GOAA DATE 5/18/2022
ITEM NO. 3.F
DOCUMENTARY # 101359

ADDENDUM NO. 37
TO THE AGREEMENT DATED APRIL 24, 2018
BETWEEN GREATER ORLANDO AVIATION AUTHORITY
AND AVCON, INC.

Project: **Design, Bid and Award Services for E-00280, West Airfield Electrical Upgrades, Orlando International Airport**

THIS ADDENDUM is effective this 18th day of May, 2022, by and between the **GREATER ORLANDO AVIATION AUTHORITY** ("Authority"), and **AVCON, INC.** ("Consultant').

WITNESSETH:

WHEREAS, by Agreement dated April 24, 2018, Authority and Consultant entered into an agreement for Consultant to provide Continuing Civil Engineering services; and

WHEREAS, under the Agreement, Consultant agreed to perform such additional services for the Authority as are contained in any additional scope of work established by the Authority in any addendum to the Agreement and accepted in writing by the Consultant; and

WHEREAS, the Authority and the Consultant desire to enter into this Addendum to the Agreement to provide for additional services to be rendered by the Consultant under the terms of said Agreement.

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, the Authority and the Consultant do hereby agree as follows:

1. Consultant shall perform additional services in accordance with the terms of the Agreement and the attached Exhibit "A." Consultant shall be paid for such additional services according to the payment terms set forth in the Agreement.

2. Consultant shall be compensated for such additional services in the **LUMP SUM** amount of **TWO HUNDRED NINETY-FOUR THOUSAND EIGHT HUNDRED THIRTY-EIGHT AND NO/100 DOLLARS ($294,838.00),** broken down as follows:

Professional Fees:	**NTE:**	**$0.00**
Professional Fees:	**LS:**	**$294,838.00**
Reimbursable Expenses:	**NTE:**	**$0.00**
Total:		**$294,838.00**

3. A. Consultant hereby certifies that it is not on the Scrutinized Companies that Boycott Israel List and is not engaged in a boycott of Israel, as defined in Florida Statutes § 287.135, as amended;

AND

B. (applicable to agreements that may be $1,000,000 or more) - Consultant hereby certifies that it is: (1) not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List as defined in Florida Statutes § 287.135; and (2) not engaged in business operations in Cuba or Syria, as defined in Florida Statutes § 287.135, as amended.

4. Authority may terminate the Agreement for cause and without the opportunity to cure if the Consultant is found to have submitted a false certification or has been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

In the event the Agreement is for One Million Dollars ($1,000,000.00) or more, Authority may terminate this Agreement for cause and without the opportunity to cure if the Consultant is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria.

5. Except as expressly modified in this Addendum, the Agreement dated April 24, 2018 and all prior addenda will remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto by their duly authorized representatives, have executed this Addendum this 23 day of May, 2022.

GREATER ORLANDO AVIATION AUTHORITY

By: _____
Kevin J. Thibault, P.E.
Chief Executive Officer

Approved as to Form and Legality
(for the benefit of GOAA only)

this 20 day of May, 2022

By: _____
NELSON MULLINS BROAD AND CASSEL, Legal Counsel
Greater Orlando Aviation Authority

AVCON, INC.

By: _____
Signature (Duly Authorized Rep.)

Sandeep Singh
Printed Name

President
Title

GREATER ORLANDO AVIATION AUTHORITY

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

Memorandum

To: **Members of the Construction Committee**

From: **Tuan Nguyen, Manager of Engineering**
(Prepared by Alex Sorondo)

Date: **May 3, 2022**

Re: **Request for Recommendation of Approval of an Addendum to the Continuing Civil Engineering Consultant Services Agreement with AVCON, Inc. for Design, Bid and Award Services for E-00280, West Airfield Electrical Upgrades, Orlando International Airport**

Consultant's proposal, dated April 15, 2022, is to provide Design, Bid and Award Services for the west airfield electrical system. If approved, these services would be effective after approval from the Aviation Authority Board.

This continuing consultant was selected for this task based on (☑ all that apply):

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

Consultant shall, with each monthly invoice, certify that the assigned work and services are on schedule to be completed within the contracted lump sum price, or provide at time of certification a written notice to the Aviation Authority of any deviations.

