell stated it would be best to credit out all the card readers on the change order and add back in the agreed upon number.

Mr. Corthell requested pricing for the conduit on Airside 3 and Mr. del Rio stated that the final value is forthcoming from ESI. Some of the conduits were longer and more complicated to run, making it difficult to configure the labor. It was determined that ESI would provide an estimate, but that the work would be conducted via T&M which protects both the contractor and Owner.

Remaining Scope: Mr. Corthell asked if new Signa card readers could be installed on Airside 3 if the remaining budget allowed. Mr. Gilliam inquired as to what was installed on Airside 2. Mr. Corthell replied that RK40's were installed, and 26 of the new style could be installed if the final budget allows.

Mr. Gilliam inquired about refurbishment projects that would take place on Airsides 1 and 3 soon. Mr. Corthell stated that based on a discussion with Mr. Shedek, these card readers would not be included in the refurbishment, as the anticipated scope for AS 1&3 would be architecturally related and would also be in the future. Mr. Gilliam agreed that the new card readers would be acceptable in that case.

Mr. Baez stated that three doors on Airside 2 have not been approved. Mr. Corthell stated that the ACM board with ports that are not operational is the cause and should be repaired in this change order if budget allows. Mr. Baez requested that his team test the repair and let him know as soon as it was complete to schedule this testing.

4. OPEN DISCUSSION:
There were no open discussion items.

The meeting concluded at 10:41 a.m. In the event this document contains any misrepresentation or omission, please notify the author within seven days so that the records may reflect an accurate account of the meeting.

Post meeting, QCCI has provided their anticipated change order which is attached. This change order is under review.

cc: Meeting Attendees
Scott Shedek
Torie Brooks
Christina Taylor
File

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $ 10,477.00**	**Extension Of Time (Subst.):**	**0 Days**
		Extension Of Time (Final):	**0 Days**

CONTRACT NO. & DESCRIPTION:	V-01007 Terminal B Area 4 Level 2 Baggage Handling System (BHS) Roof Repair	DATE: June 18, 2024
CONTRACTOR:	H.W. Davis Construction, Inc.	
A/E:	AECOM	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1: Provide all labor and materials reference RFI 01 to provide approximately 80 square feet of extended 26-gauge galvalume ribbed metal fascia at the roof overhang, and additional 3x3x1/4" HSS vertical steel framing to support the extended fascia. **Add $ 10,477.00**

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

REASON FOR CHANGE:

Item #1: Owner Requested – The newly installed framing and fascia as designed provides adequate protection of the BHS equipment. To provide maximum protection during wind driven rain events, it was decided that extending the fascia down an additional 18-24" would maximize protection. There is sufficient funding for this change.

SOURCE OF FUNDS: Previously approved Operations and Maintenance Funds

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

EXPLAIN:

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

Contractor's Original RCO Submission	$ 13,596.00		
GOAA/OAR Estimate	$ 9,647.00		
(a) Change Contract Amount By		**$**	**10,477.00**
(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)		**$**	**10,477.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00
PREPARED BY: Don Corthell, PSA		PHONE:	407-492-6319

*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	06/06/2024	06/06/2024	YR	Melvin Martinez

CC
ITEM III-F
6/18/2024

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street | Orlando, Florida 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

CHANGE PROPOSAL
COVER SHEET

May 9, 2024

Mr. Don Corthell
Orlando International Airport - GOAA
1 Jeff Fuqua Blvd
Orlando , FL 32827

Project: V-1007
Terminal B Lvl 2 Roof Repair

Proposal #: **1**

Description: **Screen Wall Extension**

Dear Mr. Corthell,
Our proposal to perform the work on the above referenced description is as follows:

				COSTS			
				MATERIAL	LABOR	SUBS	TOTAL
1	COSTS:	From Attached Estimates		-	1,440.00	7,401.64	8,841.64
2	TAX:	Local Sales Tax	6.50%	-	-	-	-
		Labor Burden	41.00%	-	590.40	-	590.40
		Subtotal: Costs & Tax		-	2,030.40	7,401.64	9,432.04
3	FEE:	GC - Material	15.00%	-	-	-	-
		GC - Labor	15.00%	-	304.56	-	304.56
		Subcontractor(s	10.00%	-	-	740.16	740.16
		Subtotal: Cost, Tax & Fee		-	2,334.96	8,141.80	10,476.76
4	BONDS:			-	-	-	-
5	**TOTAL:**			$ -	$ 2,335.00	$ 8,142.00	**$ 10,477.00**

Unless specifically stated, the above pricing does not include any expediting costs. Delays in approval of this proposal could effect the price. Please respond with five (5) working days.

Sincerely,

Pricing Confirmed
Don Corthell, PSA

- Project Manager

Enclosures
Cc: File, Field,

H W DAVIS CONSTRUCTION, INC.
CGC 056985
Building Relationships Since 1985

Proposal Costs

Project:V-1007 Terminal B Lvl2 Roof Repair
V-1007
Terminal B Lvl 2 Roof Repair

Date: May 9, 2024

Proposal No.: 1

Description: Screen Wall Extension

	Description	Quantity	Unit	Material		Labor		Subcontractor	
				Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
1	H W Davis Const. Labor:								
2	Superintendent		MH						
3	Journeyman	24	MH			38	912		
4	Labor	24	MH			22	528		
5									
6	Materials:								
7									
8									
9									
10	Subcontractors:								
11	Anytime Embeds	1	LS					6,464	6,464
12	Southern Paint	1	LS					938	938
13									
14									
	Notes:						1,440		7,402

Proposal

SOUTHERN PAINTING & BLASTING, LLC

175 Anchor Road •Casselberry, FL 32707 • 407-822-1760 • Fax 407-822-1762

May 10, 2024

HW Davis Construction
1212 29th Street
Orlando, FL 32805

Attn: John Glor

Proposal No. X034

RE: V-1007 Screen Wall Additional Steel

WORK PROPOSED AS FOLLOWS:

1. Prepare surfaces in accordance with SSPC-SP-1, Solvent Cleaning.
2. Prepare surfaces in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-SP-3, Power Tool Cleaning.
3. Apply one (1) full prime coat of polyamide epoxy according to manufacturer's recommendations.
4. Apply one (1) stripe coat of polyamide epoxy to all edges and connections according to manufacturer's recommendations.
5. Apply one (1) finish coat of acrylic aliphatic urethane according to manufacturer's recommendations.
6. Price includes providing 1 man lift.
7. Scope includes additional steel added to screen wall.

$937.64

NOTES:

1. Price does not include badging. HW Davis to escort us on the project.
2. Southern Painting & Blasting will perform all work on site.
3. All materials will be stored and applied in accordance with the manufacturer's recommendations.
4. Southern Painting & Blasting is responsible for properly rigging and safety procedures in accordance with OSHA and common industry safety practices.
5. All work is to be done during 3rd shift.

Respectfully submitted,

Craig J. Stempkowski

ACCEPTED. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. . Sales tax may be applicable. You will provide labor and materials and equipment- complete in accordance with above specifications, and subject to conditions found on this agreement and payment terms shall be net thirty days. This proposal may be withdrawn by Southern if not accepted within 90 days.

By: _____ Date of Acceptance: _____

Bid Breakdown

Submitted By: Southern Painting & Blasting, LLC

Date: June 12, 2024
Project Name: V-1007 Screen wall addtl steel
SPB Proposal #: X034
Duration: 1 day

Scope: Prepare surfaces in accordance with SSPC-SP-2, Hand Tool Cleaning and/or SSPC-SP-3, Power Tool Cleaning. Apply one (1) full prime coat of polyamide epoxy. Apply one (1) stripe coat of polyamide epoxy. Apply one (1) finish coat of acrylic aliphatic urethane. Scope includes additional steel added to screen wall per pictures from HW Davis.

Labor Classification	Qty	Total Hours		Hourly Rate		Total
Painter Night	1	8	@	$ 22.50	/hr	$ 180.00
Lead Painter Night	1	8	@	$ 28.00	/hr	$ 224.00
			@		/hr	$ -
			@		/hr	$ -
			@		/hr	$ -
			@		/hr	$ -

Sub-Total Direct Labor: $ 404.00
Direct Labor Burden(42%): $ 169.68
(taxes / insurance)
15% Mark-Up (OH&P): $ 86.05
Total Labor: $ 659.73

Materials	Qty		Unit Price	
SW Macropoxy 646 epoxy kit	1	@	$ 129.42	$ 129.42
SW Acrolon 218 urethane kit	1	@	$ 96.43	$ 96.43
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -

Sub-Total Material: $ 225.85
Sales Tax on Materials: $ 15.81
15% Mark-Up (OH&P): $ 36.25
Total Materials: $ 277.91

Equipment

	Qty		Unit Price	
		@		$ -
		@		$ -
		@		$ -
		@		$ -

Sub-Total Equipment: $ -
15% Mark-Up on Equip: $ 0.00
Total Equipment: $ -

Subcontractors (attach proposals)

$ -

Sub-Total Subcontractors: $ 0
6% Mark-Up on Subs: $ 0
Total Subs: $ 0

Accepted by:

Signature

Printed Name

Company

Sub-Total: $ 937.64
Permits (if applicable) $
Bonds (if applicable) $

Total : $ 937.64

Any Time Embeds, Inc.
Women Business Enterprise
4700 Colony Road
New Smyrna Beach, FL 32168
Phone: (386) 428-3136

TITLE: Change Order #1

PROJECT: C24-028
V-1007 Baggage System Roof Replacement

TO: Attn: John Glor
HW Davis Construction, Inc.
1212 29th St.
Orlando, FL 32805
Phone:407-849-1212 Fax:407-839-4068

PROPOSED CHANGE ORDER
NO. 1
DATE: 05/08/2024
JOB: 5319
CONTRACT/PO: 24001.5100

SUBMITTED:
COMPLETED:
REQUIRED:

DESCRIPTION

Change Order #1 is for the below to fabricated and installed

- Extend the current HSS frame down to match the bottom of the wall oposite of gridline 0.5
- Add a new horizontal Bottom HSS the total length of the frame and new HSS vertical Bracing to match the existing HSS
- Additional ribbed metal wall panel to fill in the new frame area.

Total: $6,464.00

APPROVAL

By: _____ **By:** _____

Date: _____ **Date:** _____

Bid Breakdown

Submitted By: Anytime Embeds inc.

Date:
Project Name: V-1007 Screen wall addtl steel

Labor Classification	Qty	Total Hours		Hourly Rate		Total
Welder/Erector		32	@	$40	/hr	$ 1,280
Shop Labor		16	@	$40	/hr	$ 640
			@		/hr	$ -
			@		/hr	$ -
			@		/hr	$ -
			@		/hr	$ -

Sub-Total Direct Labor: $ 1,920
Direct Labor Burden(42%): $ 806.40
(taxes / insurance)
15% Mark-Up (OH&P): $ 288
Total Labor: $ 3,014.40

Materials	Qty		Unit Price	
Tube steel HSS		@	$	$ 931.78
Metal decking		@	$	$ 558.43
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -
		@		$ -

Sub-Total Material: $ 1,490.21
Sales Tax on Materials: $ 104.31
15% Mark-Up (OH&P): $ 239.18
Total Materials: $ 1,833.70

Equipment

	Qty		Unit Price	
Forklift	1	@	1,124	$ 1,124 -
Scissor Lift	1	@	345	$ 345 -
		@		$ -
		@		$ -

Sub-Total Equipment: $ 1,469 -
15% Mark-Up on Equip: $ 146.90
Total Equipment: $ 1,615.90 -

Subcontractors (attach proposals)

$ -

Sub-Total Subcontractors: $ 0
6% Mark-Up on Subs: $ 0
Total Subs: $ 0

Accepted by:

Signature

Printed Name

Company

Sub-Total: $ 0
Permits (if applicable) $ 0
Bonds (if applicable) $ 0

Total : $ 6,464

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 01	**AMOUNT $ 10,477.00**	**Extension Of Time (Subst.):**	**0**	**Days**
		Extension Of Time (Final):	**0**	**Days**

CONTRACT NO. & DESCRIPTION:	V-01007 Terminal B Area 4 Level 2 Baggage Handling System (BHS) Roof Repair	DATE: June 18, 2024
CONTRACTOR:	H.W. Davis Construction, Inc.	
A/E:	AECOM	

DESCRIPTION OF CHANGE TO CONTRACT:

Item #1: Provide all labor and materials reference RFI 01 to provide approximately 80 square feet of extended 26-gauge galvalume ribbed metal fascia at the roof overhang, and additional 3x3x1/4" HSS vertical steel framing to support the extended fascia. **Add $ 10,477.00**

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

REASON FOR CHANGE:

Item #1: Owner Requested – The newly installed framing and fascia as designed provides adequate protection of the BHS equipment. To provide maximum protection during wind driven rain events, it was decided that extending the fascia down an additional 18-24" would maximize protection. There is sufficient funding for this change.

SOURCE OF FUNDS: Previously approved Operations and Maintenance Funds

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

EXPLAIN:

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

Contractor's Original RCO Submission	$ 13,596.00		
GOAA/OAR Estimate	$ 9,647.00		
(a) Change Contract Amount By		**$**	**10,477.00**
(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)		**$**	**10,477.00**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$	0.00
	Errors	$	0.00

PREPARED BY: Don Corthell, PSA PHONE: 407-492-6319

*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

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street I Orlando, Florida 32805
407-849-1212 I Fax 407-839-4068
www.hwdavis.com

CHANGE PROPOSAL
COVER SHEET

May 9, 2024

Mr. Don Corthell
Orlando International Airport - GOAA
1 Jeff Fuqua Blvd
Orlando , FL 32827

Project: V-1007
Terminal B Lvl 2 Roof Repair

Proposal#: m

Description: **Screen Wall Extension**

Dear Mr. Corthell,
Our proposal to perform the work on the above referenced description is as follows:

				COSTS			
				MATERIAL	LABOR	SUBS	TOTAL
1	COSTS:	From Attached Estimates		-	4,000.00	6,464.00	10,464.00
2	TAX:	Local Sales Ta)(	6.50%	-	-	-	-
		Labor Burden	41.00%	-	1,640.00	-	1,640.00
		Subtotal: Costs & Tax		-	5,640.00	6,464.00	12,104.00
3	FEE:	GC - Material	15.00%	-	-	-	-
		GC - Labor	15.00%	-	846.00	-	846.00
		Subcontractor(i	10.00%	-	-	646.40	646.40
		Subtotal: Cost, Tax & Fee		-	6,486.00	7,110.40	13,596.40
4	BONDS:			-	-	-	-
5	**TOTAL:**			$ -	$ 6,486.00	$ 7,110.00	$ **13,596.00**

Unless specifically stated, the above pricing does not include any expediting costs. Delays in approval of this proposal could effect the price. Please respond with five (5) working days.

Sincerely,

- Project Manager

Enclosures
Cc: File, Field,

Any Time Embeds, Inc.
Women Business Enterprise
4700 Colony Road
New Smyrna Beach, FL 32168
Phone: (386) 428-3136

TITLE: Change Order #1

PROJECT: C24-028
V-1007 Baggage System Roof Replacement

TO: Attn: John Glor
HW Davis Construction, Inc.
1212 29th St.
Orlando, FL 32805
Phone:407-849-1212 Fax:407-839-4068

PROPOSED CHANGE ORDER

NO. 1

DATE: 05/08/2024

JOB: 5319

CONTRACT/PO: 24001.5100

SUBMITTED:

COMPLETED:

REQUIRED:

DESCRIPTION

Change Order #1 is for the below to fabricated and installed

- Extend the current HSS frame down to match the bottom of the wall oposite of gridline 0.5
- Add a new horizontal Bottom HSS the total length of the frame and new HSS vertical Bracing to match the existing HSS
- Additional ribbed metal wall panel to fill in the new frame area.

Total: $6,464.00

APPROVAL

By: _____ **By:** _____

Date: _____ **Date:** _____

OAR Summary of Probable Construction Costs
V-01007 Terminal B Level 2 Roof Repair
6.3.24

				Materials			Labor			
Item No.	**Extended Fascia**	**Qty**	**Units**	**Unit Cost**	**Material Cost**	**Man hours**	**Unit Cost**	**Labor Cost**	**Subtotals**
1	Ribbed aluminum fascia 26-guaged	80	SF	$ 18.00	$ 1,440.00	24	$ 45.00	$ 1,080.00	$ 2,520.00
2	3x3x1/4" HSS Stee; Framing field fab and installation	1	TN	$ 750.00	$ 750.00	46	$ 55.00	$ 2,530.00	$ 3,280.00
3	Paint additional steel (same MOB for base work). Prep/clean steel, prime, paint	4	GA	$ 55.00	$ 220.00	16	$ 40.00	$ 640.00	$ 860.00
4	#12 stranded wire (3 x 50)	0	LF	$ 0.35	$ -	0	$ 40.00	$ -	$ -
5	#6 THHN initial run for voltage drop	0	LF	$ 1.20	$ -	0	$ 40.00	$ -	$ -
21									
22				Materials	$ 2,410.00	86	Labor	$ 4,250.00	
23				7% Tax	$ 168.70		Burden	$ 1,785.00	
24				Total Mat.	$ 2,578.70		Labor Total	$ 6,035.00	
25								**SUBS-Total**	**$ 8,613.70**
26	**ESI - Contractor Support**			**Labor/Misc.**				Total GC Mat. & Labor	$ -
27	Working Foreman 1/2 time	0	HRS	$ 55.00	$ -			Total GC	$ 8,613.70
28	Support personnel - field investigations for drawings, new panel schedules, AED cab walls	0	Hrs	$ 55.00	$ -				
								GC Mark-up 12%	$ 1,033.64
29	Construction Clean-up	0	EA	$ 250.00	$ -				
30	MOT w/traffic on curb	0	LS	$ 450.00	$ -			**Grand Total**	**$ 9,647.34**
31	Phone for forman	0	MO	$ 185.00	$ -				
32	Truck	0	HRS	$ 9.50	$ -				
33	Boom Lift	0	MO	$ 1,100.00	$ -				
34	P&P Bonds	0	LS	$ -	$ -				
35	Engineered Drawings-taxi power (not associated with CO-01 SS docs and permitting	0	LS	$ 1,975.00	$ -				
36	Permit Fees added to existing direct cost per city calculator	0	LS	$ 450.00	$ -				
37				Engeering	$ -				
38				Labor	$ -				
39				Burden 42%	$ -				
40				Equipment	$ -				
41				Total GC	$ -				

HW DAVIS CONSTRUCTION, INC

1212 29th Street Orlando, FL 32805
(407)-849-1212

RFI No. **1**

REQUEST FOR INFORMATION

RFI Subject: V-1007 Screen wall extension

Project: V-1007 Terminal B Area 4 Level 2 Baggage Handling Systems (BHS) Roof Repair

Date:	05/09/24	**Date Requested:**	05/16/24
To:	Don Corthell	**Activity Reflected**	Screen Wall
CC:	Becky McKeown	**Area:**	Exterior
		DRWG/DTL REF:	S2.4.1/SEC-A

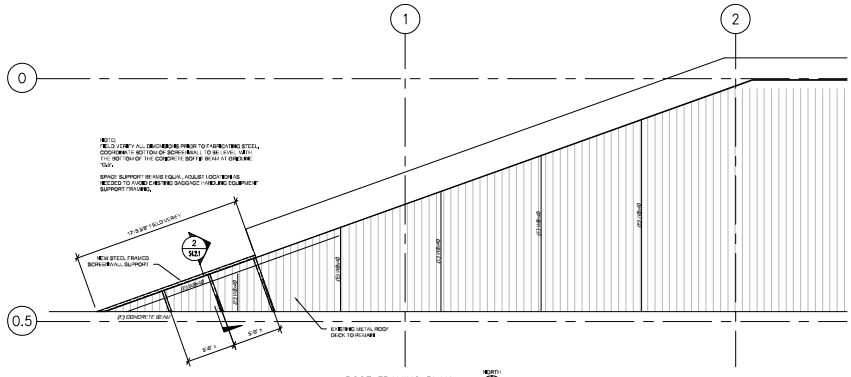
IMPACT TO:

SCHEDULE	**INCREASE BY**		COST	**INCREASE**	
	DECREASE BY			**DECREASE**	
	NO CHANGE	x		**T.B.D**	x

DESCRIPTION:

The drawing shows the bottom of the screen wall at the same elevation as the concrete beam at grid line 0.5 At this elevation the BHS will still be exposed to the elements. We believe it would be more effective to extend the screen wall down to meet the elevation of the adjacent concrete soffit that extends diagonally from grid line 0 shown in photo 1 on drawing S2.4.1

ANSWER:



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



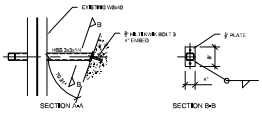
EXISTING METAL DECK ROOF DECK TO BE REMOVED

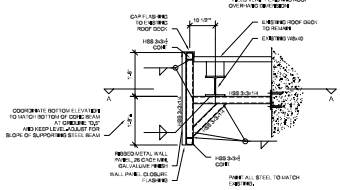
1 PHOTO



CONCRETE SOFFIT BEAM AT GRIDLINE "D4"

2 PHOTO





A SECTION
SCALE: 3/4"=1'-0"

STRUCTURAL DESIGN CRITERIA

CODES / STANDARDS

BUILDING CODE: 2020 FLORIDA BUILDING CODE, 7TH EDITION.

REFERENCED STANDARDS:
- AMERICAN SOCIETY OF CIVIL ENGINEERS – ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- AMERICAN CONCRETE INSTITUTE – ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION – AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
- AMERICAN WELDING SOCIETY – AWS D1.1 2015 STRUCTURAL WELDING CODE.

DEAD LOADS
M.P.& COLLATERAL: 5 PSF

LIVE LOADS
ROOF: 20 PSF

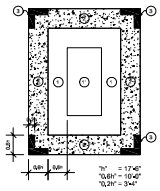
RAIN LOADS
RAIN INTENSITY: 4.3 in/hr

WIND LOADS
RISK CATEGORY: II
ULTIMATE DESIGN WIND SPEED, V_{ult}: 140 MPH
NOMINAL DESIGN WIND SPEED, V_{asd}: 110 MPH
WIND DIRECTIONALITY FACTOR, K_d: 0.85
EXPOSURE CATEGORY: C
ENCLOSURE CLASSIFICATION: OPEN
INTERNAL PRESSURE CONSIDERATION: NA
GC_{pi}: +/-0.18
DESIGN WIND PRESSURES FOR COMPONENTS AND CLADDING: SEE TABLE BELOW

MATERIALS

STRUCTURAL STEEL

STRUCTURAL STEEL (W SHAPES)	ASTM A992
STRUCTURAL STEEL (PLATES, ANGLES, CHANNELS)	ASTM A36
GRADE B HSS (ROUND & RECT)	ASTM A500,
GRADE B PIPE	ASTM A53,
HIGH STRENGTH BOLTS	ASTM A325, 3/4" DIA MIN
WELDING ELECTRODE:	AWS, E70XX EXX
WELDED STUDS	ASTM A108



BASIC WIND SPEED = 140 MPH (ULTS)
BASE PRESSURE (psf) = MZ.KZT.V^2.I (LRFD)

COMPONENTS AND CLADDING WIND PRESSURE (PSF) GROSS (PRESSURE PERPENDICULAR TO ROOF) * ULTIMATE (LRFD)

ZONE	ROOF EFFECTIVE WIND AREA (SQ FT)			
	≤ 10	≤ 50	≤ 100	≥ 500
1	-109.7	-93.1	-84.8	-69.3
2	-143.4	-120.9	-110.8	-91.4
3	-189.3	-159.7	-134.7	-91.4
Positive All Zones	37.8	33.7	27.6	27.6
4	-69.3	-69.3	-69.4	-69.3
5	-93.3	-78.7	-66.4	-45.1

COMPONENTS AND CLADDING WIND PRESSURE (PSF) GROSS (FOR WINDOWS AND WALLS) - ULTIMATE (LRFD)

ZONE	WALL EFFECTIVE WIND AREA (SQ FT)			
	≤ 10	≤ 100	≥ 200	≥ 500
4	-97.7	-89.6	-85.7	-69.1
5	-85.3	-81.8	-69.4	-69.1
Positive All Zones	65.5	63.2	60.0	49.8

NOTES:
1. ZONE "a" IS DEFINED AS FROM CORNERS OF BUILDING AND IS SHOWN ON WALL DIAGRAMS.
2. WIND LOADS ARE NOMINAL DESIGN SERVICE PRESSURES ACTING TOWARDS AND AWAY FROM THE BUILDING SURFACES, RESPECTIVELY.
3. ULTIMATE DESIGN AREA BETWEEN VALUES GIVEN MAY BE INTERPOLATED. IF NO VALUES ARE GIVEN, THE LOWER EFFECTIVE AREA SHALL BE USED.
4. PRESSURES LISTED UNDER ULTIMATE (LRFD) ARE ULTIMATE (LRFD) OBTAIN SERVICE VALUES(ASD) BY MULTIPLYING ULTIMATE VALUES BY 0.6. USE SERVICE VALUES (ASD) FOR WIND RESISTANCE TESTING COMPARISONS.

COMPONENT & CLADDING WIND PRESSURES, (ULTIMATE VALUES)

GENERAL NOTES

VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING COMMENCING WORK. NOTIFY THE END OF ANY DISCREPANCIES OR INCONSISTENCIES.

DO NOT SCALE DRAWINGS.

DETAILS INDICATE REQUIRED CONSTRUCTION AT SPECIFIC LOCATIONS. FOR LOCATIONS NOT SPECIFICALLY DETAILED, USE SIMILAR CONSTRUCTION TO THE MOST APPROPRIATE DETAIL.

NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD.

NO CHANGES IN CONSTRUCTION FROM THAT SHOWN IN THE SHOP DRAWINGS SHALL BE MADE BY THE ENDS SHALL BE MADE WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE ENGINEER OF RECORD.

SUBMITTALS SHALL CONFORM TO REQUIREMENTS OF CONTRACT DOCUMENTS, AND SHALL BE CHECKED AND MARKED APPROVED BY CONTRACTOR PRIOR TO SUBMITTAL. NONCONFORMING SUBMITTALS SHALL BE RETURNED WITHOUT REVIEW.

SHOP DRAWINGS SHALL NOT BE REPRINTS OF CONTRACT DOCUMENTS.

STRUCTURAL STEEL

DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH THE AISC SPECIFICATIONS AND CODES, AMERICAN COMPANIES.

PERFORM ALL WELDING USING CERTIFIED WELDERS AND IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - STEEL", APPROVABLE EDITION. COMPLY WITH AISC SPECIFICATION SECTION J2 FOR MINIMUM FILLET WELD SIZE UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

SUBMIT CHECKED SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SHOW SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL. COORDINATE SUBMISSIONS TO ALLOW ADEQUATE TIME FOR REVIEW PRIOR TO FABRICATION.

AFTER FABRICATION, CLEAN STEEL OF ALL RUST, LOOSE MILL SCALE, DIRT, OIL, GREASE OR OTHER FOREIGN MATERIALS.

DO NOT FIELD CUT ANY STRUCTURAL STEEL WITHOUT THE PRIOR REVIEW AND ACCEPTANCE OF THE ENGINEER.

ERECTION PROCEDURES, SEQUENCES AND COORDINATION OF WORK WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR.

ALL STEEL SHALL BE HOT-DIP GALVANIZED OR OTHERWISE PROTECTED.

PROVIDE NEW MATERIAL CONFORMING TO THE REQUIREMENTS SPECIFIED UNDER "DESIGN CRITERIA".

ALL FILLET WELDS TO BE 1/4" MINIMUM, UNLESS OTHERWISE NOTED.

GREATER ORLANDO AVIATION AUTHORITY

V-01007

TERMINAL B AREA 4 LEVEL 2 BAGGAGE HANDLING SYSTEM (BHS) ROOF REPAIR

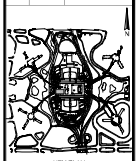
ORLANDO INTERNATIONAL AIRPORT

AECOM TECHNICAL SERVICES, INC.
7650 W. COURTNEY CAMPBELL CSWY
TAMPA, FLORIDA 33607
PHONE: 813.286.1711
FOR THIS TBP: 28815

DANIEL M. COUGHLIN
FL, PE, NO. 66619

REVISIONS

1	9/27/2023	100% DOCUMENTS
2	01/25/2024	BID DOCUMENTS



KEY PLAN

PROJECT NO.:	60717564
DESIGNED BY:	DMC
DRAWN BY:	DMC
CHECKED BY:	SDF
ISSUE DATE:	09/27/2023
DRAWING SCALE:	AS NOTED

DRAWING TITLE:

STRUCTURAL DESIGN CRITERIA ROOF MODIFICATION DETAILS

DRAWING NO.

S2.4.1

Date: Oct 04, 2023 - Time: 11:08 am - Plotted By: dcoughlin
Drawing Path: C:\Civil\Projects\V-01007 GAI Roof Modification\Drawings\S2.4.1 Structural Design Criteria Roof Modification Details.dwg


Bring screen wall down to this elevation.
DO NOT
ENTER


Approx. 2ft
between steel and
BHS.

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

CHANGE ORDER AGENDA
FOR CONSTRUCTION COMMITTEE

CHANGE ORDER NO. 5	AMOUNT $103,189.45	Extension Of Time (Subst.): 0 Days Extension Of Time (Final): 0 Days

CONTRACT NO. & DESCRIPTION:	V-01011 – Airside 4 60's Wing Renovations (D/B)	DATE: 6/18/2024
CONTRACTOR:	Gomez Construction Company	
A/E:	N/A	

DESCRIPTION OF CHANGE TO CONTRACT:

Provide all labor, equipment, and materials to repair the roof leaks within the 60's Wing Hold Room area. Repairs shall include but not be limited to:

- Exterior Vertical Form & Pour Concrete Repairs
- Exterior Full Sealant Replacement
- Exterior Stucco Clad Wall Coating
- Exterior Pressure Wash & Sealer Applications
- Top Deck Partial Depth Concrete Repairs
- Top Deck Sealant & Penetration Replacement
- Top Deck Epoxy Injection
- Top Deck Coating Removal & Replacement (Carrying up to a 20-Year Warranty)
- Water Intrusion Testing
- Roof and Platform Leak Repairs matching the same materials as the current roof.
- Repairs to Exterior Stucco
- Site Clean Up

ADD: $103,189.45

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

REASON FOR CHANGE:

Unforeseen Condition – During the design phase of the project, it was discovered that the ceiling of the 60's wing hold room was leaking. To start the renovations of the 60's wing, the leak needs to be identified and repaired. Investigations are still being performed as to the full extent of the leaks, which those repairs will be addressed in a subsequent change order. This item compensates the contractor for making roof repairs within the 60's wing hold room.