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

Funding is from previously approved Capital Expenditure fund 308.631.110.5660003.000.501582. Funding source verified by VHinds of Construction Finance on 04/27/22 as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Addendum to the Continuing Civil Engineering Consultant Services Agreement with AVCON, Inc. for the services contained herein and amount as shown below:

Not to Exceed Fees	$0.00
Lump Sum Fees	$294,838.00
Not to Exceed Expenses	$0.00
TOTAL	**$294,838.00**
AAC – Compliance Review Date	LMG 4/26/22
AAC – Funding Eligibility Review Date	4/26/22

April 15, 2022

Mr. Alex Sorondo, P.E.
Senior Project Manager
Greater Orlando Aviation Authority
11413 Terminal C Service Road
Orlando, Florida 32824

Reference: **Scope of Services and Fee Proposal**
Airfield Electrical Upgrades – Phase 1
Orlando International Airport

Dear Alex:

As a follow up to our discussion with Tuan and Richard, the following scope and fee proposal has been updated and revised to provide design and bidding documents for Airfield Electrical Upgrades associated with the West Airfield Electrical Assessment report. AVCON has itemized the following projects that correspond to the Assessment report recommendations. The intent is that these projects will be packaged together in a single bid package with a base bid and additive alternates to be bid amongst the Continuing Contractors. The scope of work included in this proposal includes:

Base Bid
- **Removal of DC circuit from Taxiway F Centerline Circuit 1 (TFC1) and rehabilitation of TFC2 Centerline Circuits – 18L**
- **Replacement of Diesel Generator at the 18R-36L Airfield Lighting Vault**

Add Alternates
- **Taxiway F West Airfield Lighting Improvements – 18L Circuit TFE1**
- **Taxiway E West Airfield Lighting Improvements – 18L Circuits TEC1, & TEE1**
- **Taxiway E West Airfield Lighting Improvements – 18R Circuits TEC1, TEC2, TEE1, & TSE1**
- **Airside 3, Apron 3 Lighting Improvements – Circuit Apron 3**
- **Replacement of ALCMS Fiber Optic Cable from 17R Airfield Lighting Vault to ATCT**
- **Replacement of Up to Two (2) Regulators with new ACE 3 Units**

Removal of DC circuit from Taxiway F Centerline Circuit 1 (TFC1) and Rehabilitation of TFC2 Centerline Circuits – 18L

In 2018, AVCON designed the replacement of the DC circuit associated with Taxiway F Centerline Circuit 1 (TFC1) with the assumption that the circuit would be replaced by the GOAA maintenance department. The design was taken to 90% and submitted to GOAA for review. This review determined that the proposed work was beyond the capabilities of the maintenance department to undertake on their own. Efforts were made to include the design into other projects, but scope of work and budgets prevented this from happening.

While the DC circuit is being removed, the TFC2 Centerline Circuit should also be rehabilitated. This work has not previously been designed. The centerline lighting for TWF is comprised of interleaved circuits TFC1 and TFC2. The conductors for circuit TFC2 are contained within the same conduit as the conductors for TFC1 and, therefore, will need replacement while the work for TFC1 is undertaken. During construction, the lighting fixtures and transformers for TFC2 will need to be removed to access the conductor for replacement. The TFC2 circuit fixtures and transformers shall also be replaced during this project. TFC2 circuit is powered from a CCR located in the 18L vault. The existing CCR has an ADB ACE 2 interface, which is no longer manufactured, and support for the unit is being phased out. The CCR's shall be replaced at this time, which will include ACE 3 control and monitoring for interface with the existing ADB-Safegate ALCMS. Please see Exhibit EX-01.

The areas of work included in this phase of work includes:

- Taxiway F Centerline Circuit 1 and 2 (TFC1 and TFC2) powered from the 18L vault facility.
- Replacement of the CCR's in 18L vault that are associated with the TFC1 and TFC2 airfield lighting circuit.

To complete the design and package for bidding, the scope of services for this phase of work is delineated as follows:

- Conduct a site visit to validate previous design efforts against current conditions and update the design as required.
- Add plan sheets required for bidding – general notes, MOT, Phasing, etc.
- Add additional demolition, layout, circuiting, and numbering sheets to cover the TFC1 and TFC2 conductor replacement, replacement of TFC2 centerline fixtures, and update the vault sheets.
- Prepare Technical Specifications
- Identify Pay Items, Summary of Quantities, and Schedule of Values
- Prepare CSPP
- Prepare a Scope of Work/Requirements for the replacement of the Constant Current Regulator (CCR), for Circuit TFC1 and TFC2, with ACE 3 unit
- Coordinate with ADB-Safegate on equipment, software revisions, and update of the Control System Schematic

Replacement of Diesel Generator at the 18R-36L Airfield Lighting Vault

Similar generator installations have been completed across the airport, including the recent generator system serving 17R-35L and 18L-36R Airfield Lighting Vaults. Please see Exhibit EX-2. The project will include four (4) major work elements:

1. Replacement of the nearly 30-year-old generator with a new enclosed unit mounted with belly tank. Installation of the new generator for 18R Vault will include an outdoor weatherproof enclosure, dedicated (fixed position) load bank,

and generator exerciser. The unit will be located exterior of the vault building, like the recent 18L-36R generator installation completed in BP-486.
2. Update the existing Russelectric switchgear to current standards for use with new generator interface and update the current Russelectric controller interface.
3. Renovations to existing vault to update to current GOAA standards.
4. Coordination of existing Underground Storage Tank (UST) removal for compliance with environmental limitations (beyond insurable age).

The project is being accomplished in three steps. The initial work effort to replace the Generator portion of this project includes the general requirements, specifications, and drawings to incorporate the work into the bid package. Major elements of this work included:

- Install new generator in the immediate vicinity of the vault.
- New generator shall be equipped with self-contained above ground (belly) tank, exerciser, and dedicated load bank.
- Modify the existing power systems required coordinate with the new generator.
- Install new duct bank and conductor routing from the generator to the switchgear/Automatic Transfer Switch.
- Modify the existing Russelectric Switch Gear and Controller Unit for new Generator interface.
- Replace existing ADB ACE 2 monitoring interfaces with new ADB-Safegate ACE 3 monitoring unit.
- Have new arc flash study conducted to be completed as a complete system update for the 18R vault systems and equipment.

The second element includes the renovation of the existing vault building and subsystems to bring the vault up to new current GOAA standards, and to re-purpose the former generator room as shop and support space for the west airfield electrical needs. The specific elements include the following:

- Remove all louvers, intake and exhaust, block up holes (total of 3 large louvers).
- Remove generator exhaust system, block up holes. Remove muffler and support channels, etc. Remove radiator and exhaust sheet metal shroud.
- Remove and replace the existing fuel monitor system and update the installation on the new generator diesel tank. All existing raceway etc. utilized by the existing fuel system shall be demolished and replaced by new.
- Remove generator and associated equipment. Everything associated with the existing generator, support equipment and fuel system no longer used shall be removed.
- Remove generator pad, repair and repaint floor with 3-part epoxy paint spec from Authority.
- Remove unused conduit/abandoned conduits and wiring.
- Seal block and paint interior walls of the generator room and any walls exposed by the required demolition.
- Remove and replace exterior doors and upgrade panic hardware.

- Replace door on the vault south side of the generator room for a more direct access to the new generator.
- Repair all building penetrations to new condition.
- Modify the existing fire suppression and alarm system to coordinate with building closure.
- Remove all unused piping, conduit etc. from exterior of vault.
- Repair all surfaces, grades, walls, etc. to like new condition.

The third and last element includes coordination with GOAA environmental staff to remove and provide proper documentation to eliminate the UST upon completion and commissioning of the new generator installation. The primary aspect of this work element is:

- Coordinate removal of fuel tank, day tank, all piping, all vents and vent piping by others. (Actual Removal of UG fuel tank and piping is not in this scope but will be coordinated with GOAA Environmental for removal under a direct contract.

To complete the design and package for bidding, the scope of services for this phase of work is delineated as follows:

- Conduct a site visit to the 18R-36L Airfield Lighting Vault
- Siting of the new generator in the immediate vicinity of the vault.
- Evaluate and identify any changes to the updated power requirements to size the new generator (if different than existing).
- Design revisions to Switchgear and monitoring of generator.
- Design new duct bank and conductor routing from the generator to the switchgear/ATS.
- Provide complete procurement specifications
- Provide floor plans and elevation drawings for the vault demolition.
- Provide floor plans and elevations for the louver removal and vault restoration.
- Provide design details for removal of generator and generator pad, 12" below slab elev.
- Provide design details and notes for restoration of vault floor and wall surfaces following enclosure of space from original louvers and fan shroud.
- Provide necessary design for improvements to HVAC and lighting systems.
- Provide complete procurement documents, technical specifications and proposal forms for GOAA review and TRT as well as the continuing electrical and vertical contractors.
- Modify CSPP to include construction of Generator and appurtenances.
- Provide construction estimates of the proposed work effort; and
- Provide procurement support for GOAA continuing electric or direct negotiation process.

Taxiway F West Airfield Lighting Improvements – 18L Circuit TFE1

AVCON proposes to replace the remaining aging semi-flush and elevated edge lighting fixtures, signs, and conductors for the length of Taxiway F powered from the 18L vault. The lighting fixtures and circuiting to be replaced in this project task shall include the taxiway edge lighting and taxiway guidance signs that are associated with circuit TFE1. In addition, all L-824 lighting conductors shall be replaced including the home run circuits. TFE1 circuit is powered from a CCR located in the 18L vault. The existing CCR has an ADB ACE 2 interface which is no longer manufactured, and support for the unit is being phased out. The CCR shall be replaced, which will include ACE 3 control and monitoring for interface with the existing ADB-Safegate ALCMS. Please see Exhibit EX-01.