SOURCE OF FUNDS: Previously approved Capital Expenditure Funds (CapEx)

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	$ 110,115.56	
GOAA/OAR Estimate	$ 108,421.17	
(a) Change Contract Amount By		$ 103,189.45
(b) Amount of Associated Additional A/E Fees	(Not for Approval / For Info. Only)	$
(c) Amount of Associated Additional OAR Fees	(Not for Approval / For Info. Only)	$

CC
ITEM III-G
6/18/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

(d) Total Cost Impact of this Change (d = a + b + c)		**$ 103,189.45**
Is there any potential backcharge to the A/E? Yes ☐ No ☒	Omissions	$ 0.00
	Errors	$ 0.00
PREPARED BY: Nils Johnson, Chace Construction Services		PHONE: X1444

*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	6/04/2024	6/11/2024	ZTG	Melvin Martinez

WORK SHEET - PRICING CONFIRMATION

Change Order No.5
Item No.1

Pricing Summary
V-01011 - Airside 4 60's Wing Renovations (D/B)
Roof Repairs 60's Wing Hold Room

5/7/2024

Description	Unit	Contractors Base Bid Pricing Add Qty	Deduct Qty	Unit Price	Amount	Unit	OAR Estimate Add Qty	Deduct Qty	Unit Price	Amount	Unit	Final Change Order Cost Add Qty	Deduct Qty	Unit Price	Amount
Gomez Construction Company															
Materials	Lpsm	0.00	-	-	$ -	Lpsm	0.00			$ -	Lpsm	0.00	-	-	$ -
Labor	Lpsm	1.00		6,024.00	$ 6,024.00	Lpsm	0.00		-	$ -	Lpsm	1.00		2,048.00	$ 2,048.00
Equipment	Lpsm	1.00		1,775.00	$ 1,775.00	Lpsm	0.00			$ -	Lpsm	1.00		1,775.00	$ 1,775.00
Insurance	Lpsm	0.00		-	$ -	Lpsm	0.00		-	$ -	Lpsm	0.00		-	$ -
Permit	Lpsm	0.00		-	$ -	Lpsm	0.00				Lpsm	0.00		-	$ -
OAR Estimate						Lpsm	1.0	-	7,799.00	$ 7,799.00	Lpsm				
Total:					$ 7,799.00					$ 7,799.00					$ 3,823.00
G.C. Subtotal					**$ 7,799.00**					**$ 7,799.00**					**$ 3,823.00**
Subcontractors															
Modern Containment	Lpsm	-	-	-	$ -	Lpsm	-		-	$ -	Lpsm	-	-	-	$ -
Senaia International	Lpsm	-		-	$ -	Lpsm					Lpsm	-		-	$ -
Towers	Lpsm	-		-	$ -						Lpsm	-		-	$ -
Blankenship	Lpsm	-		-	$ -						Lpsm	-		-	$ -
Western Specialty	Lpsm	1.0		86,371.00	$ 86,371.00							1.0		84,001.50	$ 84,001.50
P&A Roofing	Lpsm	1.0		7,500.00	$ 7,500.00							1.0		7,473.50	$ 7,473.50
OAR Estimate	Lpsm	-		-	$ -	Lpsm	1.0		92,085.48	$ 92,085.48	Lpsm	-		-	$ -
Subcontractor Mark-up		0.00%			$ -		0.00%			$ -		0.00%			$ -
Total:					$ 93,871.00					$ 92,085.48					$ 91,475.00
Sub Contractor Subtotal					**$ 93,871.00**					**$ 92,085.48**					**$ 91,475.00**
Subtotal					**$ 101,670.00**					**$ 99,884.48**					**$ 95,298.00**
Sub-Contractor Mark Up		8.00%			**$ 7,509.68**		8.00%			**$ 7,366.84**		8.00%			**$ 7,318.00**
G.C. Mark up on self performed work		12.00%			**$ 935.88**		15.00%			**$ 1,169.85**		15.00%			**$ 573.45**
Grand Total					**$ 110,115.56**					**$ 108,421.17**					**$ 103,189.45**

CHACE CONSTRUCTION SERVICES

Estimate Summary
V-01011 - Airside 4 60's Wing Renovations (D/B)
Roof Repairs

Description	Quantity	Unit	Material	Labor	Equipment	Cost
Top Deck Coating Removal and Replacement	1300	S.F.	$28.32	$10.25	$5.98	$57,915.00
Top Deck Epoxy Injection	200	L.F.	$21.23	$6.84	$1.58	$5,930.00
Top Deck Sealant and Penetrations	174	L.F.	$8.45	$6.84	$0.78	$2,796.18
Pressure Wash and Sealer	1180	S.F.	$2.98	$2.45	$1.67	$8,378.00
Flashing Repairs	1	L.S.	$1,000.00	$1,200.00	$0.00	$2,200.00
Water Testing	1	L.S.	$0.00	$1,000.00	$500.00	$1,500.00
Roof Repairs	1	L.S.	$750.00	$2,500.00	$250.00	$3,500.00
Sub-Contractor Mark-up	12%	L.S.	$9,866.30	$0.00	$0.00	$9,866.30
Direct Cost of Work						**$92,085.48**
Prime Superintendent	80	M.H.	$0.00	$49.70	$0.00	$3,976.00
Support Labor	80	M.H.	$0.00	$25.60	$0.00	$2,048.00
Prime Vehicle	4	WK	$0.00	$0.00	$200.00	$800.00
Prime Telephone	4	WK	$0.00	$0.00	$125.00	$500.00
Dumpster	1	EA	$0.00	$0.00	$475.00	$475.00
Prime Mark-up on Self-Performed Work	15%	L.S.	$1,169.85	$0.00	$0.00	$1,169.85
Prime Mark-up on Sub-Contractor	8%	L.S.	$7,366.84	0	0	$7,366.84

Grand Total: **$108,421.17**

SHACE CONSTRUCTION SERVICES

Gomez Construction Company
750 Jackson Avenue
Winter Park, Florida 32789
407-628-4353 phone
407-645-2499 fax

Option 1 - Tremco EWS PUMA system (PMMA System)

4/22/2024

V-01011 AS4 60s Wing Renvoations COR #7

Summary of Work Included:

Repair of Exterior Concrete deck and walls as required to stop existing leaks
Removal and replacement of all exterior joint sealants at vertical horizontal surfaces
Repair of exterior stucco wall above window
Pressure washing and sealing of precast panels
Epoxy Injection on top deck for all full depth cracks in deck above interior space
Removal of existing framing/steel as needed to allow access to bottom side of deck for epoxy injection
Top Deck Coating (PMMA System)
Mod Bit Roof and flashing repairs as needed
GCC Supervision and labor as needed for moving/relocating existing planters
MOT and supervision of AOA area during all work
Total duration anticipated: 6 weeks or 42 Calendar days.
All work assumed to be after hours

Code	Description of the Item	Est. QTY	Unit	Unit Cost	Total Cost	Subcontractor / Supplier
1000	GCC Project Support Equipment	1	LS	1,775.00	$ 1,775.00	GCC
1220	GCC Labor Support	1	LS	2,048.00	$ 2,048.00	GCC
1230	Project Manager	1	LS	0.00	$ -	GCC
1231	~~GCC Superintendent~~	~~1~~	~~LS~~	~~3,976.00~~	~~$ 3,976.00~~	~~GCC~~
1017		1	ea	0.00	$ -	United Rental
		1	LS	0.00	$ -	
	GCC Subtotal				~~$ 7,799.00~~	3,823.00
	GCC Mark-Up	~~12%~~ 15%			~~$ 935.88~~	573.45
	TOTAL GCC				**~~$ 8,734.88~~**	4,396.45
	Scope of work					
1	Exterior Vertical Form and Pour Concrete Repairs	1	LS	$ 3,060.00	$ 3,060.00	Western Specialty
2	Exterior Full Sealant Replacement	1	LS	$ 4,549.00	$ 4,549.00	Western Specialty
3	Exterior Stucco Repairs	1	LS	$ 996.00	$ 996.00	Western Specialty
4	Exterior Pressure Wash and Sealer	1	LS	$ 2,513.00	$ 2,513.00	Western Specialty
5	Top Deck Partial Depth Concrete Repair	1	LS	$ 1,697.00	$ 1,697.00	Western Specialty
6	Top Deck Sealant and Penetration Replacement	1	LS	$ 2,157.00	$ 2,157.00	Western Specialty
6	Top Deck Full Depth Concrete Repair-Epoxy Inject.	1	LS	$ 5,018.00	$ 5,018.00	Western Specialty
7	Top Deck Coating Removal and Replacement (PMMA)	1	LS	$ 56,005.00	$ 56,005.00	Western Specialty
8	Western General Conditions/Equipment	1	LS	$ 10,376.00	$ 10,376.00	Western Specialty
9	Mod bit Roof/flashing repairs	1	LS	$ ~~7,500.00~~	$ ~~7,500.00~~	P&A
10		1	LS	$ -	$ 7,473.50	84,001.50
11		1	LS	$ -	$ -	
12		1	LS	$ -	$ -	
	Subtotal Subcontractors				~~$ 93,871.00~~	91,475.00
	GCC Mark-Up	8%			~~$ 7,509.68~~	7,318.00
	Total Subcontractors				**~~$ 101,380.68~~**	98,793.00
	Subtotal GCC & Subcontractors				~~$ 110,115.56~~	103,189.45
	Bond Adjusted in Final Change Order				$ -	Adjusted in Final CO
	Grand Total Building Costs with Allowances				**~~$ 110,115.56~~**	103,189.45

Notes
1 Work to take 30 days (weather permitting)
2
3

	MWBE/LDB Subcontractors	% of Contract	Subcontract Amount
1		9.42%	$ 10,376.00
2		6.81%	$ 7,500.00
3		50.86%	$ 56,005.00
	Total Amount MWBE Subcontractors	67.09%	$ 73,881.00

	GCC Project Support				
~~01231~~	~~GCC Superintendent~~	~~80 hrs~~	~~49.70~~	~~$~~	~~3,976.00~~
1230	GCC Project Manager	0 WKS	2,800.00	$	-
01220	GCC Labor Support	2 WKS	1,024.00	$	2,048.00
	GCC Project Support Equipment				
01234	Truck	1 MO	800.00	$	800.00
01514	Telephone	1 MO	500.00	$	500.00
1518	Temp Toilet	0 MO	250.00	$	-
01720	Cleaning and temporary protection	0 days	300.00	$	-
01732	Dumpsters	1 EA	475.00	$	475.00
			Total	$	1,775.00

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SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

PROPOSAL/CONTRACT

Peter Alvarez
GOMEZ CONSTRUCTION CO.
750 Jackson Avenue
Winter Park, FL, 32789

April 17, 2024

- Concrete Restoration
- Masonry Restoration
- Stadium Restoration
- Balcony Restoration
- Plaza Restoration
- EIFS Restoration
- Historic Restoration
- Wall Coating
- Caulking & Sealants
- Deck Coating
- Planter Waterproofing
- Below Grade
- Stone Cleaning & Restoration
- Tuckpointing
- Epoxy Flooring
- Cementituous Coating
- Post Tendon Repair
- Barrier Tendon Repair
- Expansion Joint Restoration
- Carbon Fiber
- Epoxy Injection

WE (Western) HAVE PREPARED A PROPOSAL FOR: ***OIA V-1011 Airside 4***

SCOPE OF WORK: We propose to furnish and install all necessary labor, materials, equipment, supervision, and insurance, as shown on the attached insurance addendum, to complete the following:



1. **Exterior Vertical Form & Pour Concrete Repairs (10 Square Feet):**
   - The deteriorated structural members will be sound to determine the limits of deterioration and marked accordingly. Chipping hammers will be used to remove the deteriorated concrete back to sound concrete or a maximum depth of 2 inches. If more than half of the reinforcing bar diameter is exposed, the concrete will be chipped back approximately ¾" behind the reinforcing steel.
   - After the areas have been chipped the steel will be cleaned to remove the rust and then coated with a rust inhibitor and/or bonding agent. These areas will then be hand patched or formed and patched back with bag mix repair mortar. The configuration of the patch will match the existing as close as possible.

$3,060.00

WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

Concrete Restoration

Masonry Restoration

Stadium Restoration

Balcony Restoration

Plaza Restoration

EIFS Restoration

Historic Restoration

Wall Coating

Caulking & Sealants

Deck Coating

Planter Waterproofing

Below Grade

Stone Cleaning & Restoration

Tuckpointing

Epoxy Flooring

Cementituous Coating

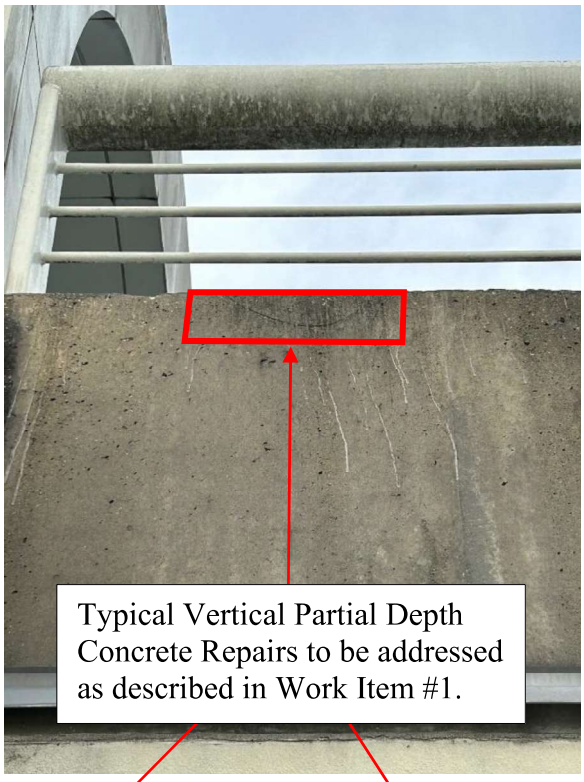
Post Tendon Repair

Barrier Tendon Repair

Expansion Joint Restoration

Carbon Fiber

Epoxy Injection







2. **Exterior Full Sealant Replacement (352 Lineal Feet):**
   - We will remove approximately 352 lineal feet of existing sealant, lightly abrade the joint edges to remove loose residual sealant and place a new single component sealant. The sealant color will be as chosen from the manufacturer's standard color chart. Primers will be used as directed by the product manufacturer based on substrate type.
     - The following joint sealants have been included:
       - Window Perimeters
       - Vertical/Horizontal Control Joints
       - Glass to Glass
       - Metal to Metal
       - Route & Seal of Stucco Cracks

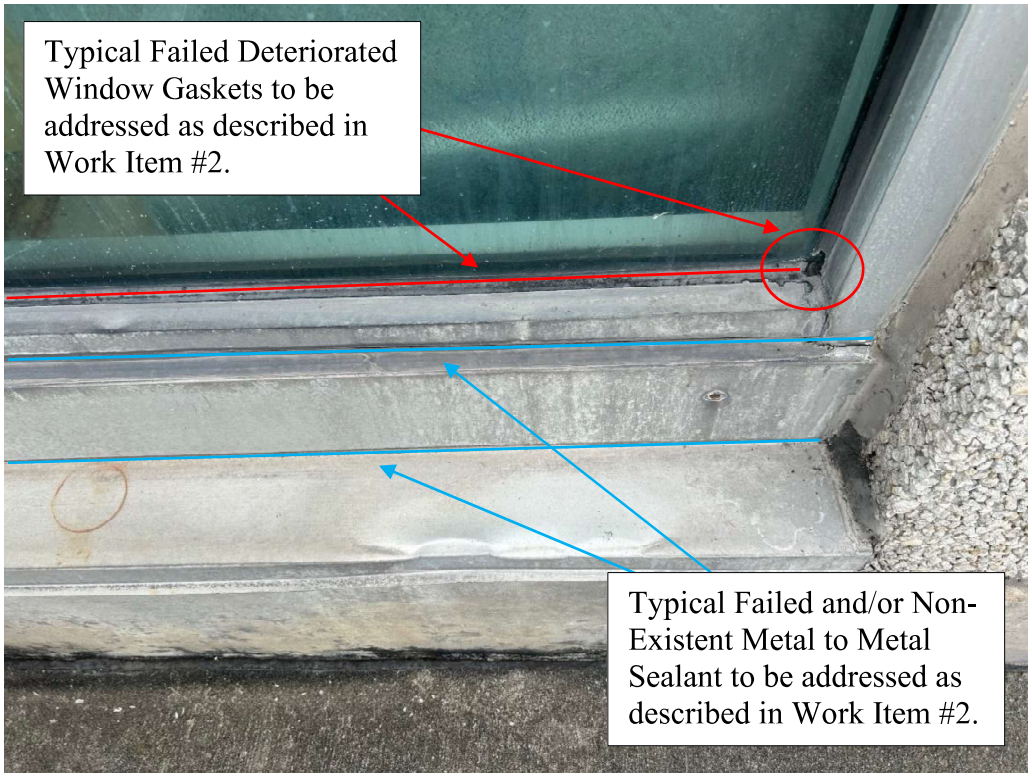
$4,549.00

WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

- Concrete Restoration
- Masonry Restoration
- Stadium Restoration
- Balcony Restoration
- Plaza Restoration
- EIFS Restoration
- Historic Restoration
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- Tuckpointing
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- Cementituous Coating
- Post Tendon Repair
- Barrier Tendon Repair
- Expansion Joint Restoration
- Carbon Fiber
- Epoxy Injection



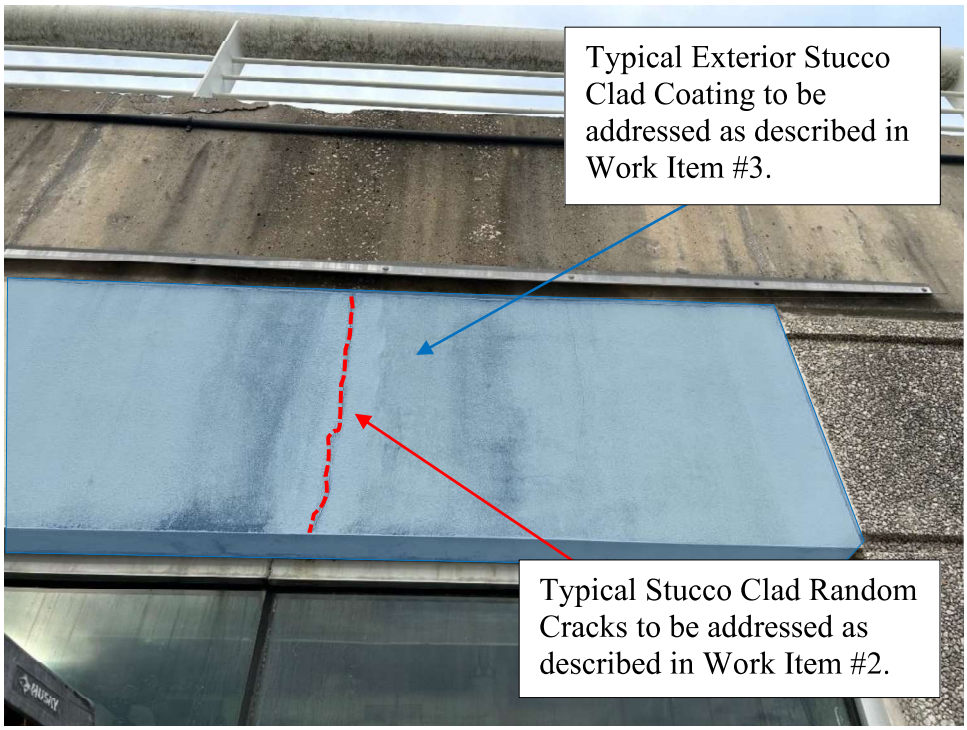


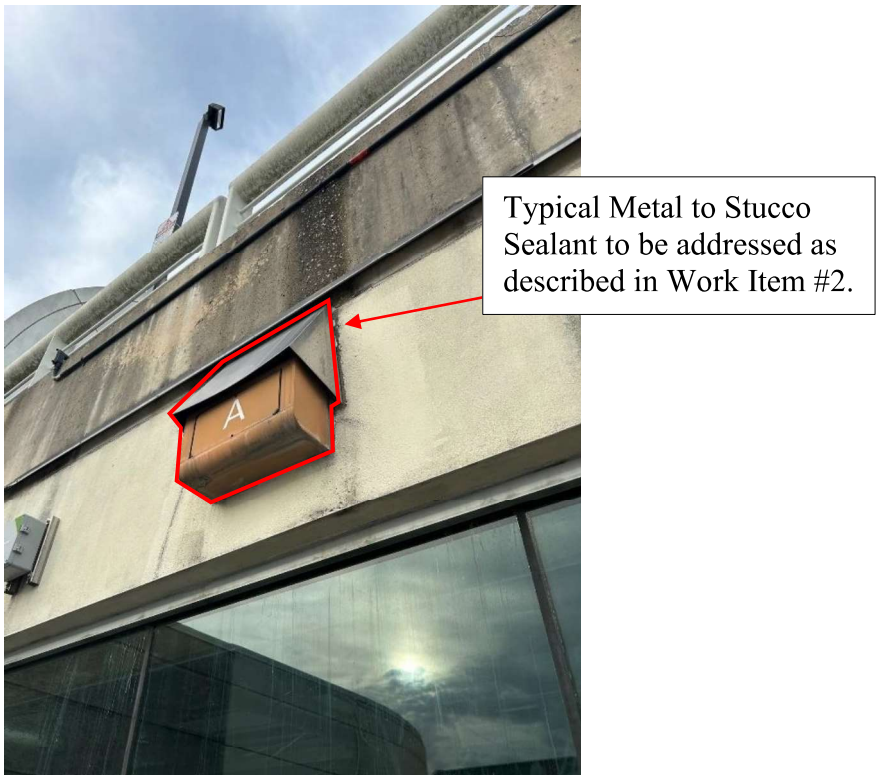
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CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

- Concrete Restoration
- Masonry Restoration
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- Carbon Fiber
- Epoxy Injection



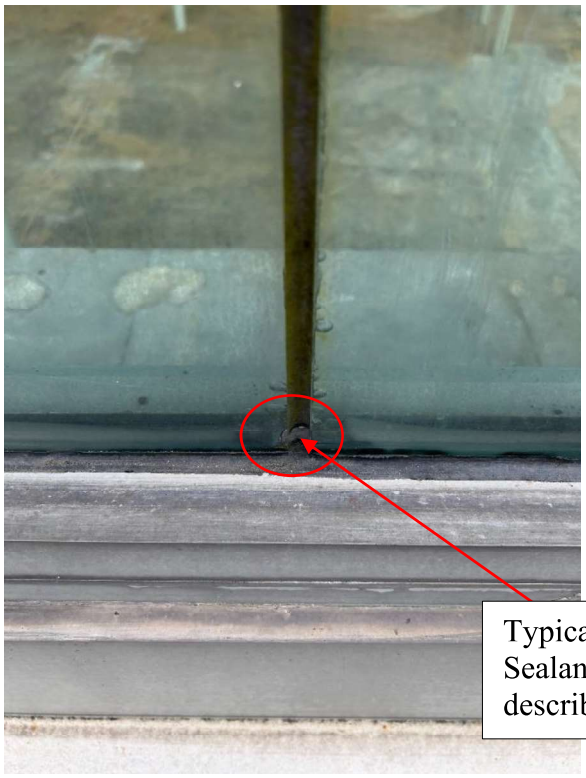


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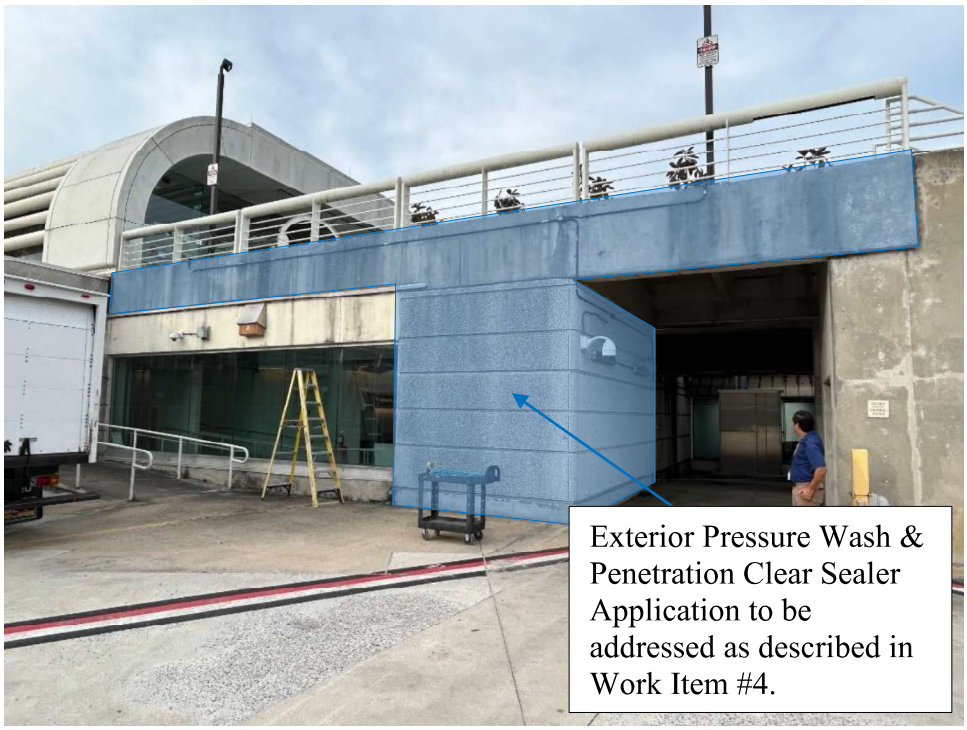
WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN 1915 2015

- Concrete Restoration
- Masonry Restoration
- Stadium Restoration
- Balcony Restoration
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Typical Glass to Glass Sealant to be addressed as described in Work Item #2.



Exterior Pressure Wash & Penetration Clear Sealer Application to be addressed as described in Work Item #4.

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3. **Exterior Stucco Clad Wall Coating (90 Square Feet):**
   - SURFACE PREPARATION: Stucco surfaces shall be cleaned using high pressure water (minimum 3,000 psi pressure washer shall be utilized). A test sample may be required to determine if adequate cleaning results are obtained.
   - WALL COATING: Approximately 90 square feet of substrate will be coated with 2 coats of Sherwin Williams Loxon XP elastomeric coating. The coating will be scrubbed in using a brush to force the product into the pores of the substrate. The coating will be applied at approximately 90-100 square feet per gallon and/or according to the manufacturer's recommendations. A color sample will be selected from standard colors and a sample will be approved by the owner prior to the start of our work.

$996.00

4. **Exterior Pressure Wash & Sealer Application (828 Square Feet):**
   - SURFACE PREPARATION: Concrete surfaces shall be cleaned using high pressure water (minimum 3,000 psi pressure washer shall be utilized). A test sample may be required to determine if adequate cleaning results are obtained.
   - CLEAR SILANE SEALER: Approximately 828 square feet of concrete substrate will be sealed with MasterProtect H440 VT silane sealer. The silane sealer will be applied at approximately 100-150 square feet per gallon and/or according to the manufacturer's specifications. The silane sealer will not etch or stain the glass, metal frames or paint. Therefore, window protection will not be required.

$2,513.00

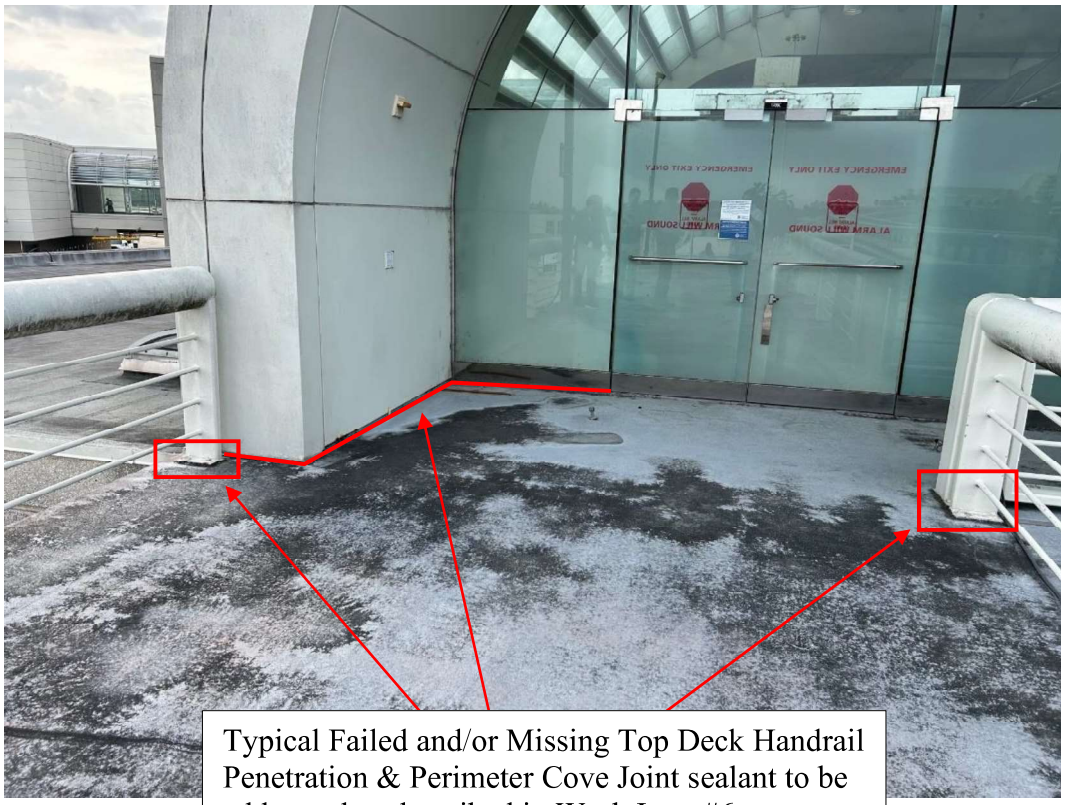
5. **Top Deck Partial Depth Concrete Repair (Allowance 10 Square Feet) :**
   - The deteriorated concrete will be sound and marked for removal. The perimeter of the deteriorated areas will be saw cut and the deteriorated concrete chipped out with chipping hammers. These areas will then be formed and patched back with bag mix repair mortar. The configuration of the patch will match the existing as close as possible.

$1,697.00

WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

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- Cementituous Coating
- Post Tendon Repair
- Barrier Tendon Repair
- Expansion Joint Restoration
- Carbon Fiber
- Epoxy Injection



Typical Failed and/or Missing Top Deck Handrail Penetration & Perimeter Cove Joint sealant to be addressed as described in Work Item #6.

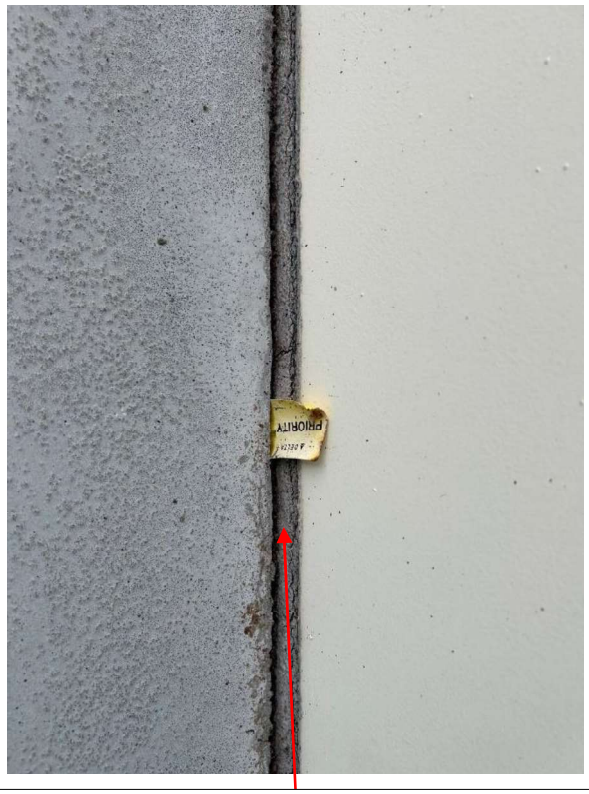


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WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

- Concrete Restoration
- Masonry Restoration
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- Barrier Tendon Repair
- Expansion Joint Restoration
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- Epoxy Injection



Typical Failed and/or Missing Top Deck Handrail Penetration & Perimeter Cove Joint sealant to be addressed as described in Work Item #6.



Concrete Spall to be addressed as described in Work Item #1.

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6. **Top Deck Sealant & Penetration Replacement (174 Lineal Feet):**
   - We will remove approximately 174 lineal feet of existing sealant, lightly abrade the joint edges to remove loose residual sealant and place a new single component sealant. The sealant color will be as chosen from the manufacturer's standard color chart. Primers will be used as directed by the product manufacturer based on substrate type.
     - The following joint sealants have been included:
       - Perimeter Cove Joint Sealant
       - Route & Seal of Cracks
       - Handrail Penetrations

$2,157.00



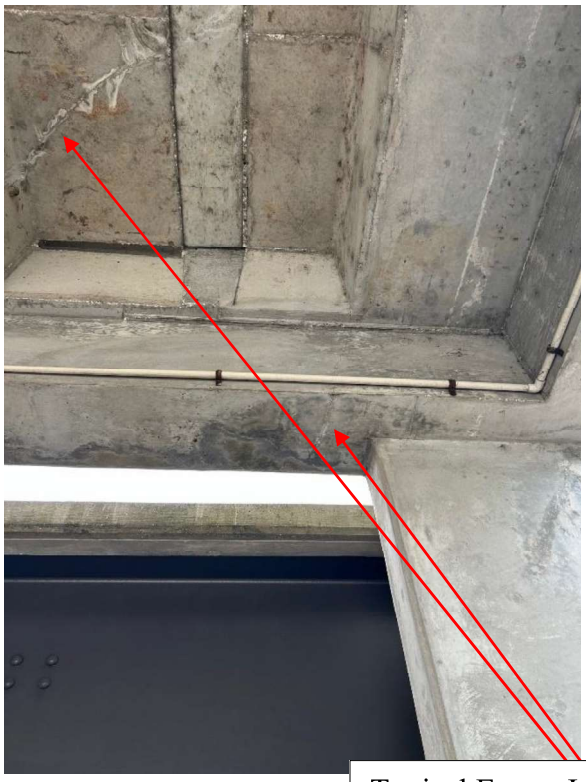


Typical Epoxy Injection/Gravity Feed to be addressed as described in Work Item #7.

WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN 1915 2015

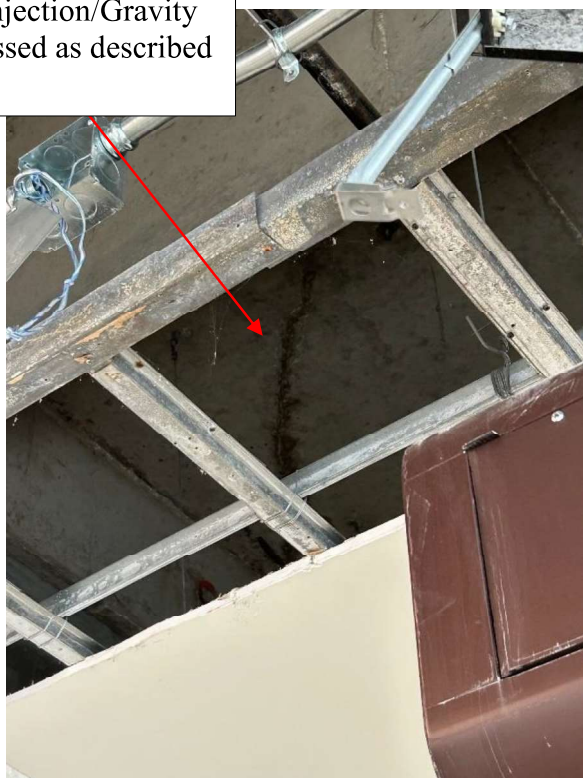
- Concrete Restoration
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- Barrier Tendon Repair
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- Carbon Fiber
- Epoxy Injection





Typical Epoxy Injection/Gravity Feed to be addressed as described in Work Item #7.





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WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

Concrete Restoration

Masonry Restoration

Stadium Restoration

Balcony Restoration

Plaza Restoration

EIFS Restoration

Historic Restoration

Wall Coating

Caulking & Sealants

Deck Coating

Planter Waterproofing

Below Grade

Stone Cleaning & Restoration

Tuckpointing

Epoxy Flooring

Cementituous Coating

Post Tendon Repair

Barrier Tendon Repair

Expansion Joint Restoration

Carbon Fiber

Epoxy Injection



Typical Epoxy Injection/Gravity Feed to be addressed as described in Work Item #7.

7. **Top Deck Epoxy Injection :**
   - Existing cracks protruding full depth through concrete deck shall be routed/widen to accommodate gravity feeding a dual component Sika 52 epoxy resin. Prior to gravity feeding, the underside cracks shall be cleaned and over banded with a dual component epoxy paste.
   - Existing cracks shown on exterior underside surface and interior underside surface.
   - Cracks shown on underside of interior surface will require steel framing to be removed in order to overband/plug cracks prior to gravity feeding.
   - Steel framing to be removed by others.

$5,018.00

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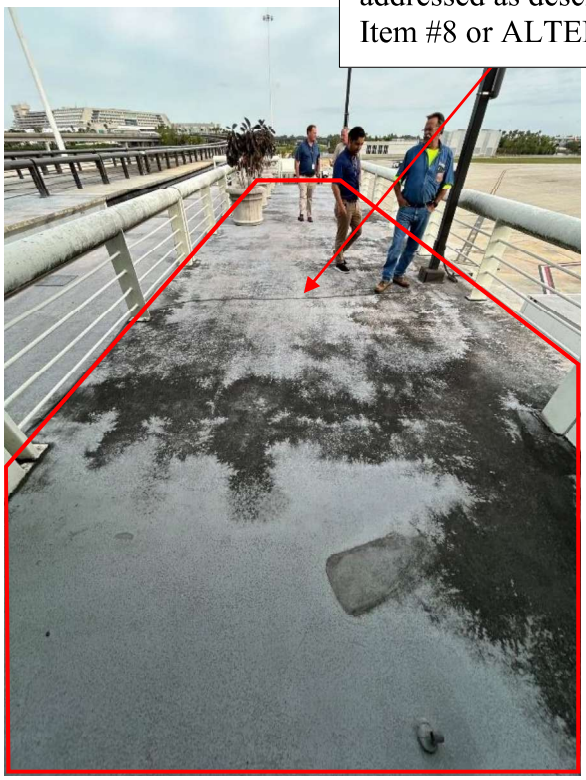
WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN 1915 2015

- Concrete Restoration
- Masonry Restoration
- Stadium Restoration
- Balcony Restoration
- Plaza Restoration
- EIFS Restoration
- Historic Restoration
- Wall Coating
- Caulking & Sealants
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- Tuckpointing
- Epoxy Flooring
- Cementituous Coating
- Post Tendon Repair
- Barrier Tendon Repair
- Expansion Joint Restoration
- Carbon Fiber
- Epoxy Injection



Typical Failed Deck Coating to be addressed as described in Work Item #8 or ALTERNATE Item #10.