The areas of work included in this phase of work includes:

- Taxiway F Edge Circuit 1 (TFE1) powered from the 18L vault facility,
- Replacement of the CCR in 18L vault associated with the TFE1 airfield lighting circuit.

To complete the design and package for bidding, the scope of services for this phase of work is delineated as follows:

- Site visit to inspect current conditions and validate existing record drawings for the Taxiway F edge lighting and sign circuits and fixtures.
- Modify plan sheets required for bidding of this phase – MOT, Phasing, Demolition, Layout, Circuiting, Numbering, etc.
- Update Summary of Quantities, and Schedule of Values to include fixtures and appurtenances associated with TFE1 circuit.
- Modify CSPP to include construction of TFE1 circuit appurtenances.
- Prepare a Scope of Work/Requirements for the replacement of the Constant Current Regulator (CCR), for associated TFE1 circuit, with ACE 3 unit
- Coordinate with ADB-Safegate on equipment, software revisions, and update of the Control System Schematic

TWY E Lighting Improvements Associated with Circuits powered from 18L & 18R Vaults

AVCON proposes to replace the aging semi-flush and elevated lighting fixtures, signs, and conductors for the length of Taxiway E powered by the 18L and 18R vaults. The circuit is comprised of 3 sections with each individual section being powered from either the 18R-36L vault, 18L-36R vault, or 17R-35L vault. The circuits powered from the 17R-35L vault are not being addressed in this project. The project lighting fixtures and circuiting to be replaced in this project shall include the taxiway centerline, taxiway edge and taxiway guidance signs that are associated with circuits TEC1, TEC2, TEE1 and TSE1. In addition, all L-824 lighting conductors shall be replaced including the home run circuits. Lastly, the existing CCRs' have ADB ACE 2 interface which is no longer manufactured and support for the unit is being phased out. The CCR's shall be replaced, which will include ACE 3 control and monitoring for interface with the existing ADB-Safegate ALCMS. Please see Exhibit EX-01.

The areas of work included in this phase of work includes:

- Taxiway E Edge Circuit 1 (TEE1) powered from the 18L and 18R vaults,
- Taxiway E Centerline Circuits 1 & 2 (TEC1 & TEC2) powered from the 18L & 18R vaults,
- Taxiway E Sign Circuit 1 (TSE1) powered from the 18R vault,
- Replacement of the associated CCR's in 18L and 18R vaults,
- The portion of TWE being powered from the 17R-35L vault has not been included in this phase of work,

To complete the design and package for bidding, the scope of services for this phase of work is delineated as follows:

- Site visit to inspect current conditions and validate existing record drawings for the entirety of Taxiway E lighting circuits and fixtures.
- Add plan sheets required for bidding of this phase – MOT, Phasing, Demolition, Circuiting, Numbering, etc.
- Update Summary of Quantities, and Schedule of Values to include fixtures and appurtenances associated with TEC1, TEC2, TEE1, and TSE1 circuits.
- Prepare a Scope of Work/Requirements for the replacement of the Constant Current Regulator (CCR), for associated TWE circuits, with ACE 3 unit
- Coordinate with ADB-Safegate on equipment, software revisions, and update of the Control System Schematic

Airside 3, Apron 3 Lighting Improvements – Circuit Apron 3

AVCON proposes to replace the aging semi-flush and elevated lighting fixtures, signs, and conductors (including the home run conductor) for the Airside 3, Apron3 circuit. The circuit is being powered from the 18L-36R vault, and the CCR powering this circuit is equipped with a ADB ACE 2 control unit. The ACE 2 unit is being phased out and will no longer be supported by the manufacturer. The CCR powering Apron 3 circuit shall be replaced with a new CCR equipped with a new ACE 3 control unit. Please see Exhibit EX-01.

The areas of work included in this phase of work includes:

- Airside 3, Edge Light Circuit (Apron3) powered from the 18L Vault
- Replacement of the CCR in 18L, vault that are associated with the TFE1 airfield lighting circuit.

To complete the design and package for bidding, the scope of services for this phase of work is delineated as follows:

- Site visit to inspect current conditions and validate existing record drawings for the Apron 3 edge lighting and sign circuits.
- Modify plan sheets required for bidding of this phase – MOT, Phasing, Demolition, Layout, Circuiting, Numbering, etc.

- Update Summary of Quantities, and Schedule of Values to include fixtures and appurtenances associated with Apron3 circuit.
- Modify CSPP to include construction of Apron3 circuit appurtenances.
- Prepare a Scope of Work/Requirements for the replacement of the Constant Current Regulator (CCR), for associated Apron3 circuit, with ACE 3 unit
- Coordinate with ADB-Safegate on equipment, software revisions, and update of the Control System Schematic

Replacement of ALCMS Fiber Optic Cable from 17R Airfield Lighting Vault to ATCT

AVCON proposes to replace the existing Multimode fiber optic cables with two (2) 12 strand single-mode (SM) fiber optic cables between the 17R airfield lighting vault and the ATCT. The two cables are designated 17L-FO1 and 17R-FO1.

The existing ALCMS system has considerably more data to process than the original 1989 system or the previously updated BP-308 system. The existing multi-mode fiber optic communication links are being used at a high bandwidth throughput. The longer multi-mode fiber optic links are beginning to experience communication errors due the quantity of data and the distances involved. A fiber optic cable is commonly characterized by its bandwidth-distance product. While the length of the multi-mode fiber optic cables has remained fixed, the quantity of data (bandwidth) has continued to increase; occasionally exceeding the bandwidth-distance product. Each ALCMS node (i.e., ATCT or an ALV) has two communication channels or links. These errors have not resulted in ALCMS failures but have resulted in a communication link alarm and resending of the data on the alternate communication link. If one channel fails, the second link is available.

As a result of the communication errors, AVCON, INC. is recommending replacing the multi-mode fiber optic communication links with single-mode fiber optic communication links. Single-mode fiber optic links will provide the highest possible bandwidth over significantly longer distances than multi-mode fiber optic links. Single-mode fiber optic links have a substantially higher bandwidth-distance capacity than multi-mode fiber optic links. The cost of the lasers necessary to drive single-mode fiber optic communications has decreased significantly in the last decade making this upgrade more viable than previously.

Fiber optic cable installation will utilize existing Maxcell inner-duct. Fiber optic cable ducts from the 17R airfield lighting vault to Manhole C-18 and from Manhole S004-11AA to the ATCT have pull strings installed and are ready to accept fiber optic cable installation. This portion of the route is marked green on the attached Exhibit. Ducts from Manhole C-18 to Manhole S004-11AA are congested. The most advantageous route may be selected by the fiber optic cable installer. The duct in this area of the run is marked yellow on Exhibit EX-03.

The areas of work included in this phase of work includes:

- Install Single Mode Fiber Optic cable between ATCT and the 17R Vault
- Replace the Multimode Fiber transceivers with new Single Mode transceivers.
- Test all fiber prior to terminations of fiber cable.
- Complete all terminations in ATCT and 17R Vault
- Test ALCMS system with new fiber connections

To complete the design and package for bidding, the scope of services for this phase of work is delineated as follows:

- Site visit to validate current conditions and record any variations since the W-371 report was completed February 2019.
- Add plan sheets required for bidding of this phase – Fiber Optic Notes, MOT, Phasing, Demolition, Circuiting, Floor Plans, Details, etc.
- Update Summary of Quantities, and Schedule of Values to include fiber optic work
- Modify CSPP to include installation of fiber optic cable along the length of Taxiway E and E3 and crossing Taxiway F between 17R vault and ATCT
- Coordinate with ADB-Safegate on equipment, software revisions, and update of the Control System Schematic

Replacement of Up to Two (2) Regulators with new ACE 3 Units

AVCON proposes to begin the systematic replacement of the aging regulators in the 18L-36R vault. This work can be accomplished alongside the proposed DC Circuit replacement effort. The design is simply to add up to two (2) new replacement regulators including new, updated ACE 3 units. This project element does not warrant a separate design element, other than to match the work for the DC circuit work. The new regulators are proposed as Additive Alternate Bid items to be included in the bid package if budget allows. All work is identical in scope, in the same vault and constructed in the same timeframe. There is not separate engineering or design other than to identify the additional regulators on the final plan set for the DC circuit work. The scope of services is delineated as follows:

SCOPE OF WORK

Part A – Preliminary Design

1. Walk the project site with GOAA Maintenance and/or project OAR to verify the existing conditions
2. Review applicable Record Drawings from previous Projects
3. Setup of Project to include all elements of design
4. Determine plan sheets, details and specifications to define the work requirements
5. Develop Preliminary Engineers Report
6. Prepare a Table of Contents for Specifications.