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Concrete Restoration
Masonry Restoration
Stadium Restoration
Balcony Restoration
Plaza Restoration
EIFS Restoration
Historic Restoration
Wall Coating
Caulking & Sealants
Deck Coating
Planter Waterproofing
Below Grade
Stone Cleaning & Restoration
Tuckpointing
Epoxy Flooring
Cementituous Coating
Post Tendon Repair
Barrier Tendon Repair
Expansion Joint Restoration
Carbon Fiber
Epoxy Injection

8. **Top Deck- Deck Coating Removal & Replacement (PMMA System 1,260 Square Feet) :**
   - SURFACE PREPARATION:
     - Existing Deck Coating Membrane shall be removed by mechanical means. Once removed the concrete surfaces shall be shot blasted to remove any dirt, debris, contaminants required by the coating manufacturer.
   - Prior to application of Tremco Vulkem EWS PUMA System, the above referenced work items shall be completed.
   - The system will consist of Tremco PUMA primer, Tremco PUMA BC, Tremco PUMA WC, & Tremco PUMA TC.
     - A 16-30 Mesh Silica Sand/Aggregate will be broadcasted into the intermediate coat to refusal. After the intermediate coat cures, the loose aggregate will then be removed.
   - Once the intermediate coat has cured and the loose aggregate has been removed, a Tremco PUMA TC will be installed. The system will be installed according to the manufacturer's recommendations. Aggregate loading may vary with system type.

$56,005.00

9. **General Conditions:**
   - General Conditions cost will consist of the time, equipment, safety, materials, and sundries necessary to properly mobilize and demobilize the project.
   - Also included is the time necessary for the proper supervision to manage the project and the necessary equipment and material to assist in the mobilization, demobilization, and supervision of the project.
   - PEDESTRIAN PROTECTION: Pedestrian protection will consist of a combination of barrel barricades and caution/danger tape that will be installed around the perimeter of our work area throughout each phase of work.
   - General conditions also include all ancillary equipment rental including but not limited to:
     - Safety Equipment
     - Public Protection Barricades
     - Generator/Pressure Washer
     - Storage Trailer/Connex
     - Dumpster
     - Access Equipment/Scaffolding/Scissor Lift
   - Includes the cost associated with destructive testing of installed materials to provide the respective warranties in each situation.

$10,376.00

10. ~~**ALTERNATE #1: Top Deck- Deck Coating Removal & Replacement (2- Component) :**~~
    - ~~SURFACE PREPARATION:~~
      - ~~Existing Deck Coating Membrane shall be removed by mechanical means. Once removed the concrete surfaces shall be shot blasted to remove any dirt, debris, contaminants required by the coating manufacturer.~~
    - ~~THREE COAT BROADCAST SYSTEM: After the surface preparation is complete, the substrate will be coated.~~
      - ~~The system will consist of a Sikalastic Concrete Lo VOC primer, Sikalastic 720 base coat and Sikalastic 745 intermediate coat. Approximately 50 pounds of sand per 100 square foot of coating will be broadcasted into the intermediate coat (or broadcasted to refusal).~~

- After the intermediate coat cures, the loose sand will be removed and a new Sikalastic 745 topcoat will be installed.
- The system will be installed according to the manufacturer's recommendation. Aggregate loading may vary with system type.

$25,113.00

TOTAL (With PMMA Pedestrian Deck Coating System): $86,371.00

~~**TOTAL (With Dual Component Pedestrian Deck Coating System): $55,479.00**~~

Concrete Restoration
Masonry Restoration
Stadium Restoration
Balcony Restoration
Plaza Restoration
EIFS Restoration
Historic Restoration
Wall Coating
Caulking & Sealants
Deck Coating
Planter Waterproofing
Below Grade
Stone Cleaning & Restoration
Tuckpointing
Epoxy Flooring
Cementituous Coating
Post Tendon Repair
Barrier Tendon Repair
Expansion Joint Restoration
Carbon Fiber
Epoxy Injection

GENERAL QUALIFICIATIONS:

1. Normal working hours, Monday through Friday have been used for this proposal.
2. We have included one mobilization for the project. Additional mobilizations will results in additional charges.
3. A mock up will be performed and shall be approved by the customer in writing prior to beginning the work.
4. Written approval of color selections by the customer are required before any materials will be ordered and before scheduling of work.
5. Permits (are not) included for our portion of the work.
6. Barricades/sidewalk protection will be provided as described above.
7. We have not included the removal and replacement of any electrical, conduit, lightning protection, etc. Should this be required, it will be performed by others prior to the start of our work.
8. Planters to be removed by others prior to the start of our work.
9. Power lines in or near work areas shall be covered/protected by owner at no expense to contractor.
10. Western requires the disclosure of any existing 'micro-wave' communication panels or other telecommunication equipment, antennas, panels, etc. located in our potential work area.
11. This work will be performed by Western's own CREWS.
12. Western shall not be held liable for the presence of fungi or bacteria as indicated on the attached Insurance Addendum.
13. Western will provide its' standard 3 year labor warranty and manufactures' standard 5 year material warranty upon completion of work. PMMA Pedestrian Deck Coating Systems carry up to a 20-year manufacturer warranty. PMMA Pedestrian Deck Coating System Warranty to be approved by material manufacturer prior to application.
14. Our proposal supports OSHA's 29 CFR 1926.1153 Respirable Crystalline Silica Standard.
15. Notwithstanding anything in this Agreement, Western shall be entitled to additional compensation and/or time extension for any delays, disruptions, impacts, suspensions, acceleration, out of sequence work, or any other increased costs or damages incurred as a result of any virus (including COVID 19 or other coronavirus), pandemic, epidemic or consequences flowing therefrom. In addition, Customer agrees to waive all consequential, actual or liquidated damages against Western arising out of any delay, disruptions or impacts to the Work resulting from the above events.

WESTERN™
SPECIALTY CONTRACTORS
CONFIDENCE THROUGH PERFORMANCE

100 YEARS WESTERN

Concrete Restoration

Masonry Restoration

Stadium Restoration

Balcony Restoration

Plaza Restoration

EIFS Restoration

Historic Restoration

Wall Coating

Caulking & Sealants

Deck Coating

Planter Waterproofing

Below Grade

Stone Cleaning & Restoration

Tuckpointing

Epoxy Flooring

Cementituous Coating

Post Tendon Repair

Barrier Tendon Repair

Expansion Joint Restoration

Carbon Fiber

Epoxy Injection

Acceptance: By signing this proposal, the Purchaser accepts as a binding contract all of its terms and conditions, including the General Conditions and the Special Conditions on this page and all Continuation Pages of this proposal. This Proposal shall expire automatically unless the above-named purchaser shall have delivered a copy of this Proposal, duly signed by it, to Western on or before the 30th day from the date hereof. No modification by Purchaser to this Proposal, or to the General Conditions, shall become a part of the contract unless specifically agreed to in writing by Western, and shall automatically make this Proposal void and of no effect.

Date Accepted: _____

_____
[Purchaser]

By: _____

Title: _____

Orlando Branch Office

Nick McAlpin

Branch Manager

Manager: _____

7201 Sandscove Court Suite 3 • Winter Park, FL • (407) 647-4175 • F(407) 647-6377

Peter Alvarez

From: Taylor Thomas <TaylorT@westernspecialtycontractors.com>
Sent: Wednesday, May 22, 2024 7:58 AM
To: Peter Alvarez
Subject: RE: V-1011 60s Wing Roof Leak Repairs RCO7

Follow Up Flag: Follow up
Flag Status: Flagged

Peter,

Please see below breakdowns.

Sika (Dual Component):

V-1011 Airside Breakdown										
All Work Items w/o G/C's 1-9	Labor Hours	Hourly Rate	Labor Cost	Material Pricing	Sundries/Consumables	Equipment Cost	Total Cost	OH/Profit	Total Cost Plus OH/Profit	Actual Sell
	369	$60.41	$22,291.29	$7,698.00	$3,255.32	$2,568.00	$35,812.61	$9,290.39	$45,103.00	$45,103.00
General Conditions	Labor Hours	Hourly Rate	Labor Cost	Material Pricing	Sundries/Consumables	Equipment Cost	Total Cost	OH/Profit	Total Cost Plus OH/Profit	Actual Sell
	120	$60.41	$7,249.20	$0.00	$511.60	$535.00	$8,295.80	$2,080.20	$10,376.00	$10,376.00
Total Sell Price									$55,479.00	$55,479.00

Tremco (Vulkem EWS PUMA):

V-1011 Airside Breakdown										
All Work Items w/o G/C's 1-9	Labor Hours	Hourly Rate	Labor Cost	Material Pricing	Sundries/Consumables	Equipment Cost	Total Cost	OH/Profit	Total Cost Plus OH/Profit	Actual Sell
	369	$60.41	$22,291.29	$37,798.00	$4,048.22	$2,568.00	$66,705.51	$9,290.39 $8,004.66	$75,995.90 $74,710.17	$75,995.00
General Conditions	Labor Hours	Hourly Rate	Labor Cost	Material Pricing	Sundries/Consumables	Equipment Cost	Total Cost	OH/Profit	Total Cost Plus OH/Profit $9,291.30	Actual Sell
	120	$60.41	$7,249.20	$0.00	$511.60	$535.00	$8,295.80	$2,080.20	$10,376.00	$10,376.00
Total Sell Price								$995.50	$86,371.90 $84,001.47	$86,371.00

Please let me know if there is any additional information needed at this time.

Thank you,

Taylor Thomas | Asst. Branch Manager
Western Specialty Contractors of America
7201 Sandscove Court| Winter Park, FL 32792
Office: (407)647-4175 Ext.4723 Mobile: (407)462-2497

GENERAL TERMS OF THE CONTRACT

1. CHANGES IN THE WORK. It is understood that the type of work called for in this Agreement may require changes as the work progresses. Contractor will perform changes in the work (including changes requested by Customer) only after consultation with the Customer, and execution of a written agreement covering the changes in the scope of the work including any changes in Contract Price and time for performance.

2. PAYMENT TERMS. Payment of the Contract Price, shall be made monthly upon receipt of an invoice for portion of the Work performed during that month. If any invoice remains unpaid to the 20th day following receipt by Customer, Customer agrees to pay Contractor interest at the rate of ten percent (10%) per annum from the due date until paid.

3. TAXES. Contractor's price includes applicable taxes imposed on the work or materials included in this contract, to the extent required by law to be collected by Contractor. Such taxes may be separately itemized on invoices.

4. SECURITY FOR PAYMENT. Customer understands that if Contractor is not paid it can assert a lien against the property. Contractor will issue waivers of its lien rights only to the extent it receives payment.

5. DELAYS AND CLAIMS.

A. Liability Only for Acts Within Contractor's Control. Contractor will be excused and will not be liable for any damages, whether direct, incidental or consequential, for any delay or failure in performance (including but not limited to delays due to strikes, fires, accidents, acts of God and delays in performance by Contractor's suppliers and carriers) except to the extent caused by, or within the direct control of Contractor.

B. Notice of Claims, When. Any claims by Customer against Contractor must be presented in writing with particulars to Contractor within twenty days after they arise; otherwise Contractor shall have no responsibility or liability for such claims.

6. INSURANCE AND INDEMNIFICATION.

A. Customer shall purchase and maintain property insurance on its property and liability insurance to cover the acts or omissions of its agents and employees at the Site.

B. Contractor maintains insurance as shown on the attached Insurance Addendum. A certificate showing coverage limits and Carriers will be issued to Customer prior to beginning work at the Site.

C. Contractor agrees to indemnify Customer from any loss, damage or expense which Customer suffers as a result of claims asserted against Customer by third parties (including Contractor's employees) which arise out of Contractor's work at the Site, to the extent caused by the negligent acts or omissions of Contractor or anyone for whom Contractor is responsible. Customer agrees to indemnify Contractor for any loss, damage or expense, which Contractor suffers as a result of claims asserted against Contractor by third parties (including Customer's employees) which arise out of Customer's activities at the Site, to the extent caused by the negligent acts or omissions of Customer or anyone for whom Customer is responsible.

7. LIMITED WARRANTY AND EXCLUSIVE REMEDIES.

A. Workmanship. For a period of one year from the date of substantial completion of Contractor's Work covered hereby, Contractor warrants that it will promptly repair or replace any improper or defective workmanship performed by Contractor under this contract; provided that Contractor has been paid for all work performed, and Contractor has received written notice from Customer of any such defective workmanship within 20 days after Customer first becomes aware thereof (provided such is within the aforesaid one-year period). Contractor will not pay for any inspections or repairs performed by others prior to receipt of notice and a reasonable opportunity to make repairs, if warranted.

B. Warranty on Materials. Contractor warrants that it will use only new materials unless specified otherwise in this Contract, and will deliver to Customer standard warranties as issued by the manufacturer of the materials, if available. Contractor shall have no obligation under any such manufacturer's warranty, and shall not be required to seek changes to terms of such standard warranties.

C. Disclaimer of Other Warranties. THE PROVISIONS IN PARAGRAPHS A AND B ARE THE EXCLUSIVE WARRANTIES PROVIDED TO CUSTOMER AND ARE EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

D. Mold Exclusion. Contractor specifically excludes from any and all warranties connected with this Work any warranty against the growth, infestation or spread of mold, mildew, or other fungal, bacterial or biological substance however caused.

8. OBLIGATIONS OF CUSTOMER AT SITE OF WORK

A. Site Conditions. For work performed by Contractor at the site, Customer shall provide without charge to Contractor (i) sufficient and proper space for handling and storing the materials and equipment of Contractor;; (ii) sufficient power and water for the performance of the Work; (iii) removal of all obstructions to performing the Work as economically as possible.

B. Unanticipated Conditions. If Contractor encounters unanticipated conditions or structural features, not reasonably ascertainable upon such inspection or testing as was allowed by Customer, Contractor will so advise Customer, and the parties will work out a mutually acceptable adjustment to the Work, the Contract Price, and the time of completion prior to continuation of the work.

C. Asbestos, Lead, Mold and PCB. Contractor specifically excludes the abatement of any hazardous material, including but not limited to asbestos, lead, mold or polychlorinated biphenyl ("PCB"). Customer warrants that the Work will not expose Contractor's workers or any other persons to contact with or exposure to such substances. If Contractor encounters material reasonably believed to be asbestos, lead mold or PCB or other hazardous substance which has not been rendered harmless, Contractor shall immediately stop Work in the area affected and report the condition to the Customer. The Work in the affected area shall not thereafter be resumed except by written agreement of the Customer and Contractor. The Work in the affected area shall be resumed in the absence of such hazardous substance, or when it has been rendered harmless and so agreed in writing by the Customer and Contractor. All cost of testing for, removal of, or to render asbestos, lead, mold or PCB harmless, shall be born by Customer.

9. DEFAULT BY CUSTOMER. If Customer fails, or is unable for any reason, to make any payment when due, or prevents Contractor from completing its Work in a timely and uninterrupted manner, or fails to comply with any term, condition or provision of this Contract, Contractor may resort to any remedy available to it by this Contract, or by law.

10. REMEDIES OF CONTRACTOR. In case of any default by Customer, including but not limited to failure to make timely payment, Contractor may, after reasonable notice and opportunity to cure, which need not exceed seven (7) days; (a) suspend all work at the site (b) demand payment of the contract price, less a sum equal to Contractor's cost of any labor and materials not yet furnished or ordered , (c) remove its equipment and any unused material from the Premises, (d) terminate the contract and demand payments referred to in item (b) above and, (e) pursue such other or additional remedies as may be provided by law.

11. DISPUTE RESOLUTION. The parties shall attempt to resolve disputes between themselves, using more senior officials of their respective organizations if necessary, and prior to the institution of any legal action, they agree to meet with a mutually agreeable or, upon mutual application, court appointed mediator for a minimum of one five hour session. In any such dispute resolution, each party shall bear their own expenses. In the event of any legal action to enforce the terms of this Contract, the prevailing party shall be entitled to recover reasonable attorney's fees from the other.

12. HOURS OF WORK. Contractor is obligated to perform the Work only during its regular working hours and has no responsibility to work beyond such regular hours. All time beyond regular hours which is required by Customer shall be paid for by Customer in addition to the contract price, at applicable premium rates of pay.

13. ENTIRE AGREEMENT. This Contract constitutes the entire agreement between the parties. No representations, statements, correspondence or discussions between Contractor and Customer or Customer's Representative shall be a part of this Contract unless specifically referred to in this Contract.

14. MODIFICATION. No waiver, alteration or modification of the terms and conditions of this Contract shall be binding unless said waiver, alteration or modification be in writing and signed by a duly authorized representative of each party.

INSURANCE ADDENDUM WITH ADDITIONAL INSURED STATUS
Indicating Insurance Carried by
Orlando Branch Office ("Contractor")
and incorporated into its Proposal Submitted to
GOMEZ CONSTRUCTION CO. ("Customer")
Project: ***OIA V-1011 Airside 4***

Contractor maintains, and shall maintain, insurance coverage substantially as outlined below, throughout the life of the Project (shown above) which is the subject of the Proposal, Bid, Contract or Subcontract to which this Addendum is attached. Any contract or subcontract entered into is qualified to include this coverage, exclusive of any other insurance requirements.

WORKERS' COMPENSATION coverage is maintained in all states where Contractor operates, including the state in which the project which is the subject of this proposal or bid is located. Employer's Liability coverage is also included with limits up to $1,000,000. Stop gap coverage is provided in monopolistic states: ND, OH, WA, WY.

Carrier: **The Travelers Indemnity Company of America / Travelers Property Casualty Company of America**

GENERAL LIABILITY coverage is written on the Travelers Commercial General Liability Policy Form CG T1 00 which includes the following:

Carrier: **Travelers Property Casualty Company of America**

COVERAGES		**POLICY LIMITS**
• Bodily Injury	General Aggregate ⊕	$4,000,000
• Broad Form Property Damage	Products Completed Operations Aggregate	$4,000,000
• Premises/Operations	Personal and Adv. Injury	$2,000,000
• Products/Completed Operations	Each Occurrence	$2,000,000
• Contractual Liability	Fire Damage (Any one fire)	$500,000
• Medical Payments	Medical Exp. (Any one person)	$10,000
• Fire Damage Legal Liability		
• Personal and Advertising Injury		
• Independent Contractor's Liability		
• Coverage for Explosion, Collapse, and Underground		
• Separation of Insureds/Severability of Interest	⊕ General Aggregate applies per project.	

The General Liability Policy contains an exclusion for claims arising in whole or in part out of the presence of fungi or bacteria in a building or structure.

ADDITIONAL INSURED -- Contractor will provide additional insured coverage to the Customer named above GOMEZ CONSTRUCTION CO.
using ISO Additional Insured Endorsement CG 20 10 04 13 or its equivalent, but only for vicarious liability for bodily injury and/or property damage caused by the negligent acts or omissions of Contractor, its employees and subcontractors, in connection with its ongoing operations at the project site.

AUTOMOBILE LIABILITY coverage is carried in all states consistent with or greater than statutory requirements.

Carrier: **Travelers Property Casualty Company of America**
Combined Single Limit: $2,000,000

A 30 day notice of cancellation provision is included under our policies.

Coverage and limits will be certified through a standard form Certificate of Insurance issued to Customer or through a Memorandum of Insurance upon Execution of Contract.

The structures involved in this project do not contain any EIFS (Exterior Insulation and Finish System). Contractor's insurance program is written on a nationwide basis for all its locations, and not on an individual project basis. Any requests for deviations from standard coverage must be requested in writing, prior to Contract execution. Contractor reserves the right to review any Consolidated or Controlled Insurance Program prior to agreeing to enroll, and to increase its price to cover additional insurance requests.

Initials: _____ / _____

TREMCO

TECHNICAL DATA SHEET

VULKEM® EWS WITH PUMA TECHNOLOGY

Waterproof Traffic Coating System
Pedestrian System

PRODUCT DESCRIPTION

Vulkem® EWS with PUMA Technology is designed to have tenacious adhesion and extreme abrasion resistance. It can be walked on in one hour, which will minimize operation disruption. Vulkem Extreme Wearing System (EWS) is a waterproof traffic deck coating system that utilizes polyurethane-methacrylate (PUMA) technology. Vulkem EWS pedestrian system is composed of a primer (Tremco PUMA Primer), a base coat (Tremco PUMA BC or BC LM), and a top coat (Tremco PUMA TC). All system Components are cured using Tremco PUMA Initiator+.

Tremco PUMA Primer is a polymethyl-methacrylate (PMMA), two-component primer for porous and non-porous substrates.

TREMprime VB Plus Primer is a two component, modified epoxy primer designed to seal concrete and reduce moisture vapor transmission on concrete slabs with elevated levels of moisture.

Tremco PUMA BC is a polyurethane-methacrylate (PUMA) base coat. Tremco PUMA BC bonds firmly to Tremco PUMA Primer. It retains its integrity even if substrate movement causes hair-line cracks of up to 1/16" (1.5 mm). If cut or damaged, Tremco PUMA BC will prevent water migration between itself and the substrate.

Tremco PUMA BC LM is a low-modulus version of Tremco PUMA BC waterproofing membrane that is used when dynamic movement and extreme service temperature ranges are anticipated.

Tremco PUMA TC is a polymethyl-methacrylate (PMMA) top coat. Interlaminary adhesion to Tremco PUMA BC is exceedingly strong. The top coat affords excellent abrasion resistance, UV stability and chemical resistance to complete the Vulkem EWS pedestrian system.

Tremco PUMA Initiator+ is a reactive catalyst in the form of a white powder used to cure all PUMA/PMMA resins.

BASIC USES

Vulkem EWS is a cold-applied traffic deck coating system designed for waterproofing concrete slabs and protecting occupied areas underneath from water damage. Additionally, the system will protect the concrete from the damaging effects of chloride, deicing salts, chemicals, gasoline, oils and anti- freeze. The Pedestrian System is ideal for stadiums, balconies, pedestrian walkways, roof terraces, mechanical rooms, recreation decks, and similar applications requiring a waterproof coating system.

FEATURES & BENEFITS

- PUMA technology delivers extreme durability while maintaining its crack-bridging characteristics, eliminating the need for reinforcing fabric.
- Rapid set-up times allow for quick overall installation, as well as the ability to open up to traffic one hour later.
- Can be applied at temperatures as low as 14 °F (-10 °C), which allows for continuation of projects in the colder months.
- Initiator+ adjustments allow for 30 to 45 min cure time between applications, even at temperatures below freezing.
- Extremely forgiving application allows users to apply additional coats long after the previous coat has cured.
- Unique chemistry allows for easy repair.
- Compatible with Tremco sealants, coatings and expansion joints, which is essential for tie-ins, detailing and penetrations.

AVAILABILITY

Immediately available from your local Tremco Sales Representative.

PACKAGING

Tremco PUMA Primer: 2 gal and 6 gal pails
TREMprime VB Plus Primer: Part A 2.4 gal. and Part B 1 gal.
Tremco PUMA BC (all grades): 6 gal pails
Tremco PUMA TC: 6 gal pails
Tremco PUMA Initiator+: 75 g pouches (25 pouches/case), 10 lb pail, 25 lb pail

COLORS

Tremco PUMA TC is available in Gray, Slate Gray, Charcoal, White, *Beige, Tintable and **Decorative.
Universal Color Paks are available for use with Tremco PUMA TC Tintable.

*Denotes special order color. **For use with decorative aggregate.

APPLICABLE STANDARDS

ASTM C957
CSA S413

FIRE RATED ASSEMBLIES

ANSI/UL790 - Standard Test Methods for Fire Tests of Roof Coverings
CAN/ULC-S107 - Methods of Fire Tests of Roof Coverings

INSTALLATION

Concrete shall be water-cured and attain a 3000 PSI minimum compressive strength. Concrete finish shall be a light steel trowel followed by an equivalent ICRI #3-#4 finish. Moisture content in the concrete must be lower than 6% as measured using a Tramex CME 4 Moisture Meter. Depending on concrete construction and job site location, additional concrete testing may be required. Please contact your local Tremco Sales or Technical representative.

Please refer to the Vulkem EWS Application Instructions for complete application details. The techniques involved may require modification to adjust to job-site specific conditions. Consult your Tremco Sales Representative or Tremco Technical Services for site conditions and requirements.

LIMITATIONS

- Use with adequate ventilation.
- Not for use over expanded polystyrene, extruded polystyrene, poured in place gypsum, lightweight insulating concrete, cementitious wood fiber decks and coal tar pitch.
- Do not apply in falling precipitation or when precipitation is imminent.
- All surfaces must be sound, clean, free of standing water and free from contamination.
- Any questions regarding drying times, coverage rates and unique application techniques should be directed to Tremco Technical Services or your local Tremco Sales Representative.
- Do not apply over contaminated surfaces.
- Do not thin.
- Substrate must be at least 5 °F (3 °C) above the measured dew point temperatures to avoid dew point conditions.
- Do not store in direct sunlight for prolonged periods.
- Unvented metal pan decks, slab-on-grade and hollow core plank decks require additional qualification prior to application. Please contact Tremco technical services for more information.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit https://www.tremcosealants.com/warranties/ for details.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TREMCO PUMA BC	TREMCO PUMA TC
VOC Content	Method 310	0 g/L	0 g/L
% Solids (by weight)	ASTM D1353	100%	100%
Drying Time @ 75 °F, 50% RH	ASTM D1640	80 mil film, 1 hr	17 mil film, 1 hr
Weathering	ASTM D822 Wetherometer 350 hr	N/A	No effect
Elongation	ASTM D638	407-420%	130%
Elongation	ASTM D5147	Min 30%	Min 30%
Tensile Strength	ASTM D638 @ 75 °F	991-1680 psi	986 psi
Tearing Resistance	ASTM D4073	91 lbf	203 lbf
Hardness (Shore D)	ASTM D2240	18-35	55
Hardness (Shore A)	ASTM D2240	65-87	100
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	51 mg
Low-Temperature Crack Bridging	ASTM C1305	Passes	N/A
Taber Abrasion	ASTM C501	Passes	N/A
Peak Load @ 73 °F, avg.	ASTM D5147	>70 lbf/in	238 lbf/in
Puncture Resistance	ASTM D5602	>56 lbs	>56 lbs
Water Absorption	ASTM D570	<0.1%	<0.1%
Water Vapor Transmission	ASTM E96	0.03 perms	0.03 perms
Adhesion-in-Peel	ASTM C794	Concrete failure with primer	N/A
Self-Ignition Temperature	ASTM D1929	800 °F 427 °C	850 °F 454 °C
Smoke Density	ASTM D2843	4.1%	2.1%
Rate of Burn	ASTM D635	1.2 in/min	0.2 in/min

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

EWSPDS-DS/1123

Peter Alvarez

From: Taylor Thomas <TaylorT@westernspecialtycontractors.com>
Sent: Friday, April 19, 2024 5:53 AM
To: Peter Alvarez
Subject: RE: OIA V-1011 Airside 4-Proposal TT 4.17.2024

Peter,

I do not, Western will issue its standard 3 year labor & 5 year manufacturer warranty. In order to get a 10 year for Sika and up to 20 year on the PMMA system, we will need to have both manufacturers rep out onsite to discuss the project in detail, perform mockups, and get them to select the specific primer required for this pedestrian system.

For Sika, I will need to get either Dave Poulter or Dean Whitcomb out to review.

And for Tremco, I will need to get Trey Hornsby out to review.

Please let me know if you would like me to set this up in the near future.

Thank you,

Taylor Thomas | Asst. Branch Manager
Western Specialty Contractors of America
7201 Sandscove Court| Winter Park, FL 32792
Office: (407)647-4175 Ext.4723 Mobile: (407)462-2497

https://www.westernspecialtycontractors.com/orlando/

From: Peter Alvarez <palvarez@gomezconstruction.com>
Sent: Thursday, April 18, 2024 3:55 PM
To: Taylor Thomas <TaylorT@westernspecialtycontractors.com>
Subject: RE: OIA V-1011 Airside 4-Proposal TT 4.17.2024

Do you have a sample warranty or warranty information on each. I didn't see it in the those cut sheets.

Peter Alvarez

Gomez Construction Company | 750 Jackson Avenue, Winter Park, FL 32789
office 407.628.4353 mobile 863.397.7952 | palvarez@gomezconstruction.com |
website: www.gomezconstruction.com |

P&A Roofing & Sheet Metal
4495 35th Street
Orlando, FL 32811
Phone: (407) 650-9541
Fax: (407) 650-9542
www.pa-roofing.com

ROOFING AND SHEET METAL

Issued To: Peter Alvarez

Gomez Construction Company
750 Jackson Avenue,
Winter Park, FL 32789
Mobile 863.397.7952
palvarez@gomezconstruction.com

Date: 4/19/2024

Building:
OIA V-1011 Airside 4
9600 Jeff Faqua Blvd.
Orlando, FL 32827

Leak Proposal

Work to be Performed:

1. Water test three (3) different locations near leak area to help determine exact location of water intrusion.
2. Once area has been determined, we will prepare roof and/or concrete platform for repair.
3. Properly repair roof and/or concrete platform leak area with matching material.
4. If leak area is occurring at the panel joints, we will provide proper sealant to make watertight.
5. Remove all work related debris once complete.

Price: ~~**$7,500.00 (NTE)**~~ $7,473.50

Note: Price is only for the above line items (1-5). Any other work that is asked to be completed will be subject to a change order.

If leak is occurring at drain plumbing, there must be a proper contractor to come and repair such plumbing. P&A is not liable for any plumbing repairs.

We hereby propose to furnish labor and materials complete for the sum mentioned above with payment due upon completion.

All materials are guaranteed to be as specified above. All work to be completed in a workmanlike manner according to standard practices. Any alterations and/or changes from above specifications could warrant an extra cost and will be performed upon written change order or signed tickets. This proposal is subject to acceptance with 30 day and it is void thereafter at the option of the undersigned.

Authorized Signature: Eugene Vazquez Date: 4/19/2024

Acceptance of Proposal

The above prices, specifications and condition are hereby accepted. You are authorized to do work as specified. Payment will be made as outlined above

Date :_____ Signature:_____

P & A Roofing & Sheetmetal Inc., herein referred to as P & A

General Terms & Conditions

1. So that P & A may ship material and organize its erection crew, and perform its scope of work, Customer shall notify P & A in writing at least four weeks before Customer is ready for our scope of work to begin. The work areas must be cleaned, free of all debris as well as any standing water, and ready for our work with structural steel framing and work progressed to the extent that all P & A work can be done in one continuous operation. P & A will not perform out of sequence work. P & A will not cut any openings on the roof nor will P & A work on the roof with any openings.

2. P & A will not be responsible for any consequential damages as a result of an work performed by P & A.

3. Mansards, parapets, scuppers, independent laboratory tests, pullout tests, touch up or field paint, sealer, bar joint cleaning, leach-out (efflorescence) stains, normal spillage below deck, weld washers, surveys, special inspectors, plumbing or lightening protection work and the like , are not a part of the work of P & A and not a part of this contract unless specifically provided on the reverse hereof.

4. P & A will not be responsible for the watertight integrity of any work until P & A is 100 % complete with said work.

5. Customer is to provide hard pack access and set-up area adjacent to the building, which has reasonably accessible and convenient parking spaces sufficient for vehicles and equipment of P & A, their supervisors and workmen. In the course of performance by P & A only Customer's duly authorized representative maybe in attendance. P & A has Customer's authority to exclude from the site of its work, while in progress, all others, trades, "side-walk superintendents" and the likes. This is so that freshly poured concrete roofing and any other work is not disturbed.

6. When Metal Roof Deck by P & A, Customer shall furnish P & A with a complete set of structural steel/erector drawings with details showing the purtin spacing, etc., and Customer guarantees the dimensions given on these drawings/details to be correct. These drawings must be in our hands at least six weeks before building will be ready for P & A work. You are to provide sufficient bearing at all walls by means of perimeter beams, angles, etc.

7. Customer is to furnish sufficient storage space in or adjacent to the building, from which P & A will not be required to remove its material or equipment except as required for the performance of its work.

8. Should P & A agree to perform work on a time and material basis, the man-hour rate will be $ 85.00 per man hours. Materials will be charged with 25 % profit.

9. P & A will not be held responsible for the watertight integrity of any temporary roofs, seals or the like.

10. P & A shall not be responsible for delays caused by strikes, lockouts, embargoes, fires, floods, tornadoes, hurricanes, accidents, inability to obtain materials from regular sources of supply, or other causes beyond its reasonable control, and the time for delivery of materials or doing the work hereunder shall be extended for the time of delay or reason of any said causes, automatically, without need for notice or formal change order.

11. Customer shall bear the risk of any loss or damage to materials delivered to the premises or installed by P & A, whether such loss or damage results from misuse, fire, flood or any other cause except P & A own negligence and Customer shall indemnify P & A and hold P & A harmless from any such loss or damage.

12. This proposal is based upon all labor being performed during regular hours of work and normal workweeks. P & A is not required to increase manpower or work overtime shifts without an additive change order that includes all additional costs, including insurance and overhead, unless such is necessary to cure a breach by P & A. Further P & A owns the float.

13. It is understood that you will not give a final coat of field paint until P & A work is completed. The undersurface of the deck shall not be painted until the deck is completely covered. No cleaning or field painting of steel work or other construction is to be required of P & A unless specifically mentioned on the front side of this proposal.

14. The materials furnished under this contract shall not be subjected to a temperature higher than 140° Fahrenheit.

15. P & A agrees to make provision for insurance as required by Workman's Compensation Law of the State of Florida. P & A will also carry Public Liability and Property damage Insurance and agrees to assume responsibility for any damages on account of personal injuries, including death, or claims for damages to property provided such claims arise out of operations of P & A under this contract but only to the extent caused by negligence or omissions by P & A, its agents, servants or employees. P & A shall not be held liable for consequential damages, P & A will not provide any performance or payment bond for this project.

16. Customer shall provide adequate ventilation to dry the structure including the roof deck. No provision for ventilation shall be made by P & A.

17. Customer shall provide a safe work environment for P & A crew and comply with all applicable local, state and federal regulation as well as OSHA requirements.

18. Any amounts due and owing P & A under or by virtue of this agreement shall not be conditioned upon receipt of funds or other approval but shall be paid upon completion of our work. Price is based on no retainage; therefore no retainage is to be withheld. Interest or service charges at the rate of 1 ½ percent per month together with costs and expenses of collection may be added to any and all sums due from the date of completion. In addition P & A is entitled to reimbursement for all reasonable attorneys' fees incurred as a result of any dispute relating to this agreement. Suit may be brought either in Dade, Broward or Orange County, Florida.

19. Customer will make final inspection within 48 hours of completion of P & A work. Should Customer find any additional work, corrections, defects or "cleanup" which requires P & A to return to or further perform at the site of the work unless and until customer has paid any and all charges associated with such return to the site.

20. P & A is not bound by the outcome of or any decision made by any court, arbitration, panel, arbitrator or alternate dispute resolution proceedings to which P & A is not properly and legally made a party.

21. The warranty issued upon receipt of final payment shall be for a standard one-year beginning with the completion of P & A work, unless stated otherwise on proposal / contract.

22. All materials are guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alterations or deviation from the specification set forth involving extra cost will be executed only upon written orders, and will come as an extra charge over and above the estimate.

23. Each party expects due performance from the other, which will not be impaired when reasonable grounds for insecurity arise with respect to the performance of either party, the other may, in writing, demand adequate assurance in accordance with the provisions of 672.609, Fla. Stat.

24. If P & A defaults or neglects to carry out the work in accordance with this agreement and falls within three (3) working days after receipt of written notice from the customer to commence and continue correction of such default or neglect with diligence and promptness, the Customer may, after three (3) days following receipt by P & A of an additional written notice, and without prejudice to any other remedy the Customer may have, make good such deficiencies and may deduct the reasonable cost thereof from the payments then or thereafter due P & A.