Part B – 30% Final Design Phase Services

1. Compile details and specifications to define the work requirements, including special interface with on-going construction by others.
2. Add plan sheets, and specifications to define the work requirements, including special interface with on-going construction by others.
3. Prepare a tabulation of bid items and quantities and complete estimates of probable cost at 30% stage of the work.
4. Perform QA review of 30% documents and Submit to Authority for Final Review and Comment.

Part C – 60% Final Design Phase Services

1. Update all plan sheets, details and specifications to define the work requirements, including special interface with on-going construction by others.
2. Prepare CSPP Document
3. Prepare Front End Sheets (Haul Route, Safety, Security, etc.)
4. Prepare Phasing Sheets and Barricade Documents
5. Update tabulation of bid items and quantities and complete estimates of probable cost at 60% stage of the work.
6. Perform QA review of 60% documents and Submit to Authority for Final Review and Comment.

Part D – 95% Final Design Phase Services

1. Complete all plan sheets, details and specifications to define the work requirements, including special interface with on-going construction by others.
2. Update CSPP Document
3. Update Front End Sheets (Haul Route, Safety, Security, etc.)
4. Update Phasing Sheets and Barricade Documents
5. Update tabulation of bid items and quantities and complete estimates of probable cost at 95% stage of the work.
6. Obtain latest standard GOAA bid documents and front-end documents for the continuing contractor format; and
7. Perform QA review of 95% documents and Submit to Authority for Final Review and Comment.

Part E – Bidding Phase Services

1. Complete the 100% plans and specifications for use during bidding phase.
2. Provide electronic copies (PDF) on CD's comprising final plans, details and specifications indicating the exact limits and nature of the work for issuance to the Authority's continuing construction contractor.

3. Prepare for and attend one pre-bid conference in conjunction with the AUTHORITY staff to outline the project and answer questions from interested contractors. AVCON will provide input to the meeting agenda and provide responses to questions raised for the design team.
4. Prepare addenda as appropriate to interpret, clarify or expand the Bidding Documents within the bid period and upon approval by the AUTHORITY, issue addenda, including clarifications and other pertinent supplemental data.
5. Evaluate Bids, check and verify Bidder's qualifications, previous work experience and references; and
6. Provide written recommendation to the AUTHORITY for the award of construction contract to the most favorable, responsive bidder.

Compensation:

The compensation is presented in the attached **Exhibit A, Tables C1 through C3 and C9**, which provide a detailed breakdown of labor, hourly rates, and average hourly rate for your consideration. For this project, there is no service areas to incorporate MBE participation.

We have also enclosed our pre-design estimate of the project for your reference. Although the estimate indicates a total budget for all elements of work, it is anticipated that the final bid pricing may allow for at least one of the Additive Alternate projects to be included in the overall project. We fully acknowledge the proposed $3,500,000 cap for FY 2022 improvements.