25. P & A does not guarantee the resolution of any leaks, outside of work that has been performed by P & A. Time and Material leak resolution is an investigative process. Customer shall be responsible for all costs associates until leak investigation and resolution.

26. The parties agree that P & A as well as P & A insurer will be held harmless for alleged or actual damages or claims as a result of mold, algae or fungus. The parties further agree that P & A and P & A insurer will exclude all coverage, including defense, damages related to bodily injury, property damage and clean up expenses caused directly or indirectly in whole or in part for any action or claim brought on account of mold, including fungus and mildew regardless of the cause, event materials, product or damage that occurs. There are no promises, agreements or understandings between us, which are not contained in this agreement.

Terms:

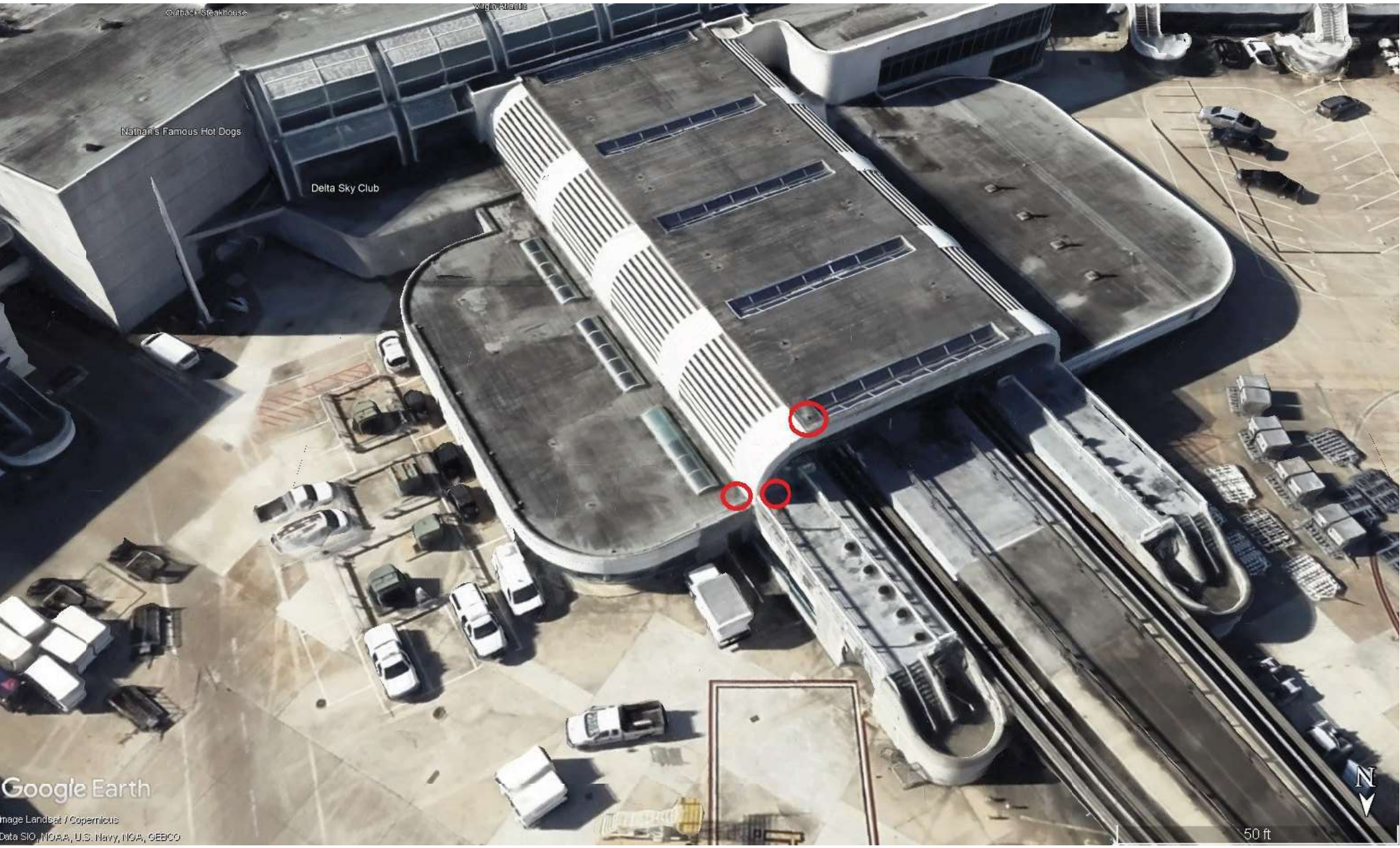
Full payment shall be made upon completion. Interest or service charge at the rate of 1 ½% per month together with all costs and expenses of collection may be added to any and all sums due from the date of completion. In addition, our company is entitled to reimbursement for all reasonably attorney's fees incurred as a result of your nonpayment. Suit may be brought either in Dade, Broward or Orange County, Florida.

_____ _____

Customer Signature P & A Representative

There are no promises, agreements, or understanding between us which are not contained in this agreement.

P&A - Mod Bit roof leak locations



R□□F'INI3 AND SHEET METAL
MIAMI ORLANDO TAMPA

September 12, 2022

Greater Orlando Aviation Authority

Continuing Maintenance Department
Orlando, FL 32827

Attn: Lionel Brown, Assistant Director, Maintenance Operations

Re : Maintenance Rates

Gentlemen,

Our maintenance rates per man hour and materials for repairs at the Orlando International Airport are as follows:

Man Hour Rate .....$ 82.00 / per hour

Materials@ cost plus mark up:..... 15%

Maximum "Pass Thru" Charges mark up:.....10%

2 men 40 hrs to investigate/test/repair

80 hrs x 82/hr = $6,560
Material = $234
10% Markup = $679.40
Total = $7,473.50

Monthly drain & gutter inspection and maintenance $ 70.00 / per hour

Our rates commence upon arrival at the jobsite and there is a 24 hour response time.

Should you have any questions or require additional information please feel free to contact us at the number listed on this correspondence.

Sincerely,

John Manzella
Vice President

4495 35TH STREET · ORLANDO, FLORIDA· 32811 · OFFICE (407) 650·9541 - FAX (407) 650-9542

As of April 2024

P & A ROOFING MATERIAL PRICING

Product ID	Product Name	Product Category	Unit Price	Unit
174	.045 RE RubberGard EPDM	EPDM Roof Membrane	$ 1.35	s.f.
173	.045 RubberGard EPDM	EPDM Roof Membrane	$ 1.35	s.f.
177	.045 Sure-Seal EPDM	EPDM Roof Membrane	$ 1.35	s.f.
176	.060 RE RubberGard EPDM	EPDM Roof Membrane	$ 1.75	s.f.
175	.060 RubberGard EPDM	EPDM Roof Membrane	$ 1.75	s.f.
178	.060 Sure-Seal EPDM	EPDM Roof Membrane	$ 1.75	s.f.
268	1/2 Inch Plywood	Lumber	$ 75.00	sheet
119	1/2 Inch Retro-Fit Board	Roof Insulation	$ 70.00	sheet
267	2 x 4 Plywood	Lumber	$ 16.00	10'
24	20 Gauge Galvanized Steel Deck	Steel Deck	$ 3.15	s.f.
20	4 Mil Ply	Protection Layer	$ 0.40	s.f.
235	Alsan	Misc.	$ 500.00	pail
277	Aluminum Coating	Modified & Accessories	$ 275.00	pail
120	APP 180	BUR / SBS Roof Membrane	$ 215.00	roll
190	APP Smooth (s.f.)	Modified & Accessories	$ 190.00	roll
228	Asphalt Cement	Modified & Accessories	$ 84.00	pail
241	Asphalt Fabric Membrane	Misc.	$ 10.00	roll
23	Asphalt Primer	Primer	$ 60.00	pail
238	Backer Rod - Foam (Gaps)	Misc.	$ 25.00	can
246	Bag of Mortor	Misc.	$ 35.00	bag
302	Blue Tape	Misc.	$ 11.01	each
247	Boot	Single Ply & Accessories	$ 65.00	each
271	Box Rivets	Rivets	$ 13.00	box
222	Brush	Misc.	$ 5.00	each
128	Cap APP	BUR / SBS Roof Membrane	$ 215.00	roll
276	Cap Metal	Coping	$ 280.00	10 l.f.
129	Cap SBS	BUR / SBS Roof Membrane	$ 195.00	roll
183	Caulk (tubes)	Misc.	$ 10.85	tube
279	Clorox Bleach	Single Ply & Accessories	$ 20.00	gal
258	Cold Process Asphalt Cement	Modified & Accessories	$ 80.00	pail
130	Composite Board Roof Insulation	Roof Insulation	$ 3.00	b.f.
125	Dens-Deck Prime Roof Board	Roof Insulation	$ 1.08	s.f.
126	Dens-Deck Roof Board	Roof Insulation	$ 1.02	s.f.
368	Dow 790 Silicone - Sausage	Misc.	$ 21.20	each
367	Dow 795 Silicone - Sausage	Misc.	$ 19.50	each
296	Dow 795 Silicone - Tube	Adhesive	$ 13.32	each
275	Down Spouts	Downspout	$ 90.00	10 l.f.
239	Drain Lead Sheet	Misc.	$ 185.00	each
282	Duct Tape	Single Ply & Accessories	$ 11.01	each
253	Edge Cut Sealant	Single Ply & Accessories	$ 47.00	bottle

240	Elastomeric Coating Fabric	Modified & Accessories	$	5.00	l.f.
273	End Caps	Coping	$	65.00	each
224	Fasteners / Screws / Tapcons	Misc.	$	1.50	each
16	FiberBoard	Roof Insulation	$	1.00	b.f.
86	Firestone Bonding Adhesive	Adhesive	$	290.00	pail
254	Foam (Tile)	Misc.	$	200.00	gal
236	Glue	Misc.	$	225.00	pail
220	Granuals	Misc.	$	50.00	bag
274	Gutter	Gravel Stop	$	400.00	10 l.f.
186	Lap Sealant (tubes)	Single Ply & Accessories	$	10.00	tube
251	Membrane Cleaner (gal.)	Single Ply & Accessories	$	42.00	gal
315	Metal Cleat/Clip	Misc.	$	8.00	l.f.
371	Metal Cover Plate	Misc.	$	17.50	each
226	Metal Flashing	Metal	$	15.00	l.f.
256	Modified Bitumen, Cap	Modified & Accessories	$	255.00	roll
229	Modified Bitumen, Smooth	Modified & Accessories	$	250.00	roll
245	Modified Patch	Misc.	$	40.00	s.f.
259	Nails	Misc.	$	0.30	each
248	Naps & Frames	Misc.	$	20.00	each
249	NP1	Misc.	$	11.25	tube
272	Paint	Paint	$	40.00	gal
132	Perlite Cant Strip	Cant Strip / Tapered Edge	$	1.00	l.f.
289	Polystick TU Plus - Peel n' Stick	Misc.	$	137.86	each
189	Pourable Sealer (gal.)	Misc.	$	94.50	gal
278	Primer	Single Ply & Accessories	$	73.50	gal
257	Propane	Misc.	$	156.00	lbs
203	PVC Membrane	Single Ply & Accessories	$	10.00	s.f.
219	Rags	Misc.	$	70.00	box
252	Retrofit Drain	Misc.	$	933.00	each
270	Roof Insulation ISO	Roof Insulation	$	1.08	b.f.
250	RT 600	Misc.	$	15.00	tube
262	Rust Inhibitor Top Coat	Modified & Accessories	$	310.00	pail
71	SBS Base	BUR / SBS Roof Membrane	$	1.45	s.f.
72	SBS Cap	BUR / SBS Roof Membrane	$	1.96	s.f.
73	SBS Flashing	BUR / SBS Roof Membrane	$	-	s.f.
74	SBS FR Cap	BUR / SBS Roof Membrane	$	1.97	s.f.
75	SBS FR Torch	BUR / SBS Roof Membrane	$	2.15	s.f.
76	SBS Glass Torch Base	BUR / SBS Roof Membrane	$	2.26	s.f.
77	SBS Metal Flash-AL	BUR / SBS Roof Membrane	$	-	s.f.
78	SBS Poly Torch Base	BUR / SBS Roof Membrane	$	2.15	s.f.
79	SBS Premium	BUR / SBS Roof Membrane	$	2.36	s.f.
80	SBS Premium Base	BUR / SBS Roof Membrane	$	-	s.f.
81	SBS Premium FR	BUR / SBS Roof Membrane	$	2.45	s.f.
82	SBS Premium FR Torch	BUR / SBS Roof Membrane	$	2.57	s.f.

83	SBS Smooth	BUR / SBS Roof Membrane	$	2.15	s.f.
85	SBS Torch	BUR / SBS Roof Membrane	$	2.15	s.f.
264	Scuppers	Roof Surfacing	$	380.00	each
280	Seam Tape	Modified & Accessories	$	88.00	10 l.f.
297	Sikalastic Coating	Misc.	$	415.00	pail
294	Simple Green	BUR / SBS Roof Membrane	$	73.48	each
225	Single Ply Patch	Misc.	$	62.00	s.f.
221	Single Ply Trash Bags	Misc.	$	5.00	each
202	Splice Adhesive (gal.)	Single Ply & Accessories	$	68.00	gal
261	Surface Seal Top Coat	Modified & Accessories	$	498.00	pail
135	Tapered Foam Roof Insulation	Roof Insulation	$	5.00	s.f.
308	Tarp (20' x 30')	Misc.	$	99.70	each
370	Tarp (40' x 60')	Misc.	$	228.98	each
304	Termination Bar	Misc.	$	21.10	each
227	Top Coat Flex Seal (gal.)	Modified & Accessories	$	80.00	gal
234	TPO Membrane Tape	Single Ply & Accessories	$	12.00	l.f.
231	TPO Membrane, Single Ply	Single Ply & Accessories	$	2.36	s.f.
369	Trufuel - Gas/Fuel	Misc.	$	25.53	each
263	Washers/Gaskets	Misc.	$	0.30	each

Published By: Don Corthell, PSA
Reviewed By:

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, VP of Construction

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with H.W. Davis Construction, Inc. for V-00990 BHS HIGH SPEED DIVERTER (HSD) UPGRADE, at Orlando International Airport

BACKGROUND

The above-referenced project is to install eighteen (18) high speed diverters within the North Terminal Bag make up areas-E-POD. These diverters were direct purchased by GOAA and will be installed by JSM. H.W. Davis will provide construction management, permitting, maintenance of traffic, UON's, MEP modifications and modifications of BHS catwalks as needed to provide access for JSM to perform their scope.

ISSUES

Duration of the project is 90 calendar days for Substantial Completion and 45 calendar days for Final Completion, with an anticipated Notice-to-Proceed (NTP) date of July 2, 2024. 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:

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 06/12/24 as correct and available.

CC
ITEM IV-A
6/18/2024

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with above-referenced continuing contractor in the total direct-negotiated amount of $172,974.00, which includes a Lump Sum amount of $172,974.00 with allowance(s) totaling the amount $0.00 and waive the requirement for Performance and Payment Bonds.

The invoicing method for this Job Order Contract will be:

☒ Lump Sum (~~with or~~ 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).

Lump Sum	$172,974.00
Allowance(s) (NTE)	$0.00
TOTAL	**$172,974.00**
AAC – Compliance Review Date	6/12/2024 ZTG
AAC – Funding Eligibility Review Date	6/12/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with H W Davis Construction, Inc. for V-00990 BHS High Speed Diverter (HSD) Upgrade, Orlando International Airport

SMALL BUSINESS

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that H W Davis Construction, Inc. proposes 22.1% MWBE participation on this job order construction services addendum.

Our analysis indicates that H W Davis Construction, Inc. is eligible for award of the subject job order construction services addendum.

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 Approval of a Job Order Construction Services Addendum to the Continuing Vertical Construction Services Agreement with H W Davis Construction, Inc. for V-00990 BHS High Speed Diverter (HSD) Upgrade, Orlando International Airport**

1. Construction Information:

TOTAL: **$172,974.00**

2. MWBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0.0%
Asian Subcontinent American	-	Actual Result	0.0%
Black American	-	Actual Result	0.0%
Caucasian Female American	-	Actual Result	0.0%
Hispanic American	-	Actual Result	0.0%
Native American	38,190.00	Actual Result	22.1%
Other		Actual Result	0.0%
Total MWBE Participation	**38,190.00**	**Actual Result**	**22.1%**

3.a. Prime Contractor Information:

Name: **H W Davis Construction, Inc.**
Address: **1212 29th Street**
City, State, Zip: **Orlando, FL**
Telephone: **(407) 921-0480**

3.b. Name and Address of MWBE Subcontractor

Name: **First American Steel Erectors Corp.**
Address: 194 S 4th St
City, State, Zip: Lake Mary, FL 32746
Telephone: 407-687-1528

3.c. *Identity: Native American
Work Item(s): Catwalk removal
Amount of Subcontract $38,190.00
Percent of Prime Contract (%): 22.1%

4. Engineering/Professional Services Information:

TOTAL:

5. 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**	

6.b. Engineering / Professional Service Firm Information:

Name:
Address:
City, State, Zip:
Telephone:

6.b. Name and Address of MWBE 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 MWBE Subcontractors and E/PS Firms (e.g. Black American, Hispanic American, Asian Subcontinent American, Asian Pacific American, Caucasian Female American, Native American & Other)**

H W DAVIS CONSTRUCTION, INC.
CGC 056985

1212 29th Street | Orlando, FL 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

BID FORM

Date: May 20, 2024

Project V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

I/We, the undersigned, hereby affirm that I/We have examined the site of the Project, have become fully informed relative to local conditions which may affect work, that I/We have examined all of this Project's Contract Documents and have a thorough and satisfactory concept of the work to be performed.

We propose to furnish all equipment, materials, labor and services required for construction of this Project in accordance with the Project's Contract Documents, and will complete the work within a 5 week schedule duration.

We acknowledge Addenda #: none

Dated:

BID: $172,974
(Write in Figures)

(One Hundred Seventy Two Thousand Nine Hundred Seventy Four Dollars and No Cents)
(Write in Words)

Alternates: None

H.W. Davis Construction, Inc.
A Florida Corporation

John Glor
Project Manager

In submitting this Bid, the Bidder understands that the right is reserved by the Owner to reject any and all Bids. If written notice of the acceptance of this Bid is emailed, telegraphed or delivered to the Undersigned within twenty (20) days after the opening of thereof, the Undersigned agrees to execute and deliver an Agreement in the prescribed form within ten (I0) days after the Agreement is presented to him for signature.

Please see the attached bid breakdown which will become an attachment to the final contract.

H W DAVIS CONSTRUCTION, INC.
CGC 010775

1212 29th Street * Orlando, Fl 32805
(407) 849-1212 * Fax (407) 839-4068
website - hwdavis.com

Budget Breakdown

Project:
V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

Bid Date: May 20, 2024

Division Number and Description		Cost
1	General Conditions	$72,587
2	Demolition/Cleanup	$0
3	Concrete	$0
4	Masonry	$0
5	Metals	$43,919
6	Wood and Plastics	$0
7	Sealants	$0
8	Doors and Windows	$0
9	Finishes	$0
10	Specialties	$0
11	Equipment	$0
12	Furnishings	$0
13	Special Construction	$0
14	Conveying Systems	$0
15	Plumbing	$33,597
16	Electrical	$22,871
	Sub Total	$172,974
	Bond(included)	0
	Total	172,974

Scope:

Bid is based on drawing package provided by owner.
No permit costs are included.
Total duration figured at 10 weeks. 3rd shift.

H W DAVIS CONSTRUCTION, INC.
CGC 010775

1212 29th Street | Orlando, Fl 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

GENERAL ESTIMATE

Project:

V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

Add On:	Material Tax	6.50%	Bid Date:	**04/16/24**
	Labor Burden	41.00%	Today's Date:	05/20/24
	Overhead and Profit	15.00%	Time:	11:03 AM
	Bond (GOAA Method	0.00%	Square Footage	**3,500**

Div.	Description	Material	Labor	Sub-Contractor	Sub Total	Total with T & B	Total with T-B-OH&P-B	Division Total	Cost Per SF
1	General Conditions	8,775	37,960	250	46,985	63,119	72,587		20.74
	Barricades			0	0	0	0		0.00
	----------							72,587	
2	Demolition			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
3	Concrete - Allowance			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
4	Masonry: CMU			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
5	Miscellaneous Metals			0	0	0	0		0.00
	Catwalk removal			38,190	38,190	38,190	43,919		12.55
	----------							43,919	
6	Millwork			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
7	Sealants			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
8	Frames & Doors*			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
9	Metal Framing*				0	0	0		0.00
	other				0	0	0		0.00
	----------							0	
10	Toilet Partition			0	0	0	0		0.00
	Toilet / Bath Accessories				0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
11	O.F.C.I.			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
12	Window Treatment			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	

H W DAVIS CONSTRUCTION, INC.
CGC 010775

1212 29th Street | Orlando, Fl 32805
407-849-1212 | Fax 407-839-4068
www.hwdavis.com

GENERAL ESTIMATE

Project:

V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

Add On:	Material Tax	6.50%	Bid Date:	**04/16/24**	
	Labor Burden	41.00%	Today's Date:	05/20/24	
	Overhead and Profit	15.00%	Time:	11:03 AM	
	Bond (GOAA Method	0.00%	Square Footage	**3,500**	

Div.	Description	Material	Labor	Sub-Contractor	Sub Total	Total with T & B	Total with T-B-OH&P-B	Division Total	Cost Per SF
13	Metal Building			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
14	Elevator			0	0	0	0		0.00
	Other			0	0	0	0		0.00
	----------							0	
15	H.V.A.C.			0	0	0	0		0.00
	Plumbing				0	0	0		0.00
	Fire Sprinkler			29,215	29,215	29,215	33,597		9.60
	----------							33,597	
16	Electrical			19,888	19,888	19,888	22,871		6.53
	Fire Alarm				0	0	0		0.00
								22,871	6.53
	Subtotal	8,775	37,960	87,543	134,278	150,412	172,974	172,974	49.42
	Tax - Labor Burden	570	15,564	0	16,134				4.61
	Costs	9,345	53,524	87,543	150,412				42.97
	Overhead & Profit				22,562				6.45
	Subtotal				172,974				49.42
	Bond				0				0.00
	BID WITHOUT BUILDERS RISK				172,974				49.42
	Buiders Risk (this is added to Div 1 on the bid breakdown)				0				0.00
	Total Bid				172,974				49.42

H W DAVIS CONSTRUCTION, INC
CGC 010775

GENERAL CONDITIONS

Project: V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

Date: 05/20/24

Duration	Days		Weeks	Months
	84	Calendar	12.0	3.0
	60	Working		

	Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
1	1001	As Builts/Arch/Engineers	LS		LS			0	0	0
2	1050	Mobilize	M		LS	0			0	0
3	1100	Layout / Survey	S		LS			0	0	0
4	1150	Temporary Facilities								
5		Temporary Office	M		MO	0			0	
6		Storage Trailers	M		MO	0			0	
7		Office Supplies	M		MO	0			0	
8		Office Furniture	M		MO	0			0	
9		Toilet	M		MO	0			0	
10		Signs	M		LS	0			0	
11		Fire Protection	M		LS	0			0	
12		Ice-Cups: Material	M		DY	0			0	
13		Labor	L		DY		0		0	
14		Photographs	M		MO	0			0	
15		Safety / First Aid	M	25	MO	75			75	
16		Testing	S	0	LS			0	0	
17		1150 Subtotal								75
18	1200	Electric	M		MO	0			0	
19		Phones / Data								
20		Cell Phones	M	100	MO	300			300	
21		Land Line: Install	S		LS			0	0	
22		Monthly	M		MO	0			0	
23		Data Services	M		MO	0			0	
24		Water	M		MO	0			0	
25		1200 Subtotal								300
26	1250	Temporary Equipment								
27		Scaffold	M		MO	0			0	
28		Hoist / Crane	M		MO	0			0	
29		ICRA: Partitions	M		MO	0			0	
30		ICRA: Matts/Filters	M		MO	0			0	
31		ICRA: Air Scrubers	M		MO	0			0	
32		Dust Control	M		MO	0			0	
33		Phasing	M		MO	0			0	
34		Trucks	M		MO	0			0	
35		Barricades	M	200	MO	600			600	
36		Tractor - Forklift	M		MO	0			0	

H W DAVIS CONSTRUCTION, INC
CGC 010775

GENERAL CONDITIONS

Project: V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

Date: 05/20/24

Duration	Days		Weeks	Months
	84	Calendar	12.0	3.0
	60	Working		

	Cost Code	Description		Unit Price		Material	Labor	Sub	Total	Cost Code Subtotal
37		Generator	M		MO	0			0	
38		Vibrator	M		MO	0			0	
39		Small Tools	M	50	WK	600			600	
40		Misc. Materials	M		MO	0			0	
41	----------	1250 Subtotal								1,200
42	1300	Temporary Security								
43		Fence	M		LS	0			0	
44		GOAA badging/parking	S	100	LS			250	250	
45	----------	1300 Subtotal								250
46	1350	Truck Expense								
47		Pick-up	M	1,200	MO	3,600			3,600	
48	----------	1350 Subtotal								3,600
49	1400	Fuel	M	250	WK	3,000			3,000	
50		Tolls	M		DY	0			0	
51		Parking Fees	M		DY	0			0	
52	----------	1400 Subtotal								3,000
53	1500	Clean-up: Daily (8*25)	L		DY		0		0	
54		Daily Materials	M	10	DY	600			600	
55		Final	S		LS			0	0	
56	----------	1500 Subtotal								600
57	1560	Dumpster (.25 per Week)	M		WK	0			0	
58	----------	1560 Subtotal								0
59		Site Administration								
60	1600	Superintendent-Prime	L	1,880	WK		22,560		22,560	
61		Super - Night Shift	L		WK		0		0	
62		Secondary Supt.	L		WK		0		0	
63		Secondary Supt.	L		WK		0		0	
64	1605	Project Manager	L	1,200	WK		14,400		14,400	
65		PM - Pre-Const Srvcs	LS		LS		1,000		1,000	
66		Travel Allowance	M		WK	0			0	
67		Per Deim Allowance	S		WK			0	0	
68		Misc.: Material	M		WK	0			0	
69		Labor	L		WK		0		0	
70		Subcontractor	S		WK			0	0	37,960
						8,775	37,960	250	46,985	46,985
		Sales Tax / Labor Burden				570	15,564	0	16,134	
		Subtotal				9,345	53,524	250	63,119	
		Overhead and Profit							9,468	

H W DAVIS CONSTRUCTION, INC
CGC 010775

GENERAL CONDITIONS

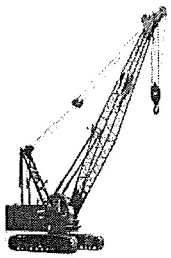
Project: V-00990 High Speed Diverters
GOAA-BHS-LVL2-E-POD

Date: 05/20/24

Duration	Days		Weeks	Months
	84	Calendar	12.0	3.0
	60	Working		

Cost Code	Description	Unit Price	Material	Labor	Sub	Total	Cost Code Subtotal
	Subtotal					72,587	
	Bond					0	
	Total					72,587	

	Week	Month
General Conditions Cost	6,049	24,196



Kevin Doxtater
Structural Steel
Shear Studs

Mobile: (407) 687-1528
Email: kevindfase@aol.com

FIRST AMERICAN STEEL ERECTORS CORP.
P.O. Box 953455
Lake Mary, Florida 32795-3455

Proposal: HWD-04

Proposal Submitted:	Job #	Date:
H W DAVIS		05/20/2024
Street:	Job Name	
1212 29TH STREET	ORLANDO INTERNATIONAL AIRPORT – TERMINAL A & B	
City, State and Zip Code:	Job Location:	
ORLANDO, FL 32805	1 JEFF FUQUA BLVD, ORLANDO, FL 32827	
	Contact Number:	Email:
JOHN GLOR	407-310-5737	jglor@hwdavis.com

PHASE 1

PROPOSAL TO REMOVE AND REPLACE GRADING AT SIXTEEN LOCATIONS

LABOR WILL BE PERFORMED AT NIGHT

PERMISSION TO REMOVE GRADING AT LEAST AT TWO LOCATION PER NIGHT

1. LABOR: 3 MEN X 8 HOURS X 16 NIGHTS X $85 PER HOUR =	$32,640.00
2. PRE-ERECTION MEETINGS 20 HOURS=	$ 1,700.00
3. COMMERCIAL AUTO UPGRADE UNBRELLA LIABILITY COST=	$. 3,500.00
4. OIA CONSTUCTION IDENTIFICATION BADGE $100 PER PERSON=	$ 300.00
5. TRUCK DECALS 2 @ $25 EACH =	$ 50.00
TOTAL:	$38,190.00

WE PROPOSE hereby to furnish tools and labor-complete in accordance with above specifications, for the sum of: $38,190.00

Remit Payment to: FIRST AMERICAN STEEL ERECTORS CORPORATION
P. O. BOX 953455
LAKE MARY, FL 32795-3455

All work to be completed in a substantial workman like manner according to specification submitted, per standard practices. Any alterations or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delay beyond our control.
Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature: _____

Print: _____ Title: _____

ACCEPTANCE OF PROPOSAL to the above prices, specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified.
Proposal is valid for 30 days. Payment will be made as outline above.

Signature: _____ Date: _____

Print _____ Title _____

Southern Fire Protection of Orlando, Inc.

3801 E. SR 46, Sanford, FL 32771-9155 Phone: (407) 323-4200 ChristyC@Southernfire.net

From: Christy Caldwell
Date: 4.25.2024

GOAA BHS DIVERTERS B SIDE
OIA ORLANDO

Base Bid:

- Demo the existing sprinkler pipe, fittings, hangers, sprinklers, head guards, & drain valves to allow for the replacement of the diverters throughout B Side baggage area only.
- Once the diverter is replaced, SFP will return & install the original pipe, fittings, hangers, drain valves, but install new sprinkler heads with head guards.
- The sprinklers are brass upright 200 degree to match existing and will be installed with a head guard.
- The work is required at B Side column lines: 11,12,13,14,15, 17 & 2 only.
- The price includes labor, material, travel, badging, and one trip for the valve and switch locations.
- All work must be completed after regular business hours.

Price: $ 29,215.00

All work & materials will be done in accordance with NFPA 13 & all applicable local codes.
All piping will meet ASTM A120 and ASTM A135 standards.

The following are specifically excluded:

Painting, patching, electrical wiring, relocation of existing mains or lines unless noted above, upgrades to the existing roof system, shutdown fees, fire watch, Liability for leakage or damage as a result of hydrostatic testing of existing systems or certification of piping installed by others, hydraulic calculations, installation of additional hangers on existing system, insulation, new branch lines, galvanized pipe or fittings, plans, permit, permit fees, inspections.

Pipe Qualifications:
Be advised the above price includes current pricing for black steel pipe. Due to recent letters received from all the steel pipe mills, we are not certain our suppliers will be able to hold their pipe pricing. As a result, we reserve the right at the time of signing and at the time of material ordering, to adjust the cost of materials in this bid. This will also apply to multiple orders on long duration projects. If costs are reduced, savings shall be passed on to the buyer as well.

Labor: All work will be done by skilled, A.B.C. /F.A.S.T. (Florida Automatic Sprinkler Training) sprinkler fitters, without union affiliation, during normal working hours and days and when complete will be subject to inspection by the local fire department

Quote is good for 60 days

Accepted by: _____ **Date:** _____

Credibility • Integrity

HW DAVIS
GENERAL CONTRACTOR, INC.

CHANGE ORDER PROPOSAL BREAKDOWN
PROJECT NAME: GOAA BHS DIVERTER

DATE 6.11.24
SFP CONTRACT NO.
C/O NO.

DESCRIPTION of CHANGE: Demo the existing, pipe, fittings, hangers, sprinklers, head guards, & drain valves to allow for the replacement of the diverters throughout B side only. Once the diverter is replaced, SFP will return & install the original pipe, fittings, hangers, drains, head guards & install new sprinklers. Replace any damaged or corroded materials as required. The price inlcudes one trip for valve & switch locates, labor, material, badging, & vehicle.

				MATERIAL	MATERIAL	LABOR	LABOR	EQUIPMENT	SUBCONT.	TOTAL
LINE #	SCOPE/DESCRIPTION	QUANTITY	ITEM	UNIT COST	COST	UNIT COST	COST	COST	COST	COST
1										$ -
2	MATERIALS pipe fittings hangers	0		$ -	$ 1,942.77					$ 1,942.77
3	remove, alter, reinstall								-	$ -
4	bulk estimated material cost									$ -
5	SUPERVISION (7.06% Labor)		-							$ -
6	FOREMAN	163	M/H			$ 43.33	$ 7,062.79			$ 7,062.79
7	FITTER	163	M/H			$ 34.59	$ 5,638.17			$ 5,638.17
8	DESIGNER	8	M/H			$ 51.52	$ 412.16			$ 412.16
9	FAB	11	M/H			$ 37.95	$ 417.45			$ 417.45
10	Vehicle	163				$ 14.63		2,384.69		2,384.69
11	PERMIT & SEAL		0.00					$ -		$ -
12	TOOLS EQUIPMENT (3% Labor)							$ -		$ -
	SUBTOTALS				1,942.77		13,530.57			17,858.03
	SALES TAX @ 7%				$ 135.99					$ 135.99
	LABOR BURDEN 42% (includes insurance)						$ 5,682.84			$ 5,682.84
	Workers Comp/Group Ins/Tools/Supplies/Training/Safety/Uniforms/Supervision						$ 1,727.85			$ 1,727.85
	SUBTOTAL SELF PERFORMED WORK									$ 25,404.72
	15% OH & P ON SELF PERFORMED WORK									$ 3,810.71
	TOTAL COST SELF PERFORMED WORK									$ 29,215.42
	SUBCONTRACTED WORK									
	5% OH & P ON COST OF SUB WORK									
	TOTAL COST OF WORK									$ 29,215.42
	TOTAL COST									29,215

SOUTHERN FIRE PROTECTION OF ORLANDO, INC.
3801 EAST S.R. 46, SANFORD, FL 32771-9155
PHONE: (407) 323-4200 FAX: (407) 328-8931
E-MAIL: christyc@southernfire.net

Electric Services, Inc.

INDUSTRIAL COMMERCIAL ELECTRICAL CONTRACTORS & ENGINEERS

EC#13004103 CA#9435

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

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

Date: 4/22/2024

H W Davis Construction, Inc.
1212 29th Street
Orlando, FL 32805
Attn: John Glor

Project: **GOAA Catwalk Lighting Removal & Reinstall**

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 general scope of work below.

GENERAL SCOPE OF WORK:

1. Remove existing catwalk lighting, and safe-off, to allow for the installation of baggage diverters. Total of sixteen (16) areas.
2. Reinstallation of removed lights after baggage diverter installation. Total of sixteen (16) diverters.
3. Work to be completed at nights.

LIMITATIONS & EXCLUSIONS:

1. Existing light fixtures and associated circuitry and materials to be re-used.
2. Removal and installation of baggage diverter is by others.
3. Repairs of existing light fixture has not been included. Additional cost will be required for light fixture replacement or repairs.
4. No BHS cabling, controls or conduit modifications has been included.
5. No permit cost or permit documents has been included.
6. No overtime or weekend labor has been included.
7. Proposal good for up to 30-days.

BASE BID: **$19,888.00**

Respectfully,

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

Electric Services, Inc.

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

SUMMARY SHEET

GOAA Catwalk Lighting Removal & Reinstall

April 22, 2024

ITEM NO.	Self-Performed - By Electric Services	MATERIAL-DOLLARS	LABOR-HOURS
1	BOM	780.83	204.14
	Subcontractors Quotes		
	TOTAL - SUBCONTRACTORS QUOTES	$ -	

ADDITIONAL LABOR	HOURS				
Handling Material	10.21	Miscellaneous Material and Labor		$ 780.83	204.14
Superintendent		Sales Tax		54.66	0.00
Project Foreman	20.41	Additional Labor			30.62
Contractual Negotiations		TOTALS - MATERIAL & SUB		$ 835.48	234.77
Estimating		9.77	Standard Hours Labor @	$ 40.00	390.60
TOTAL (A)	30.62	225.00	Non-standard Labor @	$ 43.00	9,675.00
					0.00

UNITS	JOB EXPENSE	RATE	DOLLARS
117.4	Field Truck - hrs	$ 9.50	$ 1,115.13
3.0	Field office - wks	$ 350.00	$ 1,050.00
0.0	Dumpster Disp.	$ 350.00	$ -
	Lull	$ 75.00	$ -
0.0	30' Scisrs Lift - mth	$ 1,750.00	$ -
	JOB EXPENSE		
Permitting			$ -
Travel			$ -
S&S permit drawings			$ -
Small Tools - Consumable			$ -
Equipment Rental Cost - metering			$ -
		TOTAL (B)	$ 2,165.13

Labor Hours Subtotal Labor	10,065.60
42% Labor Burden	4,227.55
LABOR COST GROSS TOTAL	14,293.15
Equipment/Tool Expense (B)	2,165.13
Material Cost & Sub	835.48
TOTAL PRIME COST	17,293.77
15% ESI-Over Head & Profit	2,594.07
10% Sub - Overhead & Profit	0.00
TOTAL NET COST	19,887.84
Selling Price without Bond	19,887.84
1.0% Bond	n/a
Selling Price with Bond	19,887.84
"PRICE QUOTED"	**$19,888.00**

Electric Services, Inc.

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

SUMMARY SHEET

GOAA Catwalk Lighting Removal & Reinstall

April 22, 2024

Quantity	Item Name	Material	U	Labor	U	Ext. Material	Ext. Labor
16	Remove & reinstall lighting at cat-walk	5.00	E	10.00	E	80.00	160.00
1500	# 12 THHN/THWN SOL	263.25	M	0.62	C	394.88	9.30
50	WIRE NUTS YELLOW	41.85	M	0.06	E	2.09	2.99
150	EMT 3/4	155.25	C	0.06	E	232.88	9.30
1	Meetings and coordination	0.00	E	4.00	E	0.00	4.00
1	GENERAL CONDITIONS & MISC. MAT'L					70.98	18.56
	TOTAL					$780.83	204.14

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:

Installation of eighteen (18) High Speed Diverters at the North Terminal Bagroom in E-POD

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

install eighteen (18) high speed diverters within the North Terminal Bag make up areas-E-POD, provide coordination, permitting, UON and MOT notifications, safety, misc. steel and MEP relocation.

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 BHS operations to maintain operations.

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 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 departments or vendors operating within the of the APM/ITF.

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:
2. Primary work will be night work, roofing and any other work that does not interfere with BHS Operations can be conducted during daytime hours

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

OAR Summary of Probable Construction Costs

V-00990 Estimate

6.3.24

				Materials		Labor			
Item No.	**HSD Mods**	**Qty**	**Units**	**Unit Cost**	**Material Cost**	**Man hours**	**Unit Cost**	**Labor Cost**	**Subtotals**
1	Steel BHS platform removal, reinstall, rigging support, misc. rods and steel	1	LS	$ 2,200.00	$ 2,200.00	384	$ 75.00	$ 28,800.00	$ 31,000.00
2	Fire Sprinkler Mods-removal, replace, mods, UONs, misc. fittings during shutdowns	36	EA	$ 325.00	$ 11,700.00	290	$ 48.00	$ 13,920.00	$ 25,620.00
	Permit with design	1	EA	$ 4,500.00	$ 4,500.00	0	$ -	$ -	$ 4,500.00
	Badging secure area Southern	1	LS	$ 350.00	$ 350.00	0	$ 49.00	$ -	$ 350.00
	Vehicle	3	MO	$ 850.00	$ 2,550.00	0	$ 49.00	$ -	$ 2,550.00
3	Electrical-remove lighting and circuits	18	EA	$ 125.00	$ 2,250.00	110	$ 43.00	$ 4,730.00	$ 6,980.00
4	Electrical - temp lighting	18	EA	$ 750.00	$ 13,500.00	210	$ 43.00	$ 9,030.00	$ 22,530.00
15	Badging secure area ESI	1	LS	$ 350.00	$ 350.00	0	$ 43.00	$ -	$ 350.00
16									
17				Materials	$ 37,400.00	994	Labor	$ 56,480.00	
18				7% Tax	$ 2,618.00		Burden	$ 23,721.60	
19				Total Mat.	$ 40,018.00		Labor Total	$ 80,201.60	
20	Team meetings with OPS all trades	6	EA	$ 625.00					$ 3,750.00
21	Mobilization/set up deliveries of materials	1	EA	$ 750.00					$ 750.00
22								Labor and Material Total	$ 124,719.60
24									
25	**Contractor Support**			**Labor/Misc.**				Contractor Support	$ 28,429.80
26	Working Foreman	240	HRS	$ 47.00	$ 11,280.00				$ 153,149.40
27	Skilled Labor	15	HRS	$ 36.00	$ 540.00			GC Mark-up 10%	$ 15,314.94
28	Escort in secure area	60	HRS	$ 36.00	$ 2,160.00		'ayment and Pefomance Bon		$0.00
29	MOT-Adjust barricades as work progresses at each location	36	HRS	$ 35.00	$ 1,260.00				
30	UON Support/Coordination	1	LS	$ 450.00	$ 450.00			Grand Total	$ 168,464.34
31	Lifts x 2	3	MO	$ 650.00	$ 3,900.00				
32	Phone X 2	1.5	MO	$ 150.00	$ 337.50				
33	Truck x 2	1.5	MO	$ 850.00	$ 1,912.50				
34	Dumpsters/Debris Removal-will use on site exisitng/site clean during operations	1	LS	$ 650.00	$ 650.00				
35	Electrical Design Drawings and Permit	0	LS	$ 4,500.00	$ -				
36				Labor	$ 15,690.00				
37				Burden 42%	$ 6,589.80				
38				Equipment	$ 6,150.00	$ 28,429.80			

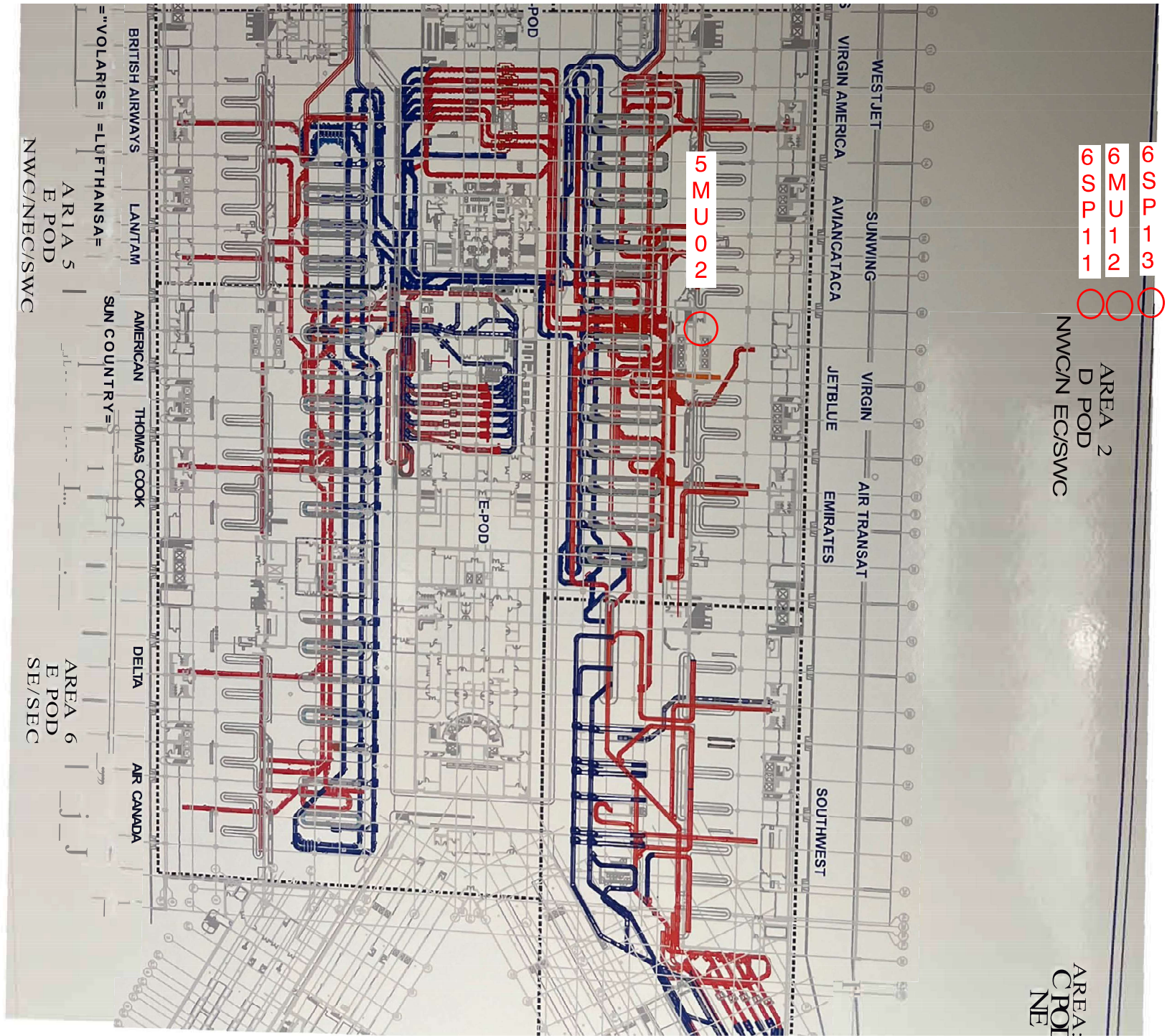
4.11.24

1.Night work
2.12 hour window
3.1500-0300/5 day work week. Sun-Thu
4.First few will need modification
5.1/week for the first two weeks
6.2/week on lvl 1
7.Scope duration-May '24 to AUG '24
8.HWD to perform enabling scope in preparation for JSM at each of the 16 diverters (Sprinklers, lighting, platform mods, etc.)
9.HWD will need to secure platforms safely with some kind of physical barrier.

10.Night one-enabling work (fire sprinkler & relocation of utilities auto make way for diverters
11.Need JSM to provide schedule-notify airlines ahead of time.

12.BHS to mark up DWG identifying all airlines at each location
13.Keep from attaching any systems to the catwalk! (Lights, sprinklers, etc).

16- Diverters for E-Pod
16- sprinkler moves
16- platform mods
1- LS lighting reconfiguration



Published By: Name of Preparer of CC Memo
Reviewed By:

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Commitee

FROM: Tuan Nguyen, P.E., Assistant Vice President

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Civil Engineering Services Agreement with AVCON, Inc. for Design Services for V-01031 ORL Airport Beacon Replacement at the Orlando Executive Airport.

BACKGROUND

On March 15, 2023, the Procurement Commitee recommended to the Aviation Authority Board to approve an agreement for Continuing Civil Engineering Services with AVCON, Inc. The agreement was approved by the Aviation Authority Board on that day.

The continuing civil engineering consulting services will be for projects at the Orlando International Airport, Orlando Executive Airport and Other Facilities operated by the Aviation Authority with a contract amount that does not exceed $4 million, in accordance with Aviation Authority policies. This procurement is to provide continuing civil engineering services and related professional services, including but not limited to, civil, traffic, environmental, structural evaluation and design; landscape and irrigation design; utilities and infrastructure design; airfield design; roadway and signage design; surveying; cost estimating; scheduling; geotechnical services; stormwater management consulting and design services; and all other related services including coordination with the Aviation Authority, its Consultants, the City or Orlando and all agencies having jurisdiction over the facilities such as the Federal Aviation Administration, the Transportation Security Administration, the Florida Department of Transportation, and the Orlando Utilities Commission.

The Services may also include studies and preparation of reports involving scope definition and validation of projects, analysis of design parameters, budget development, evaluation and documentation of existing conditions; design, bid/procurement and award, design/build, design criteria package development, permitting, construction administration, resident engineering, master document support, technical support and review of documents prepared by others, design management support on various Aviation Authority projects and all other engineering and related professional services which may be required where the Aviation Authority elects not to solicit leters of interest by means of public advertisement. The terms of these continuing agreements shall be for a period of five years.

ISSUES

Consultant's proposal, dated 6/06/2024, is to provide the Design, Bid & Award Phase services for the referenced project. Refer to the atached proposal for more details.

If approved, services will be effective the date of Construction Commitee approval.

CC
ITEM IV-B
6/18/2024

This continuing consultant was selected for this task based on (☑ all that apply):

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

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from the Florida Department of Transportation (FDOT) Grant to the extent eligible, and previously approved ORL Revenue Funds: 901.443.871.5640001.000.501717. Funding source verified by Melvin Martinez of Construction Finance on 06 / 12 / 24 as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Civil Engineering Services Agreement with AVCON, Inc. for the services contained herein and the amount as shown below:

Not to Exceed Fees	$55,237.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$2,515.00
TOTAL	**$57,752.00**
AAC – Compliance Review Date	JM 6/11/2024
AAC – Funding Eligibility Review Date	6/11/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: May 28, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Civil Engineering Services Agreement with AVCON, Inc. for the Design Services for V-01031 ORL Airport Beacon Replacement, Orlando Executive Airport.

SMALL BUSINESS

We have reviewed the qualifications of the subject contract's DBE specifications and determined that AVCON, Inc. proposes 15.6% DBE participation on this addendum.

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 Approval of an Addendum to the Continuing Civil Engineering Services Agreement with AVCON, Inc. for the Design Services for V-01031 ORL Airport Beacon Replacement, Orlando Executive Airport.**

1. Construction Information:

Addendum 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:

Addendum Amount: **$57,752.00**

5. DBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0.0%
Asian Subcontinent American	-	Actual Result	0.0%
Black American	-	Actual Result	0.0%
Caucasian Female American	2,515.00	Actual Result	4.4%
Hispanic American	6,513.00	Actual Result	11.3%
Native American	-	Actual Result	0.0%
Other		Actual Result	0.0%
Total DBE Participation	**9,028.00**	**Actual Result**	**15.6%**

6.b. Engineering / Professional Service Firm Information:

Name: **AVCON, Inc.**
Address: **5555 E. Michigan Street, Suite 200**
City, State, Zip: **Orlando, FL 32822**
Telephone: **(407) 599-1122**

6.b. Name and Address of DBE Subconsultant

Name: **Please see attached**
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)**

DBE Subcontractor/Subconsultant Certification

Project Name & Number:	**Request for Approval of an Addendum to the Continuing Civil Engineering Services Agreement with AVCON, Inc. for the Design Services for V-01031 ORL Airport Beacon Replacement, Orlando Executive Airport.**
Prime Firm:	**AVCON, Inc.**
Addendum Amount:	**$57,752.00**

Company Name	**CAL-TECH TESTING INC**	**ECHO UES, INC.**
Address	3309 SW SR-247	16514 N DALE MABRY HWY
City, State, Zip	LAKE CITY, FL 32024	TAMPA, FL 33618-1325
Phone	386-755-3633	888-778-3246
Identity	Caucasian Female American	Hispanic American
Work Item	Geotechnical Investigations	Topographic Survey Services
Amount of Subcontract	$2,515.00	6,513.00
Percentage	4.4%	11.3%
Company Name		
Address		
City, State, Zip		
Phone		
Identity		
Work Item		
Amount of Subcontract		
Percentage		
Company Name		
Address		
City, State, Zip		
Phone		
Identity		
Work Item		
Amount of Subcontract		
Percentage		
Company Name		
Address		
City, State, Zip		
Phone		
Identity		
Work Item		
Amount of Subcontract		
Percentage		

$9,028.00	**15.6%**
$57,752.00	

AVCON, INC.
Engineers & Planners

5555 E. Michigan St., Suite 200
Orlando, Florida 32822
Phone: (407) 599-1122
Fax: (407) 599-1133
www.avconinc.com

June 6, 2024

Mr. Tuan Nguyen, P.E.
Associate Vice President - Engineering
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

Reference: **Transmittal of Scope and Fee Proposal**
V-01031, ORL Airport Beacon Replacement
Orlando Executive Airport

Dear Ms. Jarrette:

In accordance with your request, AVCON is pleased to provide this proposal for engineering services to provide design and bidding support for the project "V-01031, ORL Airport Beacon Replacement" at Orlando Executive Airport. This project will be the culmination of the previous beacon assessments and condition evaluations, last reported in W-0447.

The photo below shows the existing beacon location.



Orlando Executive Airport Rotating Beacon - 2015

Airport rotating beacons typically have an expected life of up to 20 years depending upon the impacts of environmental conditions, as well as the quality and frequency of the maintenance performed over the life of the equipment. The Airport's existing L-802A high intensity rotating beacon is estimated to be approximately 45 years old and well beyond its useful life. In addition, the existing beacon's manufacturer stopped making this model in the 1970's.

Short-term basic service/repair efforts were completed in 2017 during the H-274 "Airfield Improvement Project" to keep the existing beacon in working order until funding was made available for a complete replacement. These efforts included: replacing the existing bulb with a longer-life, metal halide lamp; inspection/repair of the existing fall protection system; re-painting the existing beacon and pole; and various grounding improvements.

Due to the condition of the existing equipment, GOAA Maintenance staff no longer climbs the pole to service the rotating beacon and appurtenances. A rental lift has been utilized to perform the above-recommended items. While it should be noted that the existing beacon does have some salvage value for parts, the overall unit has served well beyond its useful life. In conjunction with the beacon, the existing pole assembly has also served beyond its useful life and no longer meets any of the current wind loading and hurricane rating requirements for central Florida.

In addition to siting the new Airport Rotating Beacon location, the following features will be considered:

A. Beacon Height – the current beacon height (estimated at 65' AGL) in its current location is too low, causing a reflection of light off surrounding hangar buildings. The proposed beacon height will be dependent upon the new beacon's location;
B. Type of Beacon – LED or Halogen;
C. Lightning Protection / Grounding / Power source;
D. Exterior Considerations – Maintenance access, fencing, lift equipment, replacement parts, etc.; and
E. Facility Concept Layout

Based on previous studies and evaluations, it is proposed to replace the beacon in nearly the identical location to avoid changes to the beacon sweep and the potential to engage new airport neighbors with a new unintended light emitting source. Further, based on updated technologies and availability for pole and foundation capabilities, it is proposed to utilize a tilt-mounted mast which allows for routine maintenance to be performed at the ground level. The siting will validate a laydown area to accommodate the full pole length on the ground without impact to the adjacent roads or drives.

DESIGN ASSUMPTIONS:

1. A minor topographic survey effort is proposed;
2. A geotechnical boring will be provided for the proposed foundation caisson;
3. Design Drawings will consist of a civil site plan and structural/electrical and mechanical details to reflect a new beacon installation, including new foundation;
4. Electrical drawings will include new construction at the beacon site, and upgrade to the link from the airport lighting vault and ATCT for operational control;
5. Standard manufacturer detail drawings will be utilized. Other project specific details will be developed as necessary;
6. The Project Manual will include limited technical specifications as necessary, with standard continuing contractor GOAA Front-end documents;
7. No City of Orlando or St. Johns River Water Management District permitting is proposed;
8. The work is entirely outside the Air Operations Area; therefore, no AOA coordination is necessary;
9. The new beacon is proposed to be approximately 10-feet taller than existing, and an FAA 7460 filing will be performed for the installation; and
10. The project will be bid among GOAA's continuing construction contractors.

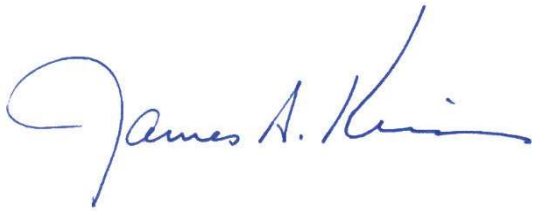
Based on the enclosed scope of work, and the attached C-Tables fee breakdown, we have identified a total **Not-to-Exceed** fee of **Fifty-five thousand two hundred thirty-seven and no/100 dollars ($55,237.00)** and **Not-to-Exceed** expenses of **Two thousand five hundred fifteen and no/100 dollars ($2,515.00)** for this assignment.

Mr. Mark Goodacre, ACE will serve as Project Manager for this assignment, and Mr. Jim Kriss, P.E. will serve as Principal-in-Charge and QA Review Manager. AVCON has identified the project survey and geotechnical boring and report as DBE roles for this assignment, providing a total of **15.63%** DBE participation. Including AVCON, this effort will be 100% MBE participation.

Thank you again for the opportunity to serve you on this important project. We look forward to working with you and the Authority to ensure a successful project delivery.

Sincerely,

AVCON, INC.



For

Mr. Mark Goodacre, ACE
Airfield Lighting Design Manager

Enclosures

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

V01031 - ORL Airport Beacon Replacement

Phase of Project:	Programming	Design Devel (60%)	Const Docs (95%)	Bid & Award		SUBTOTAL	Const. Admin.	Record Documents	TOTAL CONTRACT
1.0 Lump Sum Fee:	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
2.0 Not to Exceed Reimbursable Fees:	$14,347.00	$18,208.00	$15,890.00	$6,792.00	$0	$55,237.00	$0	$0	**$55,237.00**
3.0 Not to Exceed Reimbursable Expenses:	$2,515.00	$0.00	$0.00	$0.00	$0	$2,515.00	$0	$0	**$2,515.00**
4.0 TOTAL CONTRACT VALUE:	**$16,862.00**	**$18,208**	**$15,890**	**$6,792**	**$0**	**$57,752.00**	**$0**	**$0**	$57,752.00
Total Lump Sum Labor Hours:	0	0	0	0	0	0	0	0	**0**
Total Not to Exceed Reimbursable Labor Hours:	78	126	103	45	0	352	0	0	**352**
TOTAL LABOR HOURS:	**78**	**126**	**103**	**45**	**0**	**352**	**0**	**0**	352
Average Hourly Rate:									**$156.92**

Notes:
1. The lump sum cells in Table C-1 are linked to Table C-2 values
2. The Not to Exceed cells in Table C-1 are linked to Table C-4 values
3. The linked cells are based on a maximum of 5 subconsultants; if more than 5 are included enter all values manually.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

V01031 - ORL Airport Beacon Replacement

Phase of Project:	Programming		Design Devel (60%)		Const Docs (95%)		Bid & Award								TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Consultant - AVCON, Inc.																	
Not to Exceed Reimbursable Fee	40	$7,834	126	$18,208	103	$15,890	45	$6,792	0	$0	0	$0	0	$0	314	$48,724.00	$155.17
Not to Exceed Reimbursable Expenses		$0												$0		$0	
Sub-Total Designer	**40**	**$7,834**	**126**	**$18,208**	**103**	**$15,890**	**45**	**$6,792**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**314**	**$48,724.00**	$155.17
Subconsultant - ECHO UES, Inc.																	
Not to Exceed Reimbursable Fee	38	$6,513.00	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	38	$6,513.00	$171.39
Not to Exceed Reimbursable Expenses		$0		$0										$0		$0	
Sub-Total Subconsultant No. 1	**38**	**$6,513.00**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**38**	**$6,513.00**	$171.39
Subconsultant - Cal-Tech Testing, Inc.																	
Not to Exceed Reimbursable Fee	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses		$2,515														$2,515	
Sub-Total Subconsultant No. 2	**0**	**$2,515**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$2,515.00**	#DIV/0!
Subconsultant No. 3																	
Not to Exceed Reimbursable Fee	0		0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 3	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Subconsultant No. 4																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 4	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Subconsultant No. 5																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 5	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0.00**	**0**	**$0**	#DIV/0!
Total Not to Exceed Fee:	**78**	**$14,347.00**	**126**	**$18,208**	**103**	**$15,890**	**45**	**$6,792**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**352**	**$55,237.00**	$156.92
Total Not to Exceed Expenses:	**0**	**$2,515.00**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$2,515.00**	#DIV/0!

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT-TO-EXCEED REIMBURSABLE FEES

V01031 - ORL Airport Beacon Replacement

Position:	PRINCIPAL		PROJECT MANAGER		SR. ENGINEER		PROJECT ENGINEER		SR CAD DESIGNER		ADMINISTRATIVE/ CLERICAL		TOTAL		
Rate ($/Hour):	$312		$240		$207		$143		$131		$91				Avg. Hourly
AVCON, Inc.	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Programming															
1. Attend a kickoff Meeting in the field with GOAA to finalize all elements of the proposed scope of work; this meeting will ensure that all scope items are full vetted and incorporated into the desired project;	2	$624	0	$0	4	$828	4	$572	0	$0	0	$0	10	$2,024	$202.40
2. Coordinate Scopes and Obtain subconsultant data from Surveying and Testing consultants	0	$0	2	$480	4	$828	0	$0	2	$262	0	$0	8	$1,570	$196.25
3. Coordinate with GOAA to file for FAA OEAAA 7460	0	$0	2	$480	2	$414	0	$0	0	$0	0	$0	4	$894	$223.50
4. Compile pertinent design background information and vendor material documentation; and	0	$0	4	$960	4	$828	8	$1,144	0	$0	0	$0	16	$2,932	$183.25
5. Provide an updated estimate of probable costs.	0	$0	0	$0	2	$414	0	$0	0	$0	0	$0	2	$414	$207.00
Sub-Total Preliminary Design	**2**	**$624**	**8**	**$1,920**	**16**	**$3,312**	**12**	**$1,716**	**2**	**$262**	**0**	**$0**	**40**	**$7,834**	**$195.85**
Design Development (60%)															
1. Prepare 60% Drawings	0	$0	0	$0	4	$828	8	$1,144	32	$4,192	0	$0	44	$6,164	$140.09
2. Compile and Update Project Technical Specifications	0	$0	1	$240	2	$414	8	$1,144	0	$0	8	$728	19	$2,526	$132.95
3. Evaluate the geotechnical data and provide the caisson foundation design	0	$0	1	$240	2	$414	2	$286	4	$524	0	$0	9	$1,464	$162.67
4. Compile all Electrical Design data to provide power supply and controls to the new beacon from the lighting vault	0	$0	1	$240	4	$828	20	$2,860	0	$0	0	$0	25	$3,928	$157.12
5. Assemble a full set of design documents, CSPP, staging, phasing and other documents	1	$312	2	$480	2	$414	8	$1,144	8	$1,048	8	$728	29	$4,126	$142.28
Sub-Total Design Development (60%)	**1**	**$312**	**5**	**$1,200**	**14**	**$2,898**	**46**	**$6,578**	**44**	**$5,764**	**16**	**$1,456**	**126**	**$18,208**	**$144.51**
Construction Documents (95%)															
1. Finalize 90% Drawings	0	$0	0	$0	4	$828	8	$1,144	12	$1,572	0	$0	24	$3,544	$147.67
2. Finalize Project Technical Specifications	0	$0	0	$0	2	$414	8	$1,144	0	$0	8	$728	18	$2,286	$127.00
3. Finalize the caisson foundation design	0	$0	1	$240	4	$828	0	$0	0	$0	0	$0	5	$1,068	$213.60
4. Finalize all Electrical Design data to provide power supply and controls to the new beacon from the lighting vault	0	$0	1	$240	2	$414	4	$572	0	$0	0	$0	7	$1,226	$175.14
5. Assemble a final set of design documents, CSPP, staging, phasing and other documents	1	$312	2	$480	2	$414	4	$572	8	$1,048	4	$364	21	$3,190	$151.90
6. Integrate GOAA Dividion 0 Construction Documents	0	$0	2	$480	2	$414	0	$0	0	$0	2	$182	6	$1,076	$179.33
7. Update/Reconcile Opinion of Probable Const. Cost	0	$0	2	$480	4	$828	8	$1,144	8	$1,048	0	$0	22	$3,500	$159.09
Sub-Total Construction Documents (95%)	**1**	**$312**	**8**	**$1,920**	**20**	**$4,140**	**32**	**$4,576**	**28**	**$3,668**	**14**	**$1,274**	**103**	**$15,890**	**$154.27**
Bidding and Award - (Continuing Contractors)															
1. Resolve 95% Comments on Drawings/ Specs/Documents	0	$0	1	$240	4	$828	8	$1,144	0	$0	0	$0	13	$2,212	$170.15
2. Prepare/Reproduce/Distribute Bid Documents	0	$0	2	$480	2	$414	2	$286	8	$1,048	8	$728	22	$2,956	$134.36
3. Prepare/Reproduce/Distribute Bid Addenda	0	$0	2	$480	2	$414	2	$286	2	$262	2	$182	10	$1,624	$162.40
Sub-Total Bidding and Award	**0**	**$0**	**5**	**$1,200**	**8**	**$1,656**	**12**	**$1,716**	**10**	**$1,310**	**10**	**$910**	**45**	**$6,792**	**$150.93**
Construction Administration															
Prepare/Reproduce/Distribute Conformed Documents/Drawings	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Attend Pre-NTP Meeting	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Attend Pre-Construction Conference	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Attend JCMs	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Site Visits (4)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Review Contractor's Submittals	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Review Contractor's Invoices	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Responses to Contractor RFIs	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Substantial Completion Inspection	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Final Completion Inspection	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Construction Administration	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
Project Closeout															
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Closeout	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
TOTAL NOT-TO-EXCEED REIMBURSABLE FEE:	**4**	**$1,248**	**26**	**$6,240**	**58**	**$12,006**	**102**	**$14,586**	**84**	**$11,004**	**40**	**$3,640**	**314**	**$48,724**	**$155.17**

NOTES:

1. A separate spreadsheet is required for each consultant/subconsultant with any portion of it's services to be compensated on a not to exceed reimbursable basis.
2. Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT-TO-EXCEED REIMBURSABLE FEES

V01031 - ORL Airport Beacon Replacement

Position: ECHO	3 PERSON SURVEY CREW		3 PERSON SURVEY CREW		SENIOR SUREVYOR / PM		SURVEYOR		CADD DRAFTSMAN		SENIOR ADMINISTRATIVE ASST.		TOTAL		
Rate ($/Hour):	$195		$195		$278		$161		$96		$93				Avg. Hourly
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Preliminary Design															
UES Services and Topotgraphic Surveys	2	$390	8	$1,560	0	$0	0	$0	0	$0	0	$0	10	$1,950	$195
UES Services Office Support	0	$0	0	$0	2	$556	0	$0	3	$288	0	$0	5	$844	$169
Topographic Surveys	0	$0	8	$1,560	0	$0	0	$0	0	$0	0	$0	8	$1,560	$195
Topotgraphic Surveys Office Support	0	$0	0	$0	4	$1,112	0	$0	8	$768	3	$279	15	$2,159	$144
Other Activities (List)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Sub-Total Preliminary Design	**2**	**$390**	**16**	**$3,120**	**6**	**$1,668**	**0**	**$0**	**11**	**$1,056**	**3**	**$279**	**38**	**$6,513**	**$171**
Design Development (60%)															
1. Prepare 60% Drawings	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
2. Compile and Update Project Technical Specifications	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
3. Evaluate the geotechnical data and provide the caisson foundation design	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
4. Compile all Electrical Design data to provide power supply and controls to the new beacon from the lighting vault	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
5. Assemble a full set of design documents, CSPP, staging, phasing and other documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Design Development (60%)	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
Construction Documents (95%)															
1. Finalize 90% Drawings	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
2. Finalize Project Technical Specifications	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
3. Finalize the caisson foundation design	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
4. Finalize all Electrical Design data to provide power supply and controls to the new beacon from the lighting vault	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
5. Assemble a final set of design documents, CSPP, staging, phasing and other documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
6. Integrate GOAA Dividion 0 Construction Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
7. Update/Reconcile Opinion of Probable Const. Cost	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Construction Documents (95%)	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
Bidding and Award - (Continuing Contractors)															
1. Resolve 95% Comments on Drawings/ Specs/Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
2. Prepare/Reproduce/Distribute Bid Documents	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
3. Prepare/Reproduce/Distribute Bid Addenda	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Bidding and Award	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
Construction Administration															
Prepare/Reproduce/Distribute Conformed Documents/Drawings	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Attend Pre-NTP Meeting	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Attend Pre-Construction Conference	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Attend JCMs	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Site Visits (4)	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Review Contractor's Submittals	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Review Contractor's Invoices	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Responses to Contractor RFIs	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Substantial Completion Inspection	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Final Completion Inspection	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Construction Administration	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
Project Closeout															
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	$0.00
Sub-Total Closeout	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**$0.00**
TOTAL NOT-TO-EXCEED REIMBURSABLE FEE:	**2**	**$390**	**16**	**$3,120**	**6**	**$1,668**	**0**	**$0**	**11**	**$1,056**	**3**	**$279**	**38**	**$6,513**	**$171.39**

NOTES:

1. A separate spreadsheet is required for each consultant/subconsultant with any portion of it's services to be compensated on a not to exceed reimbursable basis.
2. Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES

V01031 - ORL Airport Beacon Replacement

REIMBURSABLE EXPENSES

A complete breakdown of estimated reimbursable expenses, if any, which will be compensated on a not to exceed reimbursable basis, shall b included in this section. The Consultant may use any format for this breakdown, provided that it clearly defines the basis for the not to excee amount. A breakdown of each subconsultant's expenses is also required.