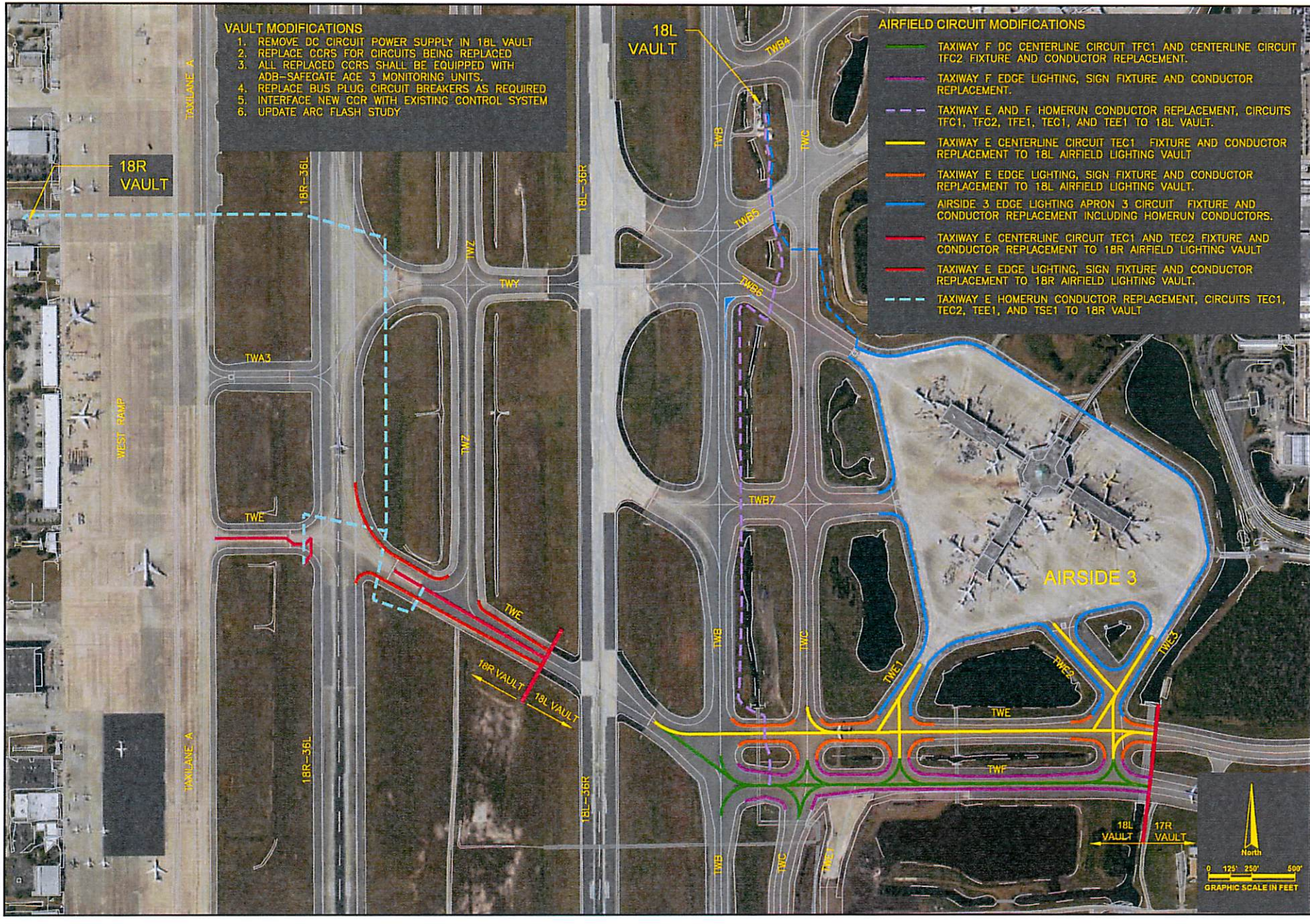
If you have any questions regarding the project scope or fee, please feel free to call. We would be pleased to address these issues at your convenience.

Sincerely,

AVCON, INC.

Craig Sucich, P.E.
Senior Project Manager

Encl. Exhibit A Fee Derivation
Exhibit B Exhibits EX-00 through EX-04
Exhibit C Engineer's Pre-Design Estimate of Probable Cost
Truth in Negotiations Certification