Cal Tech, Inc. — See attached proposal letter

Mobilization (Soil Borings)	$ 600.00
SPT Borings (40 ft.@ $14.50/ft)	$ 580.00
Grouting of Boring (40 ft. @ $8.00/ft)	$ 320.00
Laboratory Soil Testing (Soil Classification)	$ 100.00
Engineering and Report Preparation	$ 675.00
Administration	$ 60.00
Management (utility clearance, boring layout, etc.)	$ 180.00
Total Allowance - Geotechnical Investigation	$ 2,515.00

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-7a, C-7b and C-7c
PARTICIPATION SCHEDULES

V01031 - ORL Airport Beacon Replacement

TABLE C-7a DBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	PROPOSED SCOPE OF SERVICES		FEE	PROPOSED PARTICIPATION
Subconsultant - ECHO UES, Inc.	400 SR 434, Ste. 1024, Oviedo, Florida 32765		Topographic Survey Services	$6,513.00	11.28%
Subconsultant - Cal-Tech Testing, Inc.	P.O. Box 1625, Lake City, FL 32056		Geotechnical Investigation Services	$2,515.00	4.35%
Subconsultant No. 3					
Subconsultant No. 4					
Subconsultant No. 5					
TOTAL PROPOSED PARTICIPATION				**$9,028.00**	**15.63%**

TABLE C-7b MWBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	MWBE CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Subconsultant No. 1				#REF!	#REF!
Subconsultant No. 2					
Subconsultant No. 3					
Subconsultant No. 4					
Subconsultant No. 5					
TOTAL PROPOSED PARTICIPATION				**$0.00**	**0.0%**

TABLE C-7c LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Subconsultant No. 1				
Subconsultant No. 2				
Subconsultant No. 3				
Subconsultant No. 4				
Subconsultant No. 5				
TOTAL PROPOSED PARTICIPATION			**$0.00**	**0.0%**

$ 57,752.00

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-9
CONTRACT HOURLY RATES

V01031 - ORL Airport Beacon Replacement

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
AVCON (FY 2024)	PRINCIPAL	$ 312.00
		$
AVCON (FY 2024)	SR. PROJECT MANAGER	$ 296.00
AVCON (FY 2024)	PROJECT MANAGER	$ 240.00
AVCON (FY 2024)	SR. ENGINEER	$ 207.00
AVCON (FY 2024)	PROJECT ENGINEER	$ 143.00
AVCON (FY 2024)	ASSOCIATE ENGINEER	$ 121.00
AVCON (FY 2024)	SR. CADD DESIGNER	$ 131.00
AVCON (FY 2024)	SENIOR INSPECTOR	$ 139.00
AVCON (FY 2024)	CONTRACT ADMINISTRATOR	$ 120.00
AVCON (FY 2024)	CLERICAL	$ 91.00
ECHO	3 PERSON SURVEY CREW	$ 195.00
ECHO	SENIOR SUREVYOR / PM	$ 278.00
ECHO	SURVEYOR	$ 161.00
ECHO	CADD DRAFTSMAN	$ 96.00
ECHO	SENIOR ADMINISTRATIVE ASST.	$ 93.00

UTILITY ENGINEERING & SURVEY
ECHO UES, Inc.
888.778.ECHO
www.echoues.com
Grow, Inspire, Make a Difference

February 13, 2024

Dan Nickols, PE
Senior Project Manager
AVCON, Inc.

PROPOSAL FOR
PROFESSIONAL SURVEY SERVICES

Project: ORL Beacon Replacement

Dear Mr. Nickols:

At ECHO UES, Inc. (ECHO) we value your consideration and appreciate the opportunity to provide a technical proposal for the provision of professional services. This technical proposal, inclusive of an economical offer and schedule, details the approach we consider the most suitable for this project.

Project Synopsis: Based on the information made available to ECHO, we understand the project consists of engineering design services for site improvements (beacon replacement) at ORL. ECHO's professional services were requested to provide a topographical survey of the project limits as further described below.

Project Limits: ECHO's proposed services will be performed within well-defined limits (i.e. Project Limits) as shown on the attached graphic representation.

SCOPE OF SERVICES

Topographic Survey

- Set/recover horizontal and vertical control for collecting the topographical site information.
- Collect aboveground and visible features and improvements within the highlighted limits as shown and described by the attached graphic exhibits.
- Detail and survey gravity storm and sanitary systems located within the project limits.
- Collect sufficient elevation data to create a digital terrain model (DTM) of the site.
- Survey geotechnical borings and wetland flags as placed by others, if any.

- The survey will be based on the North American Datum of 1983 (NAD83), East Zone and elevations will be referenced to the North American Vertical Datum 1988 (NAVD 88).
- The horizontal and vertical survey control will be provided in the final survey in tabular format for use by the contractor during construction activities.
- All survey efforts will be conducted in accordance with the Standards of Practice set forth in Rule Chapter 5J-17, F.A.C., pursuant to Section 472.027, F.S.

Deliverables

- Digital survey CAD file, PDF sheets and signed and sealed Surveyor's report.

Notes and Limitations:

1. Client shall facilitate access to the site and provide any relevant project information.
2. Site must be clear from obstacles impeding access to any portion of the project limits.
3. Standard work hours are from 7:00am to 4:00pm, Monday through Friday; additional charges may occur (following discussion with the Client) in case of weekend or nighttime work.
4. ECHO will not work on any site that is known to be contaminated with any hazardous or harmful substance.
5. Any permit or fee requested to perform the work complying with any stakeholder's requirement will be submitted to the Client with a 5% administrative markup.
6. FDOT Design Standards (Index 600 Series) will be utilized for the Maintenance of Traffic (MOT). Should the site require modification to the Index 600 for non-standard MOT arrangements, ECHO will seek the Client's concurrence to obtain signed and sealed project's specific MOT plans (to be provided by others).
7. Any cost associated with signed and sealed MOT plans will be submitted to the Client with a 5% administrative markup.
8. Unless otherwise stated within this proposal, test holes have usual depth of up to eight (8) ft. from the ground surface, and diameter of up to 1 ft. Should there be a need for deeper or wider excavations, additional charges may apply.
9. The original ground surface at each test hole location will be restored to as close as possible to its original conditions, using concrete mix or asphalt cold patch as applicable. Any deviation from this standard (e.g. use of hot asphalt, flowable fill etc.) may require additional charges and the use of specialty subcontractors.
10. Regardless of the type of estimate proposed (e.g. lump sum, time and materials, etc.) such estimate should be considered indicative and based on preliminary information. Should any situation out of ECHO's control heavily impact ECHO's field work performance (e.g. adverse site conditions), ECHO reserves the right to seek additional funds to complete the work.
11. The exact location of any underground utility is not guaranteed unless clearly exposed and visually verified at a specific location. Utility characteristics, methods of installation, soil conditions and the surrounding environment all may impact adversely the results of any utility investigation with surface geophysical instruments and technology. No guarantee is made that all utilities will be found and identified.
12. Independently from ECHO's scope of work and performance, the Client shall comply with the relative chapter from the Florida (or any other applicable) Statutes: "Underground Facility Damage Prevention and Safety Act" and call 811 prior to any excavation taking place.
13. Subsurface Utility Engineering, Designating and Locating terms all refer to the American Society of Civil Engineers / Utility Engineering and Surveying Institute / Construction Institute "Standard Guideline for Investigating and Documenting Existing Utilities" (ASCE/UESI/CI 38-22). Should ECHO adopt this standard for the performance of the scope of work and preparation of deliverables, clear mention to the Standard shall be made throughout the deliverable.

Proposed Schedule: to be discussed and determined upon receipt of the Notice to Proceed (NTP).

Fee: ECHO's competitive offer, which is inclusive of all field, office, materials, supplies, and equipment costs is detailed below.

- **Perform services as described herewith, ~~Fixed~~ NTE Fee: ~~$6,500.00~~ $6,513.00**

Acceptance: ~~We will honor this proposal for 90 days.~~ If accepted, please return to our attention together with a professional services agreement/task work order authorization and official Notice to Proceed.

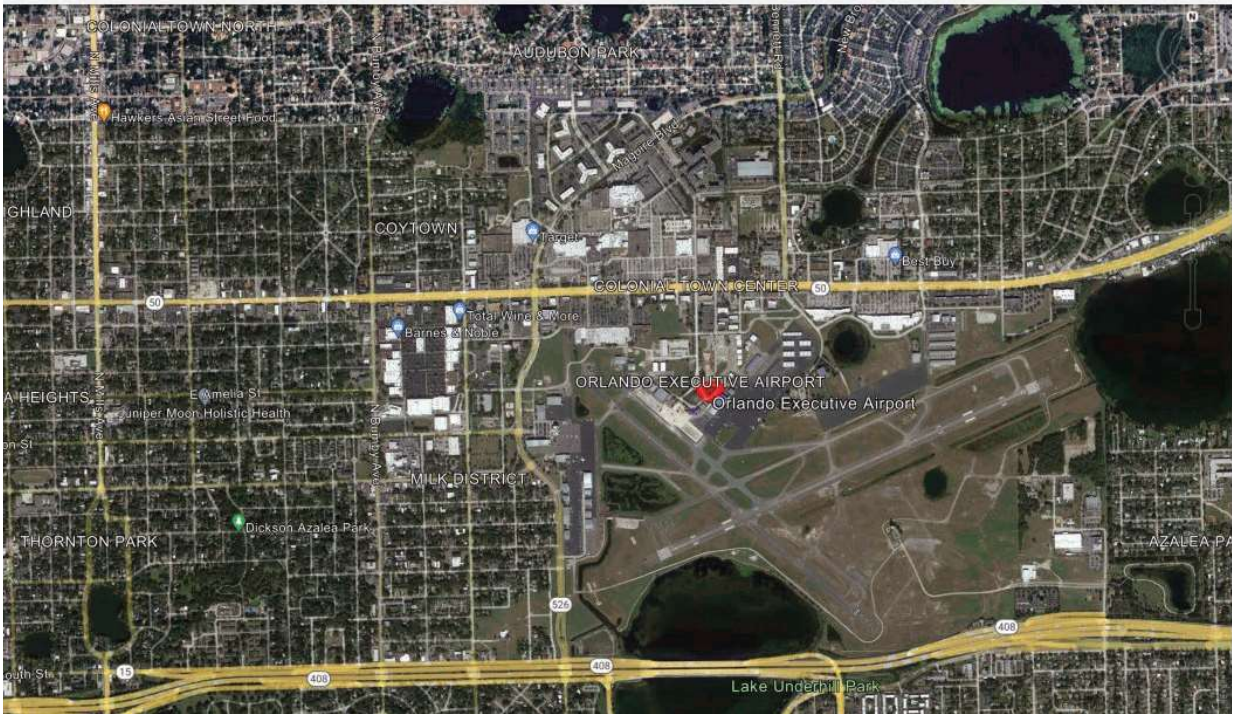
At ECHO UES, Inc. we believe in collaboration and communication with our clients and are driven to understand their needs and provide time-efficient and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction, and Maintenance of infrastructure.

Thank you for considering ECHO for this important project and please do not hesitate to contact me directly should you have any questions or concerns.

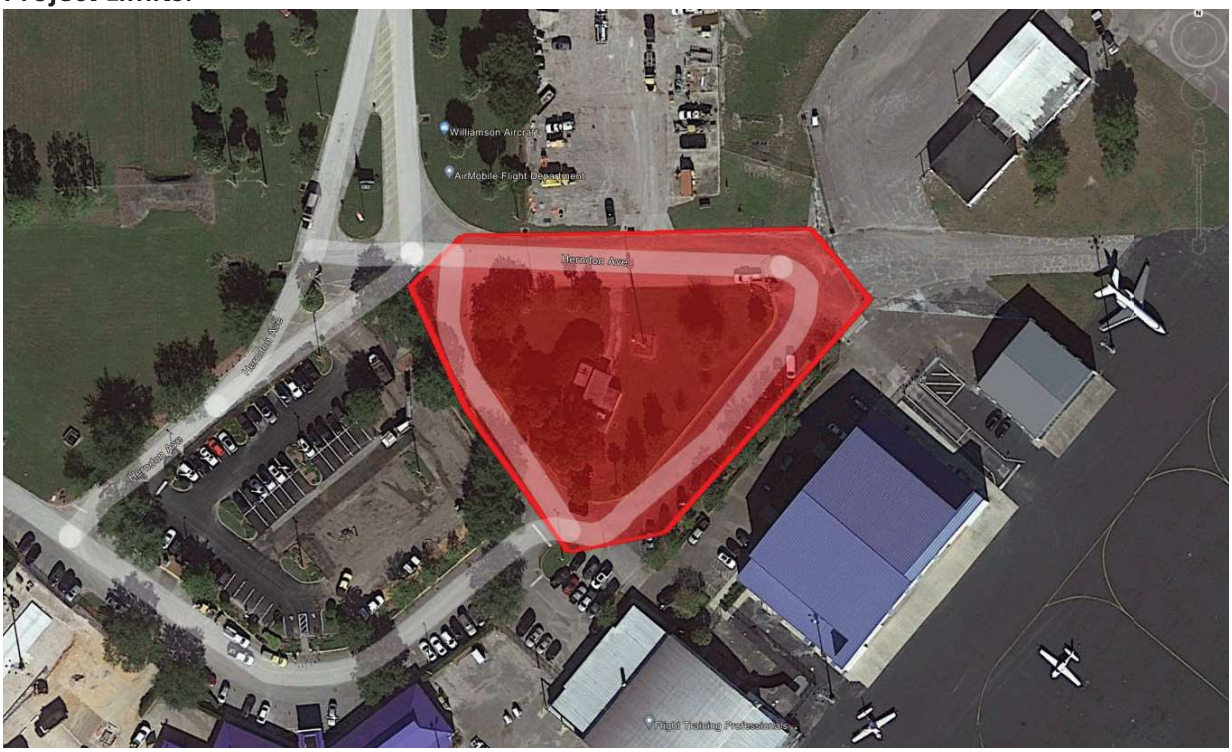
Sincerely,

Carlo Pilia
Vice President
ECHO UES, Inc.

Vicinity Map:



Project Limits:



Cal -Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056
Tel. (386) 755-3633 • Fax (386) 752-5456

450 SR 13N, Suite 106-308, Jacksonville, FL 32259
Tel. (904) 381-8901 • Fax (904) 381-8902

February 7, 2024

Mr. Daniel Nickols, P.E.
AVCON, Inc.
5555 E Michigan Street, Suite 200
Orlando, Florida 32822

RE: Proposal for Geotechnical Engineering Exploration
Orlando Executive Airport-75 ft. Tall Rotating Beacon & Beacon Pole
Orlando, Florida

Dear Mr. Daniel Nickols, P.E.:

Cal-Tech Testing, Inc. (CTTI) is pleased to submit this proposal to perform geotechnical engineering exploration for the proposed 75-ft-tall Rotating Beacon and Beacon Pole at Orlando Executive Airport in Orlando, Florida.

SITE & PROJECT INFORMATION

Based on information you provided to us, the scheduled replacement of the airport's existing 50-ft-tall Rotating Beacon with a 75-ft-tall tip-down Beacon requires determination of the subsurface soil conditions and geotechnical engineering recommendations for site preparation and foundation design and construction.

SCOPE OF SERVICES

Based on your request, our scope of services will consist of drilling one (1) Standard Penetration Test (SPT) boring (40-ft-deep) at the location to be indicated by you.

The SPT boring will be laid out by our field crew from Ground Positioning System (GPS) coordinates provided by you using a hand-held device.

The SPT boring will be drilled in general accordance with applicable ASTM standards and grouted/patched at completion. CTTI will transport the core specimens and soil samples to our laboratory for examination and additional testing as required by our geotechnical engineer for classification in general accordance with the Unified Soil Classification System.

Prior to the drilling work, we will contact the Sunshine One-Call Center to mark-out the location of known underground utilities around the proposed borings.

At completion of the field and laboratory work, we will prepare a report summarizing the work done and presenting the subsurface soil profile and our geotechnical engineering evaluation and recommendations for site preparation and foundation of the Beacon.

ESTIMATED FEE

Based on the proposed scope of services and assuming accessibility to the boring location without delays the fee for our geotechnical engineering exploration is as follows:

Mobilization (Soil Borings)		**$ 600.00**
SPT Borings (40 ft. @ $14.50/ft)		**$ 580.00**
Grouting of Boring (40 ft. @ $8.00/ft)		**$ 320.00**
Laboratory Soil Testing (Soil Classification)		**$ 100.00**
Management (utility clearance, boring layout, etc.)		**$ 180.00**
Engineering and Report Preparation		**$ 675.00**
Administration		**$ 60.00**
	Total	**$2,515.00**

Schedule
We anticipate that our fieldwork will encompass one (1) working day. Our report should be issued within 5 working days of completion of the field and laboratory work.

Limitations
The boring detailed in this proposal do not include drilling into environmentally contaminated material.

Authorization
If this proposal is acceptable, please authorize us to proceed with the proposed services by signing below and return to our office. A sub-contract agreement will also be sufficient as authorization.

Closing
CTI appreciates the opportunity to provide this proposal and we look forward to serving you on this and future projects. If you have any questions please contact us at our Lake City, FL office (386) 755-3633.

Sincerely,

Cal-Tech Testing, Inc.

Ivan E. Marcano, MSCE, P.E.
Sr. Geotechnical Engineer

Mike Stalvey, Jr.
Vice-President

Proposal for Geotechnical Engineering Exploration-Orlando Executive Airport, 75 ft. Tall Rotating Breacon & Beacon Pole, Orlando, Florida
Name of Representative (Print) Date Title: Representative Signature:

AVCON, INC.
Engineers & Planners

5555 E. Michigan St., Suite 200
Orlando, Florida 32822
Phone: (407) 599-1122
Fax: (407) 599-1133
www.avconinc.com

June 6, 2024

Mr. Tuan Nguyen, P.E.
Assistant Vice President Engineering
Greater Orlando Aviation Authority
11314 S. Terminal Access Road
Orlando, FL 32824

Reference: **TRUTH IN NEGOTIATION CERTIFICATION**
Design Phase Services
V01031, ORL Airport Beacon Replacement
Orlando Executive Airport

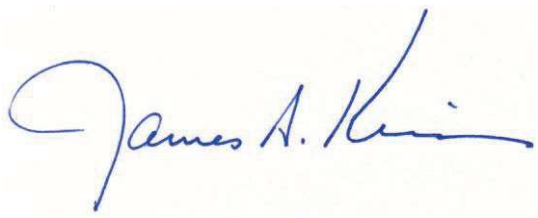
Dear Tuan:

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 will be current at the time of contracting as anticipated for June 2024.

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.

Certified:

AVCON, INC.



James A. Kriss, P.E.
Sr. Vice President

Date: June 6, 2024

PROJECT START-UP PACKAGE FOR V-01031-ORL

PROJECT ASSESSMENT FORM (PAF)

Coding by Construction Finance :

Short Name:	
Template:	
Campus:	
Cost Center:	
Organization:	
Program:	
Subprogram:	

DATE: June 4, 2024

TO: Kevin J. Thibault, P.E, Chief Executive Officer

FROM: Tuan N. Nguyen, Assistant Vice President, Engineering

SUBJECT: **Project Start-Up**

V-01031 ORL AIRFIELD BEACON REPLACEMENT
Orlando Executive Airport

PROGRAM: Facilities Improvements Projects / Orlando Executive Airport Projects (FIP)

DESCRIPTION OF PROJECT:

SPONSOR: Orlando Executive Airport

Replace existing Airfield Beacon with a new tilt down pole and concrete base at the Orlando Executive Airport. Project includes design, build and installation of new beacon and associated electrical work.

PROPOSED DELIVERY METHOD: (Proposed)

A/E:

Construction: Traditional Design / Bid / Award

OAR Design Phase: NONE

OAR Constr. Phase: Loyal Wingman, LLC

PROJECT PRIORITY: High Priority

LIFE EXPECTANCY OF PROJECT: 20 Years

FUNDING: FDOT,OEA Revenue Fund

SCHEDULE: (See Details under "CURRENT STATUS" Below)

Advertise:		
Pre-Bid Conference:		
Bid Opening:		
Ant. Notice to Proceed:	01/13/2025	
Ant. Subst. Completion:	10/09/2025	**270 Calendar Days**
Ant. Final Completion:	11/23/2025	**45 Calendar Days**

CONTROL BUDGET:

Task	$ Amount	BY CONSTRUCTION FINANCE: $ FUNDED	$ UNFUNDED	Comments
A/E Consultant Fees - Design Phase (Base)	$57,752.00			
A/E Consultant Fees - Construction Phase (Base)	$12,248.00			
Construction	$240,000.00			
OAR Fees - Design Phase	$3,000.00			
OAR Fees - Construction Phase	$13,000.00			
Miscellaneous	$0.00			
Contingency	$16,000.00			
TOTAL	**$342,000.00**			

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-01031-ORL

CURRENT STATUS:

FUNDING: FDOT, OEA Revenue Fund

TENTATIVE SCHEDULE:
06/18/24 C.C. Approval of A/E Negotiated Fee
06/18/24 Contract Execution & Design NTP
09/03/24 Receive approval to bid
09/08/24 Advertise for Bids
09/17/24 Pre-Bid Meeting
10/08/24 Bid Opening
10/29/24 Receive Approval to Award from Construction Committee
11/20/24 Receive Approval to Award from Board (If >$250k)
12/18/24 Complete Contract Execution
01/13/25 Issue Construction NTP (effective date)
10/09/24 Substantial Completion (270 cal. days from NTP)
11/23/25 Final Completion (45 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:
City of Orlando							
FAA							

CC: Fully executed copy will be posted to \GROUPS\CONST_ENG\PDF- Start-Up Packages\

PROJECT START-UP PACKAGE FOR V-01031-MCO

REVIEWED BY:

PROJECT MANAGER:

Date: _____

Tuan Nguyen, Assistant Vice President, Engineering

ENGINEERING & CONSTRUCTION SENIOR STAFF:

Date: _____

Robert Furr, Vice President, Engineering and Architecture

Date: _____

Scott Shedek, Vice President, Construction

Date: _____

Max E. Marble, Senior Vice President, Capital Programs

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\

Published By: Don Corthell, PSA
Reviewed By:

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, VP of Construction

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Amendment to Addendum No. 16 to the Continuing Program and Project Management Services Agreement with with PSA Constructors, Inc. dba PSA Management, Inc. for additional Construction Phase OAR Services for L-00080 MCO ACS/REX Buttons Replacement at the Orlando International Airport

BACKGROUND

On September 19, 2023, the Construction Committee approved Addendum No. 16 in the amount of $7,544.00 to the above-referenced agreement.

ISSUES

Since then, it has been determined that additional OAR Services are required to provide oversight and coordination for Change Order No. 2 as further described in the Consultant's proposal, dated June 3, 2024. PSA Constructors, inc. dba PSA Management to provide additional project management and inspections services.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

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

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 06/12/24 as correct and available.

RECOMMENDED ACTION

CC
ITEM IV-C
6/18/2024

It is respectfully requested that the Construction Committee approve an Amendment to Addendum No.16 to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. for the services contained herein and the amount as shown below:

Not to Exceed Fees	$7,724.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$7,724.00**
AAC – Compliance Review Date	06/12/2024
AAC – Funding Eligibility Review Date	06/12/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Amendment to Addendum No. 16 to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. for additional Construction Phase OAR Services for L-00080 MCO ACS/REX Buttons Replacement, at the Orlando International Airport.

SMALL BUSINESS

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that PSA Constructors, Inc. dba PSA Management, Inc. does not propose small business participation on this amendment as the services being provided are for staffing support.

June 3, 2024

Mr. Scott Shedek
Greater Orlando Aviation Authority
Vice President, Construction
11312 Terminal C Service Rd., Bldg. 16
Orlando, FL. 32824

RE: Amendment #1 to Addendum No. 16, L-00080 MCO ACS/Rex Button Replacement at the Orlando International Airport

Dear Mr. Shedek,

PSA Management, Inc. is pleased to provide this proposal for Onsite OAR Services for Continuing Program and Project Management on the **L-00080 MCO ACS/Rex Button Replacement at the Orlando International Airport.** We will staff this project with a Sr. Construction Manager, a Sr. QA/QC Manager, and a Senior Project Coordinator to work closely with the Contractor, GOAA Security and Operations.

This added scope of work is to complete the change out of REX buttons to ACS on Airside 3. Airside 2 has been completed under the base scope, and due to funding, Airsides 1 and 4 will be completed under another project. The Team will perform the work based on the project schedule to include after hours and weekends if needed. The field work for this change order work is anticipated to begin in late June and be complete in early August 2024 which will also become the revised substantial completion date.

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 $7,724.00 includes $7,724.00 in NTE Fees for PSA.

Role	Firm	Hourly Rate	Total Hours	Total Fee
Sr. Project Manager	PSA	$248.00	8	$1,984.00
Sr. Project Coordinator	PSA	$110.00	8	$880.00
Sr. QA/QC Manager	PSA	$162.00	30	$4,860.00
SUBTOTAL			**46**	**$7,724.00**

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

L-00080-MCO ACS/REX Button Replacement CO-02 28-Aug-23				
Construction Phase OAR Staffing Estimate				
Role	**Firm**	**Hourly Rate**	**Total Hours**	**Total Fee**
Sr. Project Manager	PSA	$248.00	8	$1,984.00
Sr. Project Coordinator	PSA	$110.00	8	$880.00
Sr. QA/QC Manager	PSA	$162.00	30	$4,860.00
SUBTOTAL			**46**	**$7,724.00**
REIMBURSABLE EXPENSES:				
SUBTOTAL				**$0.00**
TOTAL:				**$7,724.00**
MWBE/LDB PARTICIPATION		**% Participation**		
SUBTOTAL				**$0.00**

L-00080-MCO ACS/REX Button Replacement										
Construction Phase OAR Staffing Proposal										
Role	Individual	Firm	Expanded Role Information		Jun-24	Jul-24	Aug-24			Total
Senior Project Manager	Don Corthell	PSA	Project Management		4	4				**8**
Sr. Project Coordinator	Becky McKewen	PSA	Project Coordination and Close-out		4	2	2			**8**
Sr. QA/QC Manager	Dale Race	PSA	Field Coordination-Oversight		10	15	5			**30**
Total Staff Hours										**46**

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2024 (October 1, 2023 - September 30, 2024)

Legend:

Future proposal

Name	Position	Company	Sponsor	Poject #	Project Name	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TOTAL
Becky McKeown	Project Coordinator	PSA	Construction	E-00280	West Airfield Electrical Upgrades		30	15	15	20	20	20	20	10				150
Becky McKeown	Project Coordinator	PSA	Construction	E-00287	Parking Garage EV Charging Stations				10	10	10	10						40
Becky McKeown	Project Coordinator	PSA	Construction	E-S00011	Reserved Parking Terminal C Level 4	8												8
Becky McKeown	Project Coordinator	PSA	Construction	E-S00014	MCO Terminal Replacement of Departures Bridge		20											20
Becky McKeown	Project Coordinator	PSA	Construction	E-S00016	Term C Misc. Electrical Construction	10	10	10	10									40
Becky McKeown	Project Coordinator	PSA	Construction	E-S00020	Electrical BHS Lighting Improvements				3	3	3	5						14
Becky McKeown	Project Coordinator	PSA	Construction	EP-00473	Terminal C Airline Roadway Signage Relocates						5							5
Becky McKeown	Project Coordinator	PSA	Construction	EP-00475	Brightline Roadway Signage Updates						10	10	5	5				30
Becky McKeown	Project Coordinator	PSA	Construction	EP-00486	LS3B Great Hall Sewer Pipe Blockage								6	10				16
Becky McKeown	Project Coordinator	PSA	Construction	H-000359	Pond Dreding Program (FY 23)	72	18	19	11	0	33							153
Becky McKeown	Project Coordinator	PSA	Construction	H-00360	Digital Signage Heintleman Rd. Construction									15	15	15	15	60
Becky McKeown	Project Coordinator	PSA	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction									15	15	15	15	60
Becky McKeown	Project Coordinator	PSA	Construction	H-00TBD	60" RCP Replacement Pond C-64 - CCI										8	5	5	18
Becky McKeown	Project Coordinator	PSA	Construction	H-S00030	Term C Misc. Horizontal Construction		10	10										20
Becky McKeown	Project Coordinator	PSA	Construction	L-00080	MCO Campus Key & Lock Replacement - Design						10	10		4	2	2		28
Becky McKeown	Project Coordinator	PSA	Construction	TBD	Parking Guidance Systems											25	25	50
Becky McKeown	Project Coordinator	PSA	Construction	V-00990	71 High Speed Diverters A & B BHS System E-POD									5	10	10	5	30
Becky McKeown	Project Coordinator	PSA	Construction	V-01007	Term B Area 4 Level 2 BHS Roof Repair							5	5	3				13
Becky McKeown	Project Coordinator	PSA	Construction	V-01029	EV Chargers Garages A & B								5	5	5	5	2	22
Becky McKeown	Project Coordinator	PSA	Construction	V-S00037	Terminal C. Misc. Vertical Construction	10			10									20
Becky McKeown	Project Coordinator	PSA	Construction	V-S00038	Term C Moving Walkways-Design		15		4		2	2	3					26
Becky McKeown	Project Coordinator	PSA	Construction	V-S00038	Term C Moving Walkways-Construction									0	15	10	15	40
Becky McKeown	Project Coordinator	PSA	Construction	V-S00039	Term C Misc. Vertical Construciton-JohnsonLaux									5	5	3	3	16
Becky McKeown	Project Coordinator	PSA	Construction	V-S00041	Term C BHS Canopies and CPD Improvements						10	5						15
Becky McKeown	Project Coordinator	PSA	Construction	V-S00045	Terminal C Trash Room Platforms				7	2	2	5						16
Becky McKeown	Project Coordinator	PSA	Construction	V-S00046	Terminal C Headachbars Construction									15	15	15	15	60
Becky McKeown	Project Coordinator	PSA	Construction	V-S00052	Terminal C Soffit Repairs						1							1
Becky McKeown	Project Coordinator	PSA	Construction	V-S00053	ITF Damper Brightline							5	5	2				12
Becky McKeown	Project Coordinator	PSA	Construction	V-S00055	Terminal C FIS LED Lights								5	2	2	2		11
Becky McKeown	Project Coordinator	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction			21	96	65	60	60	60	38				400
Becky McKeown	Project Coordinator	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	60	57	77										194
Becky McKeown	Project Coordinator	PSA	Construction	W-00447	Digital Signage Heintleman Rd. Design							10	5					15
Becky McKeown	Project Coordinator	PSA	Construction	W-S00151	Term C Headache Bars Design Management				4			1						5
Becky McKeown	Project Coordinator	PSA	Construction	W-S00151	Gate 241 Design Assessment						1	1	1					3
					Total Hours	**160**	**160**	**152**	**170**	**100**	**167**	**149**	**120**	**134**	**92**	**107**	**100**	**1614**
Betty Schwerin-Johnson	Contracts Administration	PSA	Construction	PMO	South Terminal Projects through 12/2025	176	168	160	176	168	168	176	176	160	176	176	160	2040

Updated

					Total Hours	**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**2040**
Constance Hawkins	Adm Assistant	**PSA**	Construction	BP-477	AS & 4 APM (Lee & Elliot)				176	168	168	176	176	160	176	176	160	**1536**
replaced Merdice					**Total Hours**	**0**	**0**	**0**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**1536**
Corey Green	Sr. PM	**PSA**	Construction	EP-00486	LS3B Great Hall Sewer Pipe Blockage								15	15				**30**
Corey Green	Sr. PM	**PSA**	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction											20	20	**40**
Corey Green	Sr. PM	**PSA**	Construction	H-STBD	Terminal C Concessions Bump-out Drainage and Concrete Pad											25	25	**50**
Corey Green	Sr. PM	**PSA**	Construction	TBD	Parking Guidance Systems											80	80	**160**
Corey Green	Sr. PM	**PSA**	Construction	V-00990	BHS High Speed Diverters E-POD									5	40	25	5	**75**
					Total Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**20**	**40**	**150**	**130**	**355**
Dale Race	Inspector	**PSA**	Construction	BP-00199	Ph. 1 Train Station Passenger Drop off Lobby Parking Lots	81	70	70	30									**251**
Dale Race	Inspector	**PSA**	Construction	BP-00199	Ph. 2 Train Station Passenger Drop off Lobby Parking Lots				80	2								**82**
Dale Race	Inspector	**PSA**	Construction	E-00280	West Airfield Electrical Upgrades	18	18	2	18	1	50	32	19	8				**166**
Dale Race	Inspector	**PSA**	Construction	E-00284	Manhole Conversion to Junction Can Plaza	20	10	10										**40**
Dale Race	Inspector	**PSA**	Construction	E-00287	Parking Garage EV Charging Stations			0	9	2	30							**41**
Dale Race	Inspector	**PSA**	Construction	E-S00020	Term C BHS Lighting Improvements			0		9	8							**17**
Dale Race	Inspector	**PSA**	Construction	H-00360	Digital Signage Heintleman Rd. Construction										0	40	40	**80**
Dale Race	Inspector	**PSA**	Construction	L-00080	ACS/Rex Button Replacement			10	13	1	1			10	15	5		**55**
Dale Race	Inspector	**PSA**	Construction	TBD	Parking Guidance Systems											40	60	
Dale Race	Inspector	**PSA**	Construction	V-00980	CCTV R&R DCP (GCI)	48	30	20	2	17	52	87	87	86				**429**
Dale Race	Inspector	**PSA**	Construction	V-00980	CCTV R&R Construction (GCI) not sure when will start, needs to bid									0	60	60	60	**180**
Dale Race	Inspector	**PSA**	Construction	V-00990	BHS High Speed Diverters (HSDs)									5	44	30	7	**86**
Dale Race	Inspector	**PSA**	Design	V-01029	EV Chargers Garages A & B								5	20	20	10		**55**
Dale Race	Inspector	**PSA**	Design	W-00447	Digital Signage Heintleman Rd. Design							10	15					**25**
					Total Hours	**167**	**128**	**112**	**152**	**32**	**141**	**129**	**126**	**129**	**139**	**185**	**167**	**1607**
Don Corthell	Sr. PM	**PSA**	Construction	E-00280	West Airfield Electrical Upgrades	22	21	12	11	26	0	11	12	12	12	12		**151**
Don Corthell	Sr. PM	**PSA**	Construction	E-00283	RW 18L Vault Work	34	2											**36**
Don Corthell	Sr. PM	**PSA**	Construction	E-00287	Parking Garage EV Charging Stations			5	5	5	1							**16**
Don Corthell	Sr. PM	**PSA**	Construction	E-S00011	Reserved Parking Terminal C Level 4													
Don Corthell	Sr. PM	**PSA**	Construction	E-S00014	MCO Terminal Replacement of Departures Bridge Lights	14	12	0										**26**
Don Corthell	Sr. PM	**PSA**	Construction	E-S00016	Term C Misc. Electrical Construction	20	10	14	2									**46**
Don Corthell	Sr. PM	**PSA**	Construction	E-S00020	Electrical BHS Lighting Improvements			2	2	1								**5**
Don Corthell	Sr. PM	**PSA**	Construction	EP-00473	Terminal C Airline Relocates Roadway Signage						15							**15**
Don Corthell	Sr. PM	**PSA**	Construction	EP-00475	Brightline Roadway Signage Updates						15	25	30	15				**85**
Don Corthell	Sr. PM	**PSA**	Construction	H-00359	Pond Dredging Program (2023)	26												**26**
Don Corthell	Sr. PM	**PSA**	Construction	H-00360	Digital Signage Heintleman Rd. Construction										25	40	40	**105**
Don Corthell	Sr. PM	**PSA**	Construction	H-00TBD	60" RCP Replacement Pond C-64 - CCI										5	10		**15**

Updated

Don Corthell	Sr. PM	PSA	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction										5	10	5	20
Don Corthell	Sr. PM	PSA	Construction	H-S00030	Term C Horizontal Construction-BHS Concrete Resurfacing	6												6
Don Corthell	Sr. PM	PSA	Construction	L-00080	ACS/Rex Button Replacement (OAR amendment forthecoming)	3	2							4	4			13
Don Corthell	Sr. PM	PSA	Construction	TBD	Parking Guidance Systems											20	20	
Don Corthell	Sr. PM	PSA	Construction	V-01007	Term B Area 4 Level 2 BHS Roof Repair							7	6					13
Don Corthell	Sr. PM	PSA	Construction	V-01028	EV Chargers Termiant A&B Garage								5	10	5			20
Don Corthell	Sr. PM	PSA	Construction	V-S00034	Term C Vertical Construction				29									29
Don Corthell	Sr. PM	PSA	Construction	V-S00037	Term C Vertical Construction	9												9
Don Corthell	Sr. PM	PSA	Construction	V-S00038	Term C Level 2 Moving Walkways Design Phase			15	15									30
Don Corthell	Sr. PM	PSA	Construction	V-S00038	Term C Level 2 Moving Walkways Construction Phase										25	25	25	75
Don Corthell	Sr. PM	PSA	Construction	V-S00039	Term C Misc. Vertical Construciton-JohnsonLaux									5	15	15	13	
Don Corthell	Sr. PM	PSA	Construction	V-S00041	Term C BHS Canopies and CPD Improvements					5	5							10
Don Corthell	Sr. PM	PSA	Construction	V-S00045	Term C Trash Room Platforms			5	5	5	5							20
Don Corthell	Sr. PM	PSA	Construction	V-S00046	Term C Headache Bars Construction									10	10	10		30
Don Corthell	Sr. PM	PSA	Construction	V-S00052	Soffit Repair													0
Don Corthell	Sr. PM	PSA	Construction	V-S00055	Terminal C LED Indicator Lights								5	5	5			15
Don Corthell	Sr. PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	42	125	62										229
Don Corthell	Sr. PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction			47	80	40	11	22	20	10				230
Don Corthell	Sr. PM	PSA	Construction	V-TBD	ITF Brightline Damper							5	5	2				12
Don Corthell	Sr. PM	PSA	Construction	W-00447	Digital Signage Heintleman Rd. Design							15	10					25
Don Corthell	Sr. PM	PSA	Construction	W-S00151	Term C Headache Bars - Design				10									10
Don Corthell	Sr. PM	PSA	Construction	W-S00151	Term C Gate 241 Asssessment w/AVCON				10									10
					Total Hours	**176**	**172**	**162**	**169**	**82**	**52**	**85**	**93**	**73**	**111**	**142**	**103**	**1420**
Doug Aagaard	QA/QC Inspector	PSA	Construction	PMO	South Terminal Projects through 12/2028							176	176	160	176	176	160	1024
Doug Aagaard	Sr. QA/QC Inspector	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction (1/2 Time)			30	80	80	80							270
					Total Hours	**0**	**0**	**30**	**80**	**80**	**80**	**176**	**176**	**160**	**176**	**176**	**160**	**1294**
Jaime Olivo	Inspector	PSA	Construction	BP-S00193	South Employee Lot (GCI)	20	4	1	11									36
Jaime Olivo	Inspector	PSA	Construction	BP-S00199	Ph. 2 Train Station Passenger Drop off Lobby Parking Lots (GCI)	140	160	160	110	18								588
Jaime Olivo	Inspector	PSA	Construction	EP-00430	Brightline Opening				40									40
Jaime Olivo	Inspector	PSA	Construction	EP-00472	Terminal C Airline Relocates Roadway Signage						12							12
Jaime Olivo	Inspector	PSA	Construction	EP-00475	Brightline Roadway Signage Updates							40	40	40				120
Jaime Olivo	Inspector	PSA	Construction	EP-00486	LS3B Great Hall Sewer Pipe Blockage								5	15				20
Jaime Olivo	Inspector	PSA	Construction	H-00360	Digital Signage Heintleman Rd. Construction											40	40	80
Jaime Olivo	Inspector	PSA	Construction	H-00TBD	60" RCP Replacement Pond C-64 - CCI										15	25		40
Jaime Olivo	Inspector	PSA	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction										25	85	60	170
Jaime Olivo	Inspector	PSA	Construction	H-STBD	Terminal C Concessions Bump-out Drainage and Concrete Pad										10	10	50	70
Jaime Olivo	Inspector	PSA	Construction	V-S00039	Yerm C Misc Vertical Construciton JohnsonLaux									2	10	15	10	
Jaime Olivo	Inspector	PSA	Construction	V-S00041	Term C BHS Canopies and CPD Improvements						30	35	5	10				80
Jaime Olivo	Inspector	PSA	Construction	V-S00045	Term C Trash Room Platforms					18	2	8						28

Updated

Jaime Olivo	Inspector	PSA	Construction	V-S00046	Term C Headache Bars Construction										30	20	15	65
Jaime Olivo	Inspector	PSA	Construction	V-S00052	Gate 236 Soffit Repairs							8						8
Jaime Olivo	Inspector	PSA	Construction	V-S00053	ITF Damper Brightline							8	9	5				22
					Total Hours	**160**	**164**	**161**	**161**	**36**	**44**	**99**	**59**	**72**	**90**	**195**	**175**	**1416**
Jessica Charres	Project Coordinator	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	176	160	160	80									576
Jessica Charres	Project Coordinator	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction				80	176	168	168	176	176	80	80		1104
					Total Hours	**176**	**160**	**160**	**160**	**176**	**168**	**168**	**176**	**176**	**80**	**80**	**0**	**1680**
Joe Lovelady	Sr. QA/QC Inspector	PSA	Construction	BP-477	AS & 4 APM (Lee & Elliot)				40	168	80	80	80	80	80	80	80	768
					Total Hours	**0**	**0**	**0**	**40**	**168**	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**768**
Juan Vasquez	QA/QC Inspector	PSA	Construction	PMO	South Terminal Projects through 12/2027	176	168	160	176	168	168	176	176	160	176	176	160	2040
					Total Hours	**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**2040**
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	E-00281	AS 4 PA System (GCI)				16	168	168	176	168	40	20			756
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-00990	BHS High Speed Diverters									0	0	40	20	60
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-01007	Term B Area 4 Level 2 BHS Roof Repair							10	5	2				17
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-S00033	W-S00490 Program Oversight Services - CBP breakroom and bathroom mods									125	176	100		401
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-S00055	FIS LED Indicator Lights and Commissary Door Improvements								4	20	20			44
					Total Hours	**0**	**0**	**0**	**16**	**168**	**168**	**186**	**177**	**187**	**216**	**140**	**20**	**1278**
Rene Morejon	Assistant PM	PSA	Construction	E-S00016	Term C Misc. Electrical Construction	15		10	10	3								38
Rene Morejon	Assistant PM	PSA	Construction	H-00359	Pond Dredging Program (FY23)	51												51
Rene Morejon	Assistant PM	PSA	Construction	H-S00030	Term C Misc. Horizontal Construction		6	4										10
Rene Morejon	Assistant PM	PSA	Construction	V-S00037	Term C Misc. Vertical Construction			2										2
Rene Morejon	Assistant PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction			56	176	168	168	176	176	104	120	80		1224
Rene Morejon	Assistant PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	80	155	72										307
Rene Morejon	Project Manager	PSA	Construction	V-TBD	BHS Diverters Phase 2												80	
					Total Hours	**146**	**161**	**144**	**186**	**171**	**168**	**176**	**176**	**104**	**120**	**80**	**80**	**1566**
Sarah Pancoast	Admi Assistant	PSA	Construction	PMO	South Terminal Projects through 12/2026	176	168	160	176	168	168	176	176	160	176	176	160	2040
					Total Hours	**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**2040**
					Total PSA Hours	**1513**	**1449**	**1401**	**1838**	**1685**	**1740**	**1952**	**1902**	**1775**	**1848**	**2039**	**1655**	**20797**

Forethcoming projects:

Updated

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: June 3, 2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

Published By: Brian Gainous
Reviewed By:

MEMORANDUM

TO: Members of the Construction Committee

FROM: Brian Gainous, Sr. Project Manager

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management Inc. dba CMI to provide Owner's Authorized Representative (OAR) Services for R-00096 MCO Skylight Repairs at Great Hall at Orlando International Airport.

BACKGROUND

On 05/18/22 Aviation Authority Board approved Continuing Program and Project Management Services agreement with Cost Management Inc. dba CMI. Continuing Program and Project Management and related services including performing as the Owner's Authorized Representative (OAR). The Services may include, but are not limited to, all services necessary for the management of the design and construction of both individual projects and programs consisting of two or more individual projects, including the management of design from planning and conceptual design phase through detailed design, bidding and award of construction contracts; development of design criteria documents, and management of design/build contracts and/or Construction Management at Risk Contracts; management of the construction and commissioning of projects; provide material testing, quantity surveying, construction inspection, construction safety compliance inspection, administrative support and departmental staff extension personnel, and other services required to verify compliance of construction with contract documents; providing cost estimating, cost control, scheduling, progress reporting, and planning services to support both design and construction activities; and, negotiating contracts for program and project related professional and construction services required from the Authority's other consultants and contractors, and all other related services including coordination with the Authority, its Consultants, the City of Orlando, the Federal Aviation Administration (FAA), the Florida Department of Transportation (FDOT), and any other agencies having jurisdiction over the Airport Authority.

ISSUES

Consultant's proposal, dated May 20, 2024, is to provide construction project management, project controls, construction administration and construction coordination services in support of R-00096 MCO Skylight Repairs Great Hall at the Orlando International Airport. Additional OAR services are required to manage subconsultant CMC as they identify deficiencies and witness water testing for the skylight/glazing for select building envelope repair locations that were complected by the roofing contractor for this project.

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:_____

CC
ITEM IV-D
6/18/2024

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from previously approved Capital Expenditure funds. Funding source verified by Melvin Martinez of Construction Finance on 06 / 12 / 24 as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management Inc. dba CMI for the services contained herein and the amount as shown below:

Not to Exceed Fees	$4,000.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$4,000.00**
AAC – Compliance Review Date	YR 05/24/2024
AAC – Funding Eligibility Review Date	06/04/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management Inc. dba CMI to provide Owner's Authorized Representative (OAR) Services for R-00096 MCO Skylight Repairs at Great Hall at Orlando International Airport.

SMALL BUSINESS

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and have determined that Cost Management, Inc. dba CMI proposes 100% MWBE participation on this addendum.

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 Approval of an Addendum to the Continuing Program and Project Management Services Agreement with Cost Management Inc. dba CMI to provide Owner's Authorized Representative (OAR) Services for R-00096 MCO Skylight Repairs at Great Hall at Orlando International Airport.**

1. Construction Information:

Addendum 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:

Addendum Amount: **$4,000.00**

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	4,000.00	Actual Result	100%
Hispanic American	-	Actual Result	0%
Native American	-	Actual Result	0%
Other		Actual Result	0%
Total MWBE Participation	**4,000.00**	**Actual Result**	**100%**

6.b. Engineering / Professional Service Firm Information:

Name: **Cost Management, Inc. dba CMI**
Address: **158 Terra Mango Loop, Suite B**
City, State, Zip: **Orlando, FL 32835**
Telephone: **(407) 293-4168**

6.b. Name and Address of MWBE Subconsultant

Name: **Cornerstone Special Inspections LLC, DBA Construction Moisture Consulting**
Address: 4508 Oak Fair Blvd Suite 290
City, State, Zip: Tampa, FL 33610
Telephone: 949-922-9782

6.c. *Identity: Caucasian Female American
Work Item(s): Building envelope repair
Amount of Subcontract $4,000.00
Percent of Prime Contract (%): 100%

*** 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)**

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

Established March 1995

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

20 May 2024

Mr. Scott Shedek, P.E.
Vice President of Construction
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

CMI No. P-5342	
Project: OAR Services for MCO R-00096 Skylight Repairs at Great Hall	
CMI Staffing Fee	$0.00
CMC Staffing Fee	$4,000.00
Total Not to Exceed Fees	$4,000.00
Four Thousand Dollars	

Dear Mr. Shedek

We hereby submit our fee proposal for Continuing Program and Project Management Services on the above-referenced project at Orlando International Airport.

PROJECT DESCRIPTION

Our understanding is that R-00096 project consists of providing all labor, equipment and materials for repairing and resealing of the skylights located over the Great Hall west checkpoint at the Orlando International Airport.

SERVICES

Our scope of services for this project will consist of providing support to the GOAA staff with project management (OAR), and reporting services as the process may require during construction and close-out phases.

FEE SCHEDULE

Based on the attached Subconsultant proposal and Staffing Manhours sheet, our anticipated staffing plan equates to a NTE Fee, effective the date of Construction Committee approval.

MWBE / LDB PARTICIPATION

CMI actively seeks opportunities to include MWBE and LDB firms in our professional services team. We have identified CMC, a certified WBE firm, to provide water testing services for select building envelope repair and their participation is 100%.

EXCLUSIONS

This proposal excludes: office space rental; utilities; cost estimating & scheduling and travel outside of the Central Florida area.

PAYMENT

We will invoice in accordance with the terms of your Contract with the Authority.

Sincerely,
CMI

Brian Gainous

Brian Gainous
Senior Project Manager

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: 05/21/2024

Greater Orlando Aviation Authority
CMI Cumulative Project Staffing
Projected Hours by Task for FY2024
OAR STAFFING MANHOURS
01 October 2023 thru' 30 September 2024

Legend:
Proposal submitted for review
Previously approved
Future proposal

Name	Position	Sponsor	GOAA Project #	Task Description	Total	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
Bill White	Safety Director	S. Shedek	FY24 O&M	Airport Safety Compliance	644	13	104	51	36	61	50	60	60	60	60	45	44
Bill White	Safety Director	S. Shedek	V-01006	Airside 3 Wing 1 Ramp Level Upgrades	20	0	0	0	0	0	4	4	4	4	4	0	0
Bill White	Safety Director	S. Shedek	H-00361	JFB (Loop Road) B Terminal Entrance Reconfiguration	50	0	0	0	0	0	10	10	10	10	10	0	0
Bill White	Safety Director	S. Shedek	V-995	Replacement of Elevator P58 at Airside 4	15	0	0	0	0	0	0	0	0	0	0	5	10
Bill White	Safety Director	WSP	W-453	Airside 2 & 4, Safety Oversight	357	18	20	19	20	20	20	40	40	40	40	40	40
Bill White	Safety Director	PSA	E-280	West Airfield Electrical Upgrades	169	30	31	37	20	3	10	10	10	10	8	0	0
Bill White	Safety Director	Lea & Elliot	BP-0477	Specialty APM & Passenger Rail Systems	52	4	4	4	8	4	4	4	4	4	4	4	4
Bill White	Safety Director	Ardmore	BP-049	OEA Taxiways A, B and E4 Rehabilitation	156	0	0	0	0	34	41	41	40	0	0	0	0
Bill White	Safety Director	Ardmore	BP-497	Taxiways G and H Rehabilitation, Phase 1	541	0	0	0	20	41	68	68	68	68	68	70	70
Bill White	Safety Director	GCI	BP-S0199	Train Station Passenger Drop-off Lobby Parking Lot	70	0	8	38	24	0	0	0	0	0	0	0	0
				n/a	0												
Bill White	Safety Director	S. Shedek		Purchasing Building Rehabilitation Project	0												
				n/a	0												
				n/a	0												
				TOTAL HOURS	**2074**	**65**	**167**	**149**	**128**	**163**	**207**	**237**	**236**	**196**	**194**	**164**	**168**
Brian Gainous	Sr. Project Manager	S. Shedek	FY24 O&M	Miscellaneous Small Projects	496	160	148	136	42	10	0	0	0	0	0	0	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-01006	Airside 3 Wing 1 Ramp Level Upgrades	144	0	0	0	0	0	34	15	25	25	25	20	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-995	Replacement of Elevator P58 at Airside 4 (D/B)	40	0	26	0	0	14	0	0	0	0	0	0	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-995	Replacement of Elevator P58 at Airside 4 (Construction)	223	0	0	0	0	10	28	15	15	15	15	45	80
Brian Gainous	Sr. Project Manager	S. Shedek	EP-00429	Water Intrusion - NTLS-Level 1 B East - OAR	37	0	0	10	0	0	0	20	7	0	0	0	0
Brian Gainous	Sr. Project Manager	S. Shedek	EP-00447	Jeff Fuqua Fence Repair	46	0	0	0	0	46	0	0	0	0	0	0	0
Brian Gainous	Sr. Project Manager	S. Shedek	H-00361	JFB (Loop Road) B Term Entrance Reconfiguration	635	0	0	0	78	94	80	60	80	50	70	83	40
Brian Gainous	Sr. Project Manager	S. Shedek	V-00976	Smart Restroom Pilot Project	50	0	0	0	0	2	10	10	5	5	10	8	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-01017	HVAC Improvements GOAA Executive Office	100	0	0	0	0	0	10	25	20	20	20	5	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-01018	N. Terminal Roof Top Canopy A and B Sides Beam Re-Painting	115	0	0	0	0	0	0	20	40	31	20	4	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-01021	NTC East Checkpoint HVAC Modifications	155	0	0	0	0	0	0	20	10	30	15	40	40
Brian Gainous	Sr. Project Manager	S. Shedek	V-01022	North Terminal East and West Checkpoint Signage	39	0	0	0	0	0	0	10	10	10	9	0	0
Brian Gainous	Sr. Project Manager	S. Shedek	V-1024	Terminal A Side Garage Storm Drain Repairs	51	0	0	0	0	0	0	15	12	12	12	0	0
Brian Gainous	Sr. Project Manager	S. Shedek	H-0375	Bear Road Ditch Clean Out	70	0	0	0	0	0	0	0	15	25	20	10	0
Brian Gainous	Sr. Project Manager	S. Shedek	H-0334	Gate Gourmet Retention Pond Flume Repairs	-	0	0	0	0	0	0	0	0	0	0	0	0
				n/a	-	0	0	0	0	0	0	0	0	0	0	0	0
				n/a													
				TOTAL HOURS	**2201**	**160**	**174**	**146**	**120**	**176**	**162**	**210**	**239**	**223**	**216**	**215**	**160**
Priya Basant	Tech Assistant	S. Shedek	FY24 O&M	Airport Safety Compliance	24	3	4	2	4	4	4	3	0	0	0	0	0
Priya Basant	Tech Assistant	S. Shedek	EP-00429	Water Intrusion - NTLS-Level 1 B East - OAR	10	0	0	5	0	0	2	3	0	0	0	0	0
Priya Basant	Tech Assistant	S. Shedek	EP-00446	Jeff Fuqua Fence Repair	7	0	0	0	0	0	7	0	0	0	0	0	0
Priya Basant	Tech Assistant	S. Shedek	V-995	Replacement of Elevator P58 at Airside 4 (Construction)	5	0	0	0	0	0	2	0	0	0	0	3	0
Priya Basant	Tech Assistant	S. Shedek	V-01017	HVAC Improvements GOAA Executive Office	5	0	0	0	0	0	3	0	0	0	0	2	0
Priya Basant	Tech Assistant	S. Shedek	V-01018	N. Terminal Top A&B Re-painting Canopy Repainting	7	0	0	0	0	0	0	3	0	0	4	0	0
Priya Basant	Tech Assistant	S. Shedek	V-01021	NTC East Checkpoint HVAC Modifications	7	0	0	0	0	0	0	3	0	0	4	0	0
Priya Basant	Tech Assistant	S. Shedek	V-01022	North Terminal East and West Checkpoint Signage	5	0	0	0	0	0	0	3	0	0	2	0	0
Priya Basant	Tech Assistant	S. Shedek	V-01024	North Terminal A Side Garage Storm Drain Repairs	7	0	0	0	0	0	0	3	0	0	4	0	0
Priya Basant	Tech Assistant	S. Shedek	H-0375	Bear Road Ditch Clean Out	8	0	0	0	0	0	0	0	4	0	0	4	0
Priya Basant	Tech Assistant	S. Shedek	H-0334	Gate Gourmet Retention Pond Flume Repairs	-	0	0	0	0	0	0	0	0	0	0	0	0
					-	0	0	0	0	0	0	0	0	0	0	0	0
				n/a													
				n/a	0												
				TOTAL HOURS	**85**	**3**	**4**	**7**	**4**	**4**	**18**	**18**	**4**	**0**	**14**	**9**	**0**

Construction Moisture Consulting
Roofing/Waterproofing/Exterior Walls/Glazing
Complete Building Envelope Specialists

CMC PROPOSAL (REVISED) FOR
ADDITIONAL SERVICES FOR SELECT BUILDING ENVELOPE CONSULTING SERVICES

PREPARED FOR:

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
R-096 MCO Skylight Repair at Great Hall
Orlando, Florida
CMC Project No.: 20-02010

Prepared by:
Construction Moisture Consulting
Charles Beardslee, RRO/IIBEC, MSI/ICC
CEO
May 15, 2024

May 15, 2024

CMC
Construction Moisture Consulting
Roofing/Waterproofing/Exterior Walls/Glazing
Complete Building Envelope Specialists

Greater Orlando Aviation Authority
Orlando International Airport
11308 Terminal C Service Road
Orlando, Florida 32824

Attn: Mr. Brian Gainous, OAR - Consultant CMI

Project: Orlando International Airport - R-096 MCO Skylight Repair at Great Hall
Orlando, Florida
CMC Project No.: 20-02010

Re: CMC Proposal
for Additional Services for Select Building Envelope Consulting Services

Dear Mr. Gainous:

Pursuant to your request, Construction Moisture Consulting (CMC) is pleased to provide a proposal for select building envelope consulting services for the above referenced project. Based on our understanding of what you wish accomplished, we herein furnish the following for your review and use.

1.0 SCOPE

1.1 CMC will attempt to identify deficiencies and witness water testing for the skylight/glazing for select building envelope repair locations. Accordingly, CMC will provide photographs describing the locations of the required work as needed, specified manufacturers' product data sheets, and AAMA 501.2 field water testing required to confirm the work has been successfully completed. Note, CMC will require guidance from Greater Orlando Aviation Authority (GOAA) personnel on specifically where interior leakage has been observed in each area.

1.2 TOTAL BASE BID (NOT-TO-EXCEED)..... $4,000.00

Should you have any questions, please feel free to contact our office at your convenience.

Respectfully,

CONSTRUCTION MOISTURE CONSULTING

Charles Beardslee, RRO/IIBEC, MSI/ICC
CEO

Attachment: Applicable GOAA "C" Tables

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

Phase of Project:	Preliminary Design	Schematic 30%	Development 60%	Const. Docs. 95%	Bidding & Award	SUBTOTAL	Const. Admin.	Record Documents	TOTAL CONTRACT
1.0 Lump Sum Fee:	0	0	0	0	0	0	0	0	**0**
2.0 Not to Exceed Reimbursable Fee:	0	0	0	0	0	0	0	4000	**4000**
3.0 Not to Exceed Reimbursable Expenses:	0	0	0	0	0	0	0	0	**0**
4.0 TOTAL CONTRACT VALUE:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4000**	**4000**

Total Lump Sum Labor Hours:	0	0	0	0	0	0	0	0	**0**
Total Not to Exceed Reimbursable Labor Hours:	0	0	0	0	0	0	0	22	**22**
TOTAL LABOR HOURS:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**22**	**22**
Average Hourly Rate:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$185.00	$185.00

Notes:
1. The lump sum cells in Table C-1 are linked to Table C-2 values
2. The Not to Exceed cells in Table C-1 are linked to Table C-4 values
3. The linked cells are based on a maximum of 5 subconsultants; if more than 5 are included enter all values manually.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

Phase of Project:	Preliminary Design		Schematic (30%)		Development (60%)		Const. Docs. (95%)		Bidding & Award		Const. Admin.		Record Documents		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Construction Moisture Consulting, Inc.																	
Not to Exceed Reimbursable Fee	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	22	$4,000	22	$4,000	185
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Designer	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**22**	**$4,000**	**22**	**$4,000**	185
Subconsultant No. 1																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 1	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Subconsultant No. 2																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 2	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Subconsultant No. 3																	
Not to Exceed Reimbursable Fee	0		0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 3	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Subconsultant No. 4																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 4	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Subconsultant No. 5																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 5	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	#DIV/0!
Total Not to Exceed Amount:	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**22**	**$4,000**	**22**	**$4,000**	185

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position:	SENIOR CONSULTANT		ASST. PROJECT MANAGER		CLERICAL						OTHER POSITIONS AS APPLICABLE		TOTAL		
Rate ($/Hour):	$185		$75		$50		$0		$0		$0				Avg. Hourly
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Preliminary Design															
Review of Record Drawings & Documents		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Verification of Existing Conditions		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Preliminary Engineering Report		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Surveying		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Geotechnical Investigation & Analysis		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Preliminary Design	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**#DIV/0!**
Schematic Design (30%)															
Prepare Preliminary Drawings		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Prepare Preliminary Specifications		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Surveying		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Geotechnical Investigation & Analysis		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Update/Reconcile Opinion of Probable Const. Cost		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Schematic Design (30%)	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**#DIV/0!**
Design Development (60%)															
Develop Drawings		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Develop Specifications		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Prepare Construction Documents		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Update/Reconcile Opinion of Probable Const. Cost		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Design Development (60%)	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**#DIV/0!**
Construction Documents (95%)															
Complete Drawings		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Complete Specifications		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Complete Construction Documents		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Update/Reconcile Opinion of Probable Const. Cost		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Construction Documents (95%)	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**#DIV/0!**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position:	SENIOR CONSULTANT		ASST. PROJECT MANAGER		CLERICAL						OTHER POSITIONS AS APPLICABLE		TOTAL		
Rate ($/Hour):	$185		$75		$50		$0		$0		$0				
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Bidding and Award															
Resolve 95% Comments on Drawings/ Specs/Documents		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Prepare/Reproduce/Distribute Bid Documents		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Prepare/Reproduce/Distribute Bid Addenda		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Attend/Minute Pre-Bid Meeting		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Attend/Minute Bid Opening		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Prepare Bid Tabulation/Recommendation		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Bidding and Award	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**#DIV/0!**
Construction Administration															
Prepare/Reproduce/Distribute Conformed Documents/Drawings		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Attend Pre-NTP Meeting		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Attend Pre-Construction Conference		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Attend JCMs		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Site Visits/Check As-Builts		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Review Contractor's Submittals		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Review Contractor's Invoices		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Review C.O.s		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Substantial Completion Inspection		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Final Completion Inspection		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Review Issues Thoughout CA and Final Warranties		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Construction Administration	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**#DIV/0!**
Closeout															
Prepare Record Drawings/Documents		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Other Activities (List)		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Identify Deficiencies and Witness Water Testing for Skylight/Glazing	22	$4,000		$0		$0		$0		$0		$0	22	$4,000	$185
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Closeout	**22**	**$4,000**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**22**	**$4,000**	**$185**
TOTAL NOT TO EXCEED REIMBURSABLE FEE:	**22**	**$4,000**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**22**	**$4,000**	**$185**

NOTES:

1. A separate spreadsheet is required for each consultant/subconsultant with any portion of it's services to be compensated on a not to exceed reimbursable basis.
2. Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-7a, C-7b and C-7c
PARTICIPATION SCHEDULES

TABLE C-7a DBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Subconsultant No. 1				
Subconsultant No. 2				
Subconsultant No. 3				
Subconsultant No. 4				
Subconsultant No. 5				
TOTAL PROPOSED PARTICIPATION			**$0.00**	**0.0%**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-7a, 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
Construction Moisture Consulting	4508 Oak Fair Blvd., Ste. 290, Tampa, Florida 33610-7368	Women Business Certifcation	Building Envelope Consultant	$4,000.00	100.0%
Subconsultant No. 2					
Subconsultant No. 3					
Subconsultant No. 4					
Subconsultant No. 5					
TOTAL PROPOSED PARTICIPATION				**$4,000.00**	**100.0%**

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-7a, C-7b and C-7c
PARTICIPATION SCHEDULES

TABLE C-7c LDB PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
Subconsultant No. 1				
Subconsultant No. 2				
Subconsultant No. 3				
Subconsultant No. 4				
Subconsultant No. 5				
TOTAL PROPOSED PARTICIPATION			**$0.00**	**0.0%**

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
Construction Moisture Consulting	Senior Consultant	$185.00

Published By: Don Corthell, PSA
Reviewed By:

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, Vice President of Construction

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc., dba PSA Management, Inc. for Construction Phase OAR Services for V-00990 BHS High Speed Diverter (HSD) Upgrade, at the Orlando International Airport

BACKGROUND

On May 18, 2022, the Aviation Authority approved an agreement with PSA Constructors, Inc. dba PSA Management, Inc. for Continuing Program and Project Management (OAR) Services to the Aviation Authority at the Orlando International Airport, Orlando Executive Airport and Other Facilities.

ISSUES

Consultant's proposal, dated June 3, 2024, is to provide construction phase OAR services. The scope of services will consist of providing construction project management, project control, contract administration and construction coordination in support of V-00990.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

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

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 06/12/24 as correct and available.

CC
ITEM IV-E
6/18/2024

RECOMMENDED ACTION

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 the amount as shown below:

Not to Exceed Fees	$44,787.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$44,787.00**
AAC – Compliance Review Date	6/12/2024
AAC – Funding Eligibility Review Date	6/12/2024

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Program and Project Management Services Agreement with PSA Constructors, Inc. dba PSA Management Inc. for Construction Phase OAR Services for V-00990 BHS High Speed Diverter (HSD) Upgrade, at the Orlando International Airport.

SMALL BUSINESS

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that PSA Constructors, Inc. dba PSA Management, Inc. does not propose small business participation on this addendum as the services being provided are for staffing support.

June 3, 2024

Mr. Scott Shedek
Greater Orlando Aviation Authority
Vice President, Construction
11312 Terminal C Service Rd., Bldg. 16
Orlando, FL. 32824

RE: V-00990 Seventy-One (71) High Speed Diverters (HSD) for Terminal A & B Baggage Handling System (BHS)

Dear Mr. Shedek,

PSA Management, Inc. is pleased to provide this proposal for Construction Phase OAR Support Services for **V-00990 BHS High Speed Diverter (HSD) Upgrade.** We will staff this project with a Senior Project Manager, a Senior Project Coordinator, and a Sr. QA/QC Manager to work closely with the Contractor.

The above-referenced project is to provide eighteen (18) HSDs in E-POD. The work will require extensive coordination with Airline Operations, Safety, MOT distribution, MEP relocates and removal and replace steel catwalks. JSM will be installing the HSDs direct contract with GOAA, and HW Davis will provide all MEP relocates, steel modifications and field coordination. The PSA team will work closely with the Contractor, Maintenance and Airline Operations to provide a seamless project.

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 $44,787.00 includes $44,787.00 in NTE Fees for PSA.

Role	Firm	Hourly Rate	Total Hours	Total Fee
Sr. Project Coordinator	PSA	$110.00	30	$3,300.00
Sr. PM/Construciton Manager	PSA	$227.00	75	$17,025.00
Sr. QA/QC Manager	PSA	$162.00	86	$13,932.00
Sr. QA/QC Manager	PSA	$162.00	65	$10,530.00
			256	$44,787.00

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

MEMORANDUM

TO: Construction Finance Oversight Committee

FROM: Scott Shedek, VP of Construction
(Prepared by Don Corthell, PSA)

DATE: June 4, 2024

Recommendation to Approve Budget Transfer Request for V-00990 – Baggage Handling System High Speed Diverter Upgrade, North Terminal Baggage Handling System Move/Add/Change Projects

BACKGROUND

On May 30, 2023, the Construction Committee recommended to the Aviation Authority Board to approve a single source purchase of seventy-one (71) High Speed Diverters (HSD) for Terminals A & B Baggage Handling System (BHS). This purchase was awarded to Siemens Logistics, LLC in the amount of $2,686,963. Subsequently, the Aviation Authority Board provided approval on April 19, 2023.

The HSDs are a common component that fail frequently and require repairs to ensure reliable operations and service to the airlines. These diverters are well past their life cycle, are largely discontinued, and are difficult to repair due to lack of spare parts.

ISSUES

The initial plan of GOAA BHS Maintenance was to have JSM, Inc., the company contracted to maintain the BHS, provide installation of the seventy-one (71) HSDs under their maintenance agreement. It was later determined that owing to the complexity of the scope and coordination required to affect the work with minimal operational disruption, the work should be overseen by GOAA Construction.

PSA Constructors Inc. dba PSA Management, Inc., was asked to perform the Owner Authorized Representative (OAR) services for this work and to negotiate directly with H.W. Davis for the V-00990 E-Pod scope. JSM will provide the removal and installation of the new HSDs under their maintenance agreement and H.W. Davis will remove and replace BHS catwalks and associated mechanical, electrical, and plumbing systems to allow for removal and installation of the HSDs, as well as provide safety oversight, UON notifications, and coordination with Airline Operations. The estimated costs are reflected in Table 1.

Table 1

Description		Estimated Costs
HW Davis Construction, Inc.	$	180,000
PSA Management, Inc.		45,000
Contingency		23,000
Total	$	248,000

Therefore, it is recommended that $248,000 be transferred from Capital Improvement Program (CIP) Unallocated to support the V-00990 increase as reflected in Exhibit 1 and on the 5B1 – North Terminal BHS Move/Add/Change (MAC) Projects Program Budget Status Worksheet within this agenda.

ALTERNATIVES

There are no reasonable alternatives at this time.

FISCAL IMPACT

There is no overall fiscal impact to the North Terminal BHS MAC Projects program, however this action will decrease the CIP Unallocated budget by $248,000, leaving a balance of $350,711.

RECOMMENDED ACTION

It is respectfully requested that the Construction Finance Oversight Committee approve the transfer of $248,000 of General Airport Revenue Bond funds from ZC-308 – North Terminal Baggage Handling System Move/Add/Change Capital Improvement Program Unallocated to V-00990 - Baggage Handling System High Speed Diverter Upgrade.