GREATER ORLANDO AVIATION AUTHORITY

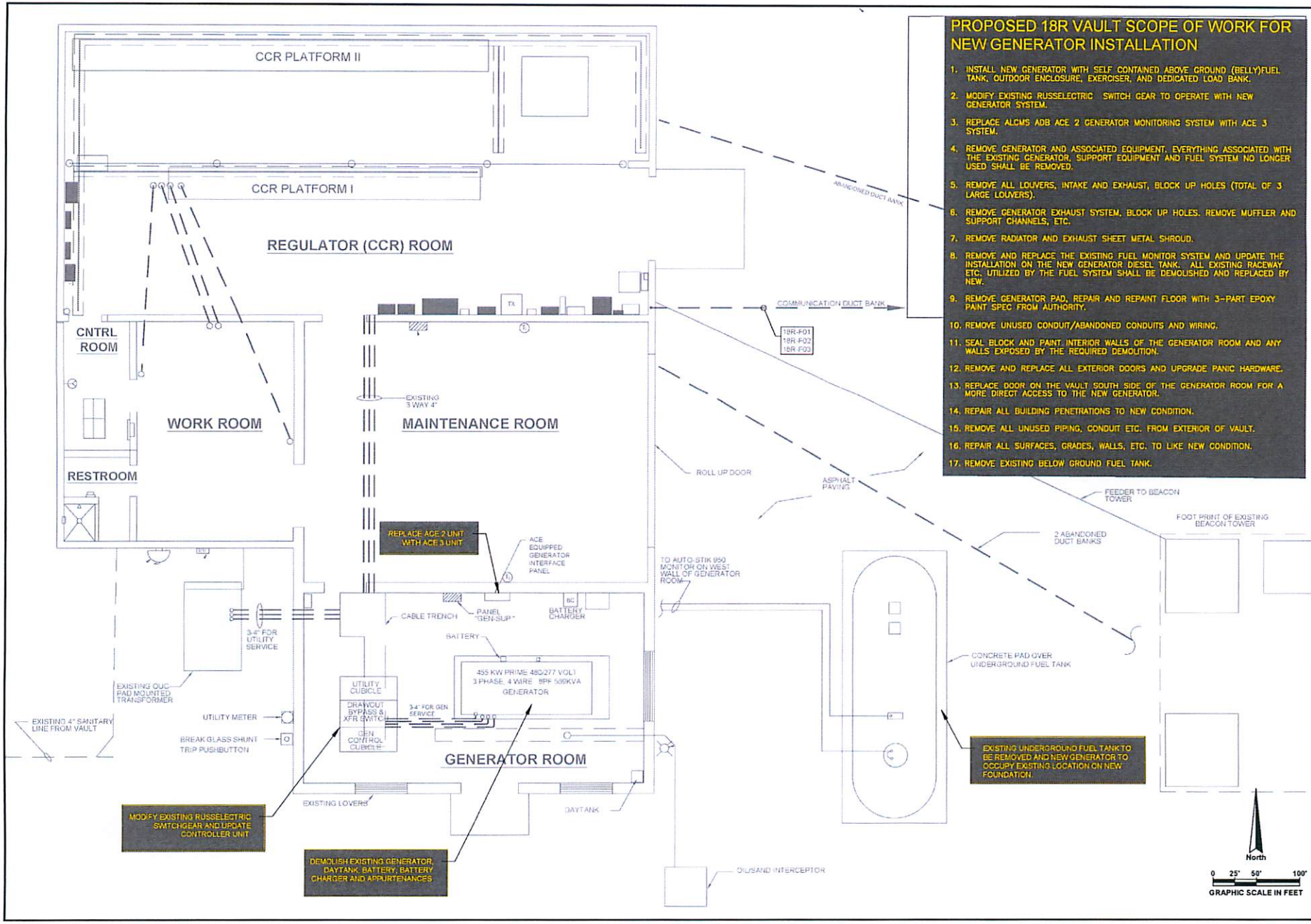
AVCON

ORLANDO INTERNATIONAL AIRPORT
GREATER ORLANDO AVIATION AUTHORITY
ORLANDO, FLORIDA

WEST AIRFIELD LIGHTING IMPROVEMENTS

DRAWING TITLE
OVERALL CIRCUIT REPLACEMENT MAP

SHEET NUMBER
EX-01



PROPOSED 18R VAULT SCOPE OF WORK FOR NEW GENERATOR INSTALLATION

1. INSTALL NEW GENERATOR WITH SELF CONTAINED ABOVE GROUND (BELLY)FUEL TANK, OUTDOOR ENCLOSURE, EXERCISER, AND DEDICATED LOAD BANK.
2. MODIFY EXISTING RUSSELECTRIC SWITCH GEAR TO OPERATE WITH NEW GENERATOR SYSTEM.
3. REPLACE ALCMS ADB ACE 2 GENERATOR MONITORING SYSTEM WITH ACE 3 SYSTEM.
4. REMOVE GENERATOR AND ASSOCIATED EQUIPMENT. EVERYTHING ASSOCIATED WITH THE EXISTING GENERATOR, SUPPORT EQUIPMENT AND FUEL SYSTEM NO LONGER USED SHALL BE REMOVED.
5. REMOVE ALL LOUVERS, INTAKE AND EXHAUST, BLOCK UP HOLES (TOTAL OF 3 LARGE LOUVERS).
6. REMOVE GENERATOR EXHAUST SYSTEM, BLOCK UP HOLES. REMOVE MUFFLER AND SUPPORT CHANNELS, ETC.
7. REMOVE RADIATOR AND EXHAUST SHEET METAL SHROUD.
8. REMOVE AND REPLACE THE EXISTING FUEL MONITOR SYSTEM AND UPDATE THE INSTALLATION ON THE NEW GENERATOR DIESEL TANK. ALL EXISTING RACEWAY ETC. UTILIZED BY THE FUEL SYSTEM SHALL BE DEMOLISHED AND REPLACED BY NEW.
9. REMOVE GENERATOR PAD, REPAIR AND REPAINT FLOOR WITH 3-PART EPOXY PAINT SPEC FROM AUTHORITY.
10. REMOVE UNUSED CONDUIT/ABANDONED CONDUITS AND WIRING.
11. SEAL BLOCK AND PAINT INTERIOR WALLS OF THE GENERATOR ROOM AND ANY WALLS EXPOSED BY THE REQUIRED DEMOLITION.
12. REMOVE AND REPLACE ALL EXTERIOR DOORS AND UPGRADE PANIC HARDWARE.
13. REPLACE DOOR ON THE VAULT SOUTH SIDE OF THE GENERATOR ROOM FOR A MORE DIRECT ACCESS TO THE NEW GENERATOR.
14. REPAIR ALL BUILDING PENETRATIONS TO