Exhibit 1

NT BHS MAC Projects

Project	Description	Award	Current Budget	Proposed Changes	Proposed Budget
V-00990	BHS NT High Speed Diverter Upgrade	GARB	$ 2,687,000	$ 248,000	$ 2,935,000
ZC-308	CIP Unallocated	GARB	$ 598,711	$ (248,000)	$ 350,711
Various	All Other Projects	GARB	$ 1,855,108	$ -	$ 1,855,108
	Total NT BHS MAC Projects		$ 5,140,819	$ -	$ 5,140,819

Orlando International Airport

V-00990 BHS High Speed Diverter (HSD) Upgrade E-POD			6.3.24							
Construction Phase OAR Staffing Estimate										
Role	**Firm**	**Hourly Rate**	**Total Hours**	**Total Fee**						
Sr. Project Coordinator	PSA	$110.00	30	$3,300.00						
Sr. PM/Construciton Manager	PSA	$227.00	75	$17,025.00						
Sr. QA/QC Manager	PSA	$162.00	86	$13,932.00						
Sr. QA/QC Manager	PSA	$162.00	65	$10,530.00						
			256	$44,787.00						
REIMBURSABLE EXPENSES:				$0.00						
SUBTOTAL				**$0.00**						
TOTAL:				**$34,257.00**						
MWBE/LDB PARTICIPATION		0.00	**% Participation**							
SUBTOTAL				**$0.00**						

Role	Individual	Firm	Expanded Role Information	Jun-24	Jul-24	Aug-24	Sep-24		Total
Sr. Project Coordinator	Rebecca McKeown	PSA	Project Coordination	5	10	10	5		**30**
Sr.PM/Construction Manager	Corey Green	PSA	Project Management	5	40	25	5		**75**
Sr. QA/QA Manager	Dale Race	PSA	Field Inspector-Electrical, BHS and MOT	5	44	30	7		**86**
Sr. QA/QC Manager	Kevin Kruger	PSA	Field Inspector-Electrical, BHS and MOT	5	0	40	20		**65**
Total Staff Hours									**256**

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: 6/3/24

Greater Orlando Aviation Authority OAR Staffing

Projected Hours by Task for FY2024 (October 1, 2023 - September 30, 2024)

Legend:

Future proposal

Name	Position	Company	Sponsor	Poject #	Project Name	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TOTAL
Becky McKeown	Project Coordinator	**PSA**	Construction	E-00280	West Airfield Electrical Upgrades		30	15	15	20	20	20	20	10				**150**
Becky McKeown	Project Coordinator	**PSA**	Construction	E-00287	Parking Garage EV Charging Stations				10	10	10	10						**40**
Becky McKeown	Project Coordinator	**PSA**	Construction	E-S00011	Reserved Parking Terminal C Level 4	8												**8**
Becky McKeown	Project Coordinator	**PSA**	Construction	E-S00014	MCO Terminal Replacement of Departures Bridge		20											**20**
Becky McKeown	Project Coordinator	**PSA**	Construction	E-S00016	Term C Misc. Electrical Construction	10	10	10	10									**40**
Becky McKeown	Project Coordinator	**PSA**	Construction	E-S00020	Electrical BHS Lighting Improvements				3	3	3	5						**14**
Becky McKeown	Project Coordinator	**PSA**	Construction	EP-00473	Terminal C Airline Roadway Signage Relocates						5							**5**
Becky McKeown	Project Coordinator	**PSA**	Construction	EP-00475	Brightline Roadway Signage Updates						10	10	5	5				**30**
Becky McKeown	Project Coordinator	**PSA**	Construction	EP-00486	LS3B Great Hall Sewer Pipe Blockage								6	10				**16**
Becky McKeown	Project Coordinator	**PSA**	Construction	H-000359	Pond Dreding Program (FY 23)	72	18	19	11	0	33							**153**
Becky McKeown	Project Coordinator	**PSA**	Construction	H-00360	Digital Signage Heintleman Rd. Construction									15	15	15	15	**60**
Becky McKeown	Project Coordinator	**PSA**	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction									15	15	15	15	**60**
Becky McKeown	Project Coordinator	**PSA**	Construction	H-00TBD	60" RCP Replacement Pond C-64 - CCI										8	5	5	**18**
Becky McKeown	Project Coordinator	**PSA**	Construction	H-S00030	Term C Misc. Horizontal Construction		10	10										**20**
Becky McKeown	Project Coordinator	**PSA**	Construction	L-00080	MCO Campus Key & Lock Replacement - Design						10	10		4	2	2		**28**
Becky McKeown	Project Coordinator	**PSA**	Construction	TBD	Parking Guidance Systems											25	25	**50**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-00990	71 High Speed Diverters A & B BHS System E-POD									5	10	10	5	**30**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-01007	Term B Area 4 Level 2 BHS Roof Repair							5	5	3				**13**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-01029	EV Chargers Garages A & B								5	5	5	5	2	**22**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00037	Terminal C. Misc. Vertical Construction	10			10									**20**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00038	Term C Moving Walkways-Design		15		4		2	2	3					**26**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00038	Term C Moving Walkways-Construction									0	15	10	15	**40**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00039	Term C Misc. Vertical Construciton-JohnsonLaux									5	5	3	3	**16**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00041	Term C BHS Canopies and CPD Improvements						10	5						**15**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00045	Terminal C Trash Room Platforms				7	2	2	5						**16**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00046	Terminal C Headachbars Construction									15	15	15	15	**60**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00052	Terminal C Soffit Repairs						1							**1**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00053	ITF Damper Brightline							5	5	2				**12**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00055	Terminal C FIS LED Lights								5	2	2	2		**11**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction			21	96	65	60	60	60	38				**400**
Becky McKeown	Project Coordinator	**PSA**	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	60	57	77										**194**
Becky McKeown	Project Coordinator	**PSA**	Construction	W-00447	Digital Signage Heintleman Rd. Design							10	5					**15**
Becky McKeown	Project Coordinator	**PSA**	Construction	W-S00151	Term C Headache Bars Design Management				4			1						**5**
Becky McKeown	Project Coordinator	**PSA**	Construction	W-S00151	Gate 241 Design Assessment						1	1	1					**3**
					Total Hours	**160**	**160**	**152**	**170**	**100**	**167**	**149**	**120**	**134**	**92**	**107**	**100**	**1614**
Betty Schwerin-Johnson	Contracts Administration	**PSA**	Construction	PMO	South Terminal Projects through 12/2025	176	168	160	176	168	168	176	176	160	176	176	160	**2040**

Updated

					Total Hours	**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**2040**
Constance Hawkins	Adm Assistant	**PSA**	Construction	BP-477	AS & 4 APM (Lee & Elliot)				176	168	168	176	176	160	176	176	160	**1536**
replaced Merdice					**Total Hours**	**0**	**0**	**0**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**1536**
Corey Green	Sr. PM	**PSA**	Construction	EP-00486	LS3B Great Hall Sewer Pipe Blockage								15	15				**30**
Corey Green	Sr. PM	**PSA**	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction											20	20	**40**
Corey Green	Sr. PM	**PSA**	Construction	H-STBD	Terminal C Concessions Bump-out Drainage and Concrete Pad											25	25	**50**
Corey Green	Sr. PM	**PSA**	Construction	TBD	Parking Guidance Systems											80	80	**160**
Corey Green	Sr. PM	**PSA**	Construction	V-00990	BHS High Speed Diverters E-POD									5	40	25	5	**75**
					Total Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**20**	**40**	**150**	**130**	**355**
Dale Race	Inspector	**PSA**	Construction	BP-00199	Ph. 1 Train Station Passenger Drop off Lobby Parking Lots	81	70	70	30									**251**
Dale Race	Inspector	**PSA**	Construction	BP-00199	Ph. 2 Train Station Passenger Drop off Lobby Parking Lots				80	2								**82**
Dale Race	Inspector	**PSA**	Construction	E-00280	West Airfield Electrical Upgrades	18	18	2	18	1	50	32	19	8				**166**
Dale Race	Inspector	**PSA**	Construction	E-00284	Manhole Conversion to Junction Can Plaza	20	10	10										**40**
Dale Race	Inspector	**PSA**	Construction	E-00287	Parking Garage EV Charging Stations			0	9	2	30							**41**
Dale Race	Inspector	**PSA**	Construction	E-S00020	Term C BHS Lighting Improvements			0		9	8							**17**
Dale Race	Inspector	**PSA**	Construction	H-00360	Digital Signage Heintleman Rd. Construction										0	40	40	**80**
Dale Race	Inspector	**PSA**	Construction	L-00080	ACS/Rex Button Replacement			10	13	1	1			10	15	5		**55**
Dale Race	Inspector	**PSA**	Construction	TBD	Parking Guidance Systems											40	60	
Dale Race	Inspector	**PSA**	Construction	V-00980	CCTV R&R DCP (GCI)	48	30	20	2	17	52	87	87	86				**429**
Dale Race	Inspector	**PSA**	Construction	V-00980	CCTV R&R Construction (GCI) not sure when will start, needs to bid									0	60	60	60	**180**
Dale Race	Inspector	**PSA**	Construction	V-00990	BHS High Speed Diverters (HSDs)									5	44	30	7	**86**
Dale Race	Inspector	**PSA**	Design	V-01029	EV Chargers Garages A & B								5	20	20	10		**55**
Dale Race	Inspector	**PSA**	Design	W-00447	Digital Signage Heintleman Rd. Design							10	15					**25**
					Total Hours	**167**	**128**	**112**	**152**	**32**	**141**	**129**	**126**	**129**	**139**	**185**	**167**	**1607**
Don Corthell	Sr. PM	**PSA**	Construction	E-00280	West Airfield Electrical Upgrades	22	21	12	11	26	0	11	12	12	12	12		**151**
Don Corthell	Sr. PM	**PSA**	Construction	E-00283	RW 18L Vault Work	34	2											**36**
Don Corthell	Sr. PM	**PSA**	Construction	E-00287	Parking Garage EV Charging Stations			5	5	5	1							**16**
Don Corthell	Sr. PM	**PSA**	Construction	E-S00011	Reserved Parking Terminal C Level 4													
Don Corthell	Sr. PM	**PSA**	Construction	E-S00014	MCO Terminal Replacement of Departures Bridge Lights	14	12	0										**26**
Don Corthell	Sr. PM	**PSA**	Construction	E-S00016	Term C Misc. Electrical Construction	20	10	14	2									**46**
Don Corthell	Sr. PM	**PSA**	Construction	E-S00020	Electrical BHS Lighting Improvements			2	2	1								**5**
Don Corthell	Sr. PM	**PSA**	Construction	EP-00473	Terminal C Airline Relocates Roadway Signage						15							**15**
Don Corthell	Sr. PM	**PSA**	Construction	EP-00475	Brightline Roadway Signage Updates						15	25	30	15				**85**
Don Corthell	Sr. PM	**PSA**	Construction	H-00359	Pond Dredging Program (2023)	26												**26**
Don Corthell	Sr. PM	**PSA**	Construction	H-00360	Digital Signage Heintleman Rd. Construction										25	40	40	**105**
Don Corthell	Sr. PM	**PSA**	Construction	H-00TBD	60" RCP Replacement Pond C-64 - CCI										5	10		**15**

Updated

Don Corthell	Sr. PM	PSA	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction										5	10	5	20
Don Corthell	Sr. PM	PSA	Construction	H-S00030	Term C Horizontal Construction-BHS Concrete Resurfacing	6												6
Don Corthell	Sr. PM	PSA	Construction	L-00080	ACS/Rex Button Replacement (OAR amendment forthecoming)	3	2							4	4			13
Don Corthell	Sr. PM	PSA	Construction	TBD	Parking Guidance Systems											20	20	
Don Corthell	Sr. PM	PSA	Construction	V-01007	Term B Area 4 Level 2 BHS Roof Repair							7	6					13
Don Corthell	Sr. PM	PSA	Construction	V-01028	EV Chargers Termianl A&B Garage								5	10	5			20
Don Corthell	Sr. PM	PSA	Construction	V-S00034	Term C Vertical Construction				29									29
Don Corthell	Sr. PM	PSA	Construction	V-S00037	Term C Vertical Construction	9												9
Don Corthell	Sr. PM	PSA	Construction	V-S00038	Term C Level 2 Moving Walkways Design Phase			15	15									30
Don Corthell	Sr. PM	PSA	Construction	V-S00038	Term C Level 2 Moving Walkways Construction Phase										25	25	25	75
Don Corthell	Sr. PM	PSA	Construction	V-S00039	Term C Misc. Vertical Construciton-JohnsonLaux									5	15	15	13	
Don Corthell	Sr. PM	PSA	Construction	V-S00041	Term C BHS Canopies and CPD Improvements					5	5							10
Don Corthell	Sr. PM	PSA	Construction	V-S00045	Term C Trash Room Platforms			5	5	5	5							20
Don Corthell	Sr. PM	PSA	Construction	V-S00046	Term C Headache Bars Construction									10	10	10		30
Don Corthell	Sr. PM	PSA	Construction	V-S00052	Soffit Repair													0
Don Corthell	Sr. PM	PSA	Construction	V-S00055	Terminal C LED Indicator Lights								5	5	5			15
Don Corthell	Sr. PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	42	125	62										229
Don Corthell	Sr. PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction			47	80	40	11	22	20	10				230
Don Corthell	Sr. PM	PSA	Construction	V-TBD	ITF Brightline Damper							5	5	2				12
Don Corthell	Sr. PM	PSA	Construction	W-00447	Digital Signage Heintleman Rd. Design							15	10					25
Don Corthell	Sr. PM	PSA	Construction	W-S00151	Term C Headache Bars - Design				10									10
Don Corthell	Sr. PM	PSA	Construction	W-S00151	Term C Gate 241 Asssessment w/AVCON				10									10
					Total Hours	**176**	**172**	**162**	**169**	**82**	**52**	**85**	**93**	**73**	**111**	**142**	**103**	**1420**
Doug Aagaard	QA/QC Inspector	PSA	Construction	PMO	South Terminal Projects through 12/2028							176	176	160	176	176	160	1024
Doug Aagaard	Sr. QA/QC Inspector	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction (1/2 Time)			30	80	80	80							270
					Total Hours	**0**	**0**	**30**	**80**	**80**	**80**	**176**	**176**	**160**	**176**	**176**	**160**	**1294**
Jaime Olivo	Inspector	PSA	Construction	BP-S00193	South Employee Lot (GCI)	20	4	1	11									36
Jaime Olivo	Inspector	PSA	Construction	BP-S00199	Ph. 2 Train Station Passenger Drop off Lobby Parking Lots (GCI)	140	160	160	110	18								588
Jaime Olivo	Inspector	PSA	Construction	EP-00430	Brightline Opening				40									40
Jaime Olivo	Inspector	PSA	Construction	EP-00472	Terminal C Airline Relocates Roadway Signage						12							12
Jaime Olivo	Inspector	PSA	Construction	EP-00475	Brightline Roadway Signage Updates							40	40	40				120
Jaime Olivo	Inspector	PSA	Construction	EP-00486	LS3B Great Hall Sewer Pipe Blockage								5	15				20
Jaime Olivo	Inspector	PSA	Construction	H-00360	Digital Signage Heintleman Rd. Construction											40	40	80
Jaime Olivo	Inspector	PSA	Construction	H-00TBD	60" RCP Replacement Pond C-64 - CCI										15	25		40
Jaime Olivo	Inspector	PSA	Construction	H-00TBD	STC Employee Parking 50+ Spaces - Design then Construction										25	85	60	170
Jaime Olivo	Inspector	PSA	Construction	H-STBD	Terminal C Concessions Bump-out Drainage and Concrete Pad										10	10	50	70
Jaime Olivo	Inspector	PSA	Construction	V-S00039	Yerm C Misc Vertical Construciton JohnsonLaux									2	10	15	10	
Jaime Olivo	Inspector	PSA	Construction	V-S00041	Term C BHS Canopies and CPD Improvements						30	35	5	10				80
Jaime Olivo	Inspector	PSA	Construction	V-S00045	Term C Trash Room Platforms					18	2	8						28

Updated

Jaime Olivo	Inspector	PSA	Construction	V-S00046	Term C Headache Bars Construction										30	20	15	65
Jaime Olivo	Inspector	PSA	Construction	V-S00052	Gate 236 Soffit Repairs							8						8
Jaime Olivo	Inspector	PSA	Construction	V-S00053	ITF Damper Brightline							8	9	5				22
					Total Hours	**160**	**164**	**161**	**161**	**36**	**44**	**99**	**59**	**72**	**90**	**195**	**175**	**1416**
Jessica Charres	Project Coordinator	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	176	160	160	80									576
Jessica Charres	Project Coordinator	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction				80	176	168	168	176	176	80	80		1104
					Total Hours	**176**	**160**	**160**	**160**	**176**	**168**	**168**	**176**	**176**	**80**	**80**	**0**	**1680**
Joe Lovelady	Sr. QA/QC Inspector	PSA	Construction	BP-477	AS & 4 APM (Lee & Elliot)				40	168	80	80	80	80	80	80	80	768
					Total Hours	**0**	**0**	**0**	**40**	**168**	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**768**
Juan Vasquez	QA/QC Inspector	PSA	Construction	PMO	South Terminal Projects through 12/2027	176	168	160	176	168	168	176	176	160	176	176	160	2040
					Total Hours	**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**2040**
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	E-00281	AS 4 PA System (GCI)				16	168	168	176	168	40	20			756
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-00990	BHS High Speed Diverters									0	0	40	20	60
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-01007	Term B Area 4 Level 2 BHS Roof Repair							10	5	2				17
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-S00033	W-S00490 Program Oversight Services - CBP breakroom and bathroom mods									125	176	100		401
Kevin Kruger	Sr. QA/QC Inspector	PSA	Construction	V-S00055	FIS LED Indicator Lights and Commissary Door Improvements								4	20	20			44
					Total Hours	**0**	**0**	**0**	**16**	**168**	**168**	**186**	**177**	**187**	**216**	**140**	**20**	**1278**
Rene Morejon	Assistant PM	PSA	Construction	E-S00016	Term C Misc. Electrical Construction	15		10	10	3								38
Rene Morejon	Assistant PM	PSA	Construction	H-00359	Pond Dredging Program (FY23)	51												51
Rene Morejon	Assistant PM	PSA	Construction	H-S00030	Term C Misc. Horizontal Construction		6	4										10
Rene Morejon	Assistant PM	PSA	Construction	V-S00037	Term C Misc. Vertical Construction			2										2
Rene Morejon	Assistant PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Construction			56	176	168	168	176	176	104	120	80		1224
Rene Morejon	Assistant PM	PSA	Construction	V-S00982	MCO Campus Key & Lock Replacement - Design	80	155	72										307
Rene Morejon	Project Manager	PSA	Construction	V-TBD	BHS Diverters Phase 2												80	
					Total Hours	**146**	**161**	**144**	**186**	**171**	**168**	**176**	**176**	**104**	**120**	**80**	**80**	**1566**
Sarah Pancoast	Admi Assistant	PSA	Construction	PMO	South Terminal Projects through 12/2026	176	168	160	176	168	168	176	176	160	176	176	160	2040
					Total Hours	**176**	**168**	**160**	**176**	**168**	**168**	**176**	**176**	**160**	**176**	**176**	**160**	**2040**
					Total PSA Hours	**1513**	**1449**	**1401**	**1838**	**1685**	**1740**	**1952**	**1902**	**1775**	**1848**	**2039**	**1655**	**20797**

Forethcoming
projects:
1. Parking Guidance, 2-3 personnel full time for 18 months, Corey, Either Dale or Kevin, some for Jaime, part time Becky, starts later this summer
2. North terninal refresh-Electrrical upgrades - Dale full time 2-4 years under AECOM, just worked this out with Ross today, Ross will get Dale hours in the next 2-3 weeks to get started part time

Updated

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

Published By: Nar
Reviewed By:

CCM NEW ITEM
6/18/2024
Item IV-F

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, Vice President of Construction

DATE: June 18, 2024

ITEM DESCRIPTION

Request for Approval of an Amendment to Addendum 20 to the Architect of Record for South Terminal C-Phase 1 Agreement with HNTB for Design, Bid, and Award Services for the negative KVAR corrections for W-S00110 South Terminal C, Phase 1-Architect of Record (& Major Subs) at Orlando International Airport

BACKGROUND

On October 10, 2018, the Construction Committee approved Addendum No. 20 in the amount of $13,346,417.00 to the above referenced agreement. Through Addendum 20 and its various amendments, HNTB has provided Construction Administration services to support the STC. These services will support the Terminal C KVAR VS00056 project.

ISSUES

Consultant's proposal, dated May 23, 2024, is for design, bid, and award services related to addressing the existing negative KVAR issues in Terminal C. The Consultant's proposal includes design drawings and specifications, review of existing conditions, site walks, department meetings, and coordination with stakeholders.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

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

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from Line of Credit (LOC) to be reimbursed by General Airport Revenue Bonds (GARBs) from W-S00151 Terminal C Design and Project Oversight Services. Funding source verified by Melvin Martinez of Construction Finance on 06 / 13 / 24 as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Amendment to Addendum No. 20 to the Architect of Record for South Terminal C, Phase 1 Agreement with HNTB for the services contained herein and the amount as shown below:

Not to Exceed Fees	$35,228.00
Lump Sum Fees	$0.00
Not to Exceed Expenses	$0.00
TOTAL	**$35,228.00**
AAC – Compliance Review Date	6/13/2024 ZTG
AAC – Funding Eligibility Review Date	6/13/2024

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

May 23, 2024

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

Re: Proposal for an Amendment to Addendum 20, WS-110 Terminal C – Phase 1, Architect of Record Contract, for Negative KVAR Corrections
HNTB Job No. 61581

Dear Mr. Marble:

As requested by Ksenia Merck, please find the attached proposal from the Authority's major sub for Terminal C electrical design, Matern Professional Engineers for the electrical design of the negative KVAR Corrections for Terminal C - Phase 1. HNTB has no role / participation in this amendment scope of work.

FEE SUMMARY and MWBE/DBE PARTICIPATION:
Due to the specialized nature of the scope of work, no MWBE/DBE participation is included. The proposed Matern fees are as follows:

GOAA South Terminal C Phase 1			
Negative KVAR Corrections			
5/23/2024			
Firm	**MWBE/ DBE**	**NTE Fee**	**Role**
HNTB Corporation		$ -	None
Subtotal	**0.0%**	**$ -**	
Matern		$ 35,228.00	Electrical Design
Subtotal	**0.0%**	**$35,228.00**	
Total Lump Sum Fee			
Total NTE Fee		**$35,228.00**	
Total Contract		**$35,228.00**	
MWBE/DBE	**0.0%**	**$ -**	

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
Ksenia Merck, Senior Program Director, OAR
Ross Spence, AECOM OAR
George Gilhooley, PE, Project Principal, HNTB
Erik Lange, PE, Sr. Project Manager, HNTB
Mark Bryan, MBA, Project Business Manager, HNTB

Attachments: Scope and Fee Tables
Truth in Negotiation Certification

PROPOSAL

DATE: May 23, 2024

CLIENT: William Brooks
HNTB Corporation
11346 Terminal C Service Road
Orlando, FL 32824

RE: MCO Terminal C Negative KVAR Corrections
MPE Project No.: T-7004

Dear Mr. Brooks:

Attached is our proposal for the Negative KVAR Corrections at Terminal C.

1. General Description of Electrical Scope and Fee for Additional Services

1.1 Download and archive existing As-builts.

1.2 Revise Revit backgrounds to reflect the final locations of equipment from Contractor As-builts.

1.3 Set up project linking Revit models, creating Demo/Reno views, creating Demo/Reno sheets, Overall Plans, Floor Plans, Detail sheets, Panel Schedule sheets, and Riser/One-Line sheets.

1.4 Replacing old Revit families with the latest families.

1.5 Field verify existing conditions within the switchgear rooms that will be receiving cabinets. (Approximately 10 rooms)

1.6 Coordinate with Fortop to design equipment/details for each location.

1.7 Create Demo/Reno Switchgear Schedules/Elevations for affected switchgear.

1.8 Create Mechanical Feeder Schedules.

1.9 Create full Specifications.

1.10 Issue 95% Review Set, prepare for and attend 95% TRT Review meeting and incorporate 95% Review Comments.

1.11 Prepare for and attend Pre-bid Meeting.

1.12 Prepare for and attend Site Walk.

1.13 Respond to and incorporate City Review Comments.

Corporate Office: 130 Candace Drive, Maitland, Florida 32751-3331 Phone: 407.740.5020
Orlando • Fort Myers • Tampa
FL CA #5096 • Federal CAGE# 0SCD3 | GSA Small Business Contract #47QSHA19D0026 • www.matern.net
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1.14 Issue Bulletin if required.

Proposed Not To Exceed Reimbursable Fee: $35,228.00

Thank you for the opportunity to propose our services for this project.

Sincerely,

Sincerely,
MATERN PROFESSIONAL ENGINEERING, INC.



Thomas C. Croff
Senior Project Manager
TCC/emh

Authorization to provide the above Engineering Services:

Signed:_____

Name:_____

Title:_____

Date:_____

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

Phase of Project:	Preliminary Design	Schematic 30%	Development 60%	Const. Docs. 95%	Bidding & Award	SUBTOTAL	Const. Admin.	Record Documents	TOTAL CONTRACT
1.0 Lump Sum Fee:	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2.0 Not to Exceed Reimbursable Fee:	$35,228.00	$0.00	$0.00	$0.00	$0.00	$35,228.00	$0.00	$0.00	$35,228.00
3.0 Not to Exceed Reimbursable Expenses:	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
4.0 TOTAL CONTRACT VALUE:	$35,228.00	$0.00	$0.00	$0.00	$0.00	$35,228.00	$0.00	$0.00	$35,228.00

Total Lump Sum Labor Hours:	0	0	0	0	0	0	0	0	**0**
Total Not to Exceed Reimbursable Labor Hours:	372	0	0	0	0	372	0	0	**372**
TOTAL LABOR HOURS:	**372**	**0**	**0**	**0**	**0**	**372**	**0**	**0**	**372**
Average Hourly Rate:	$94.70	$0.00	$0.00	$0.00	$0.00	$94.70	$0.00	$0.00	$94.70

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

Phase of Project:	Preliminary Design		Schematic (30%)		Development (60%)		Const. Docs. (95%)		Bidding & Award		Const. Admin.		Record Documents		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Matern Professional Engineering																	
Not to Exceed Reimbursable Fee	372	$35,228													372	$35,228	94.6989
Not to Exceed Reimbursable Expenses																	
Sub-Total Designer	**372**	**$35,228**													**372**	**$35,228**	94.6989
Subconsultant No. 1																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 1	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Subconsultant No. 2																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 2	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Subconsultant No. 3																	
Not to Exceed Reimbursable Fee	0		0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 3	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Subconsultant No. 4																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 4	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Subconsultant No. 5																	
Not to Exceed Reimbursable Fee			0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0
Not to Exceed Reimbursable Expenses																$0	
Sub-Total Subconsultant No. 5	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	0
Total Not to Exceed Amount:	**372**	**$35,228**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**372**	**$35,228**	94.6989

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position:	Principal Engineer		Sr. Project Manager/QC/Engi		Engineer / Designer III / Field		CADD Technician		Clerical		TOTAL		
Rate ($/Hour):	$238.00		$149.00		$94.00		$72.00		$71.00				Avg. Hourly
	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Rate
Design													
Download /Archive existing As-builts.		$0		$0		$0	4	$288		$0	4	$288	$72.00
Revising Revit backgrounds to reflect final locations of equipment from Contractor As-builts		$0		$0		$0	12	$864		$0	12	$864	$72.00
Project Setup: 17 hrs • Linking Revit models as needed. • Creating Demo/Reno views for Revit sheets. • Creating Demo/Reno Sheets for Project. • Creating Information sheets, Overall Plans, floor plans, detail sheets, panel schedule sheets, risers/one-lines sheets.		$0		$0		$0	24	$1,728		$0	24	$1,728	$72.00
Replacing old families with latest • Locating existing conditions of fixtures/devices/equipment. • Replacing all electrical fixtures/devices/equipment with updated/upgraded Revit families. • Re-circuiting all electrical fixtures/devices/equipment.		$0		$0		$0	24	$1,728		$0	24	$1,728	$72.00
Field verify existing conditions within switchgear rooms which will be receiving cabinets (approximately 10).		$0		$0	18	$1,692	16	$1,152		$0	34	$2,844	$83.65
Coordinate with Fortop to design equipment/details for each location.		$0	24	$3,576		$0	16	$1,152		$0	40	$4,728	$118.20
Create Demo and Reno Switchgear Schedules/Elevations for affected switchgear.		$0		$0	24	$2,256	16	$1,152		$0	40	$3,408	$85.20
Create Mechanical Feeder Schedules.		$0		$0	10	$940	10	$720		$0	20	$1,660	$83.00
Create full Specifications.		$0	24	$3,576		$0		$0	24	$1,704	48	$5,280	$110.00
Issue 95% Review Set.	2	$476	6	$894	10	$940	16	$1,152	2	$142	36	$3,604	$100.11
Prepare for and attend 95% TRT Review Meeting.		$0	2	$298		$0		$0		$0	2	$298	$149.00
Incorporate 95% Review Comments.		$0	2	$298	6	$564	10	$720		$0	18	$1,582	$60.85
Prepare for and attend Pre-bid Meeting.		$0	2	$298		$0		$0		$0	2	$298	$149.00
Prepare for and attend Site Walk.		$0	4	$596	4	$376		$0		$0	8	$972	$121.50
Issue Permit/Construction Set.	2	$476	4	$596	8	$752	16	$1,152	2	$142	32	$3,118	$97.43
Respond to and incorporate City Review Comments.	1	$238	2	$298	4	$376	2	$144	2	$142	11	$1,198	$108.91

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES

Position:	Principal Engineer		Sr. Project Manager/QC/Engi		Engineer / Designer III / Field		CADD Technician		Clerical		TOTAL		
Rate ($/Hour):	$238.00		$149.00		$94.00		$72.00		$71.00				
	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Avg. Hourly Rate
Issue Bulletin if required.	1	$238	2	$298	4	$376	8	$576	2	$142	17	$1,630	$95.88
Sub-Total Preliminary Design	**6**	**$1,428**	**72**	**$10,728**	**88**	**$8,272**	**174**	**12528**	**32**	**$2,272**	**372**	**$35,228**	**$94.70**
TOTAL ELECTRICAL FEE:	**6**	**$1,428**	**72**	**$10,728**	**88**	**$8,272**	**174**	**$12,528**	**32**	**$2,272**	**372**	**$35,228**	**$95**

NOTES:

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.

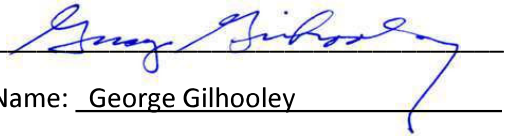
FIRM	POSITION	CONTRACT HOURLY RATE
Matern Professional Engineering, Inc.	Principal Engineer	$238.00
Matern Professional Engineering, Inc.	Sr. Project Manager/QC/Engineer V	$149.00
Matern Professional Engineering, Inc.	Engineer / Designer III / Field Tech III	$94.00
Matern Professional Engineering, Inc.	CADD Technician	$72.00
Matern Professional Engineering, Inc.	Clerical	$71.00
(Updated 07/27/2023)		

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 HNTB Corporation

By: 

Print Name: George Gilhooley

Date: May 23, 2024

Information Items

CC
ITEM V
6/18/2024

INFORMATION ITEM
SUPPLEMENTAL INFORMATION

Project Controls
Field Change Order (FCO) Tracking Log

Project	FCO No.	Amount	FCO Date	CCM Date FCO Converted to
BP-S00195	04	$ 50,000.00	5-Jun-23	Open
BP-S00195	06	$ 2,500.00	11-Jul-23	Open
BP-S00195	10	$ 35,000.00	5-Sep-23	Open
BP-S00195	11	$ 20,000.00	5-Sep-23	Open
BP-S00195	12	$ 25,000.00	9-Jan-24	Open
BP-S00195	13	$ 48,000.00	11-Feb-24	Open
BP-S00195	14	$ 7,000.00	11-Feb-24	Open
BP-S00195	15	$ 18,000.00	1-Apr-24	Open
BP-S00195	16	$ 10,000.00	1-Apr-24	Open
BP-S00195	17	$ 27,000.00	13-May-24	Open
BP-S00195	18	$ 32,000.00	24-May-24	Open
BP-S00195	19	$ 30,000.00	24-May-24	Open
BP-S00198	01	$ 35,508.00	15-Dec-23	Open
E-00275	01	$ 2,469.79	7-Feb-24	Open
E-00275	02	$ 28,765.98	25-Mar-24	Open
E-00276	01	$ 1,050.05	7-Feb-24	Open
V-01011	01	$ 24,672.14	12-Mar-24	Open
V-01011	02	$ 15,120.00	15-Apr-24	Open
V-01011	3	$ 5,121.16	7-Jun-24	Open

CC
ITEM V-A
6/18/2024

GOAA

W-S00497 North Terminal Refresh Program

COMPANY	Hourly Rate	Hours	DESCRIPTION AND PERSON'S NAME	START DATE	COMPL. DATE	FORECASTED LABOR
AECOM	$ 286.00	648	Sr. Program Director	2/21/2024	6/30/2024	$ 185,328.00
AECOM	$ 163.00	744	Project Manager II - Structure	2/21/2024	6/30/2024	$ 121,272.00
AECOM	$ 100.00	435	Project Coordinator III	2/21/2024	6/30/2024	$ 43,500.00
AECOM	$ 163.00	744	Project Manager II - Mechanical	2/21/2024	6/30/2024	$ 121,272.00
JSG	$ 155.00	744	Project Manager - Document control/compliance	2/21/2024	6/30/2024	$ 115,320.00
BCSI	$ 222.00	744	Sr. Construction Manager - Arch/Envelope	2/21/2024	6/30/2024	$ 165,168.00
BCSI	$ 176.00	744	Project Manager - Electrical	2/21/2024	6/30/2024	$ 130,944.00
CMI	$ 159.00	100	Sr. Estimator	2/21/2024	6/30/2024	$ 15,900.00

CMI	$225.00	Chief Estimator
CMI	$ 84.00	Technical Assistant

Subtotal **$ 898,704.00**

CC
ITEM V-B
6/18/2024

INFORMATION ITEM
REVISED BACKUP
ORIGINAL CCM ITEM 4-G
02/06/2024

NT Refresh Program Reimbursable Expenses

	Months	Monthly Total	Grand Total
Reprographics/Printing (3rd party)	5	$ 250.00	$ 1,250.00
~~Direct Project Supplies - common office supplies, safety, etc. (not supplied by GOAA)~~	~~5~~	~~$ 500.00~~	~~$ 2,500.00~~
Budget Total		**$** ~~**750.00**~~	~~**$ 3,750.00**~~
		250.00	1,250.00

Published By: Name of Preparer of CC Memo
Reviewed By:

GREATER ORLANDO AVIATION AUTHORITY
Innovation Connecting the World

INFORMATION ITEM
REVISED MEMO
ORIGINAL CCM ITEM 4-E
05/28/2024

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, Vice President of Construction (As prepared by Ksenia Merck, OAR)

DATE: May 28, 2024

ITEM DESCRIPTION

Request for Approval of an amendment to the Purchase Order to TK Elevator Corporation for Purchase Order no. 1007440 for V-S00038 Terminal C Level 2 Moving Walks (D/B) at Orlando International Airport)

BACKGROUND

As a part of the Terminal C Enhancements Program, the V-S00038 Terminal C Level 2 Moving Walks (D/B) project has been established. TK Elevator Corporation (TKE) was issued GOAA Purchase Order no. 1007440 on 10 October 2023 in response to RFQ 23-690 for the moving walks including: parts & materials and installation.

ISSUES

TK Elevator Corporation has requested a change to the payment terms due to the quantity and type of materials required for the project of this type as follows:

- 50% of the contract price for project management, permits, engineering, shop drawings, submittals and raw material procurement
- 25% of the contract price when the material has been received at the jobsite or other agreed location
- 25% of the contract price for complete installation

The project has conducted a review of the on-site conditions and code analysis with several options presented to GOAA. GOAA has requested Option no. 5 which provides for a longer moving walkway for the customer experience. Option no. 5 requires additional materials and TKE has provided a quote for the additional material, labor and freight to accomplish the installation.

The total amount of the amendment to the Purchase Order to TK Elevator Corporation is $114,674.00.

If approved, these services would be effective the date of construction committee approval.

Note that a Board Information Item will be provided to change the Scrivener's error from not-to-exceed to lump sum on the original Board item.

SMALL BUSINESS

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

ALTERNATIVES

There are no alternatives.

FISCAL IMPACT

Funding is from Line of Credit to be reimbursed by General Airport Revenue Bonds. Funding source verified by Melvin Martinez of Construction Finance on 06/12/24 as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee (1)approve the amendment to the Purchase Order for RFQ# 23-690 to TK Elevator Corporation as contained herein and for the total amount as shown below; (2) authorize Procurement Services to execute the necessary documents following satisfactory review by legal counsel; and (3) approve Procurement Services to issue the amended Purchase Order:

NTE FEE	**$0.00**
Lump Sum	**$114,674.00**
TOTAL	**$114,674.00**
AAC – Compliance Review Date	ZTG 5/21/2024
AAC – Funding Eligibility Review Date	5/21/2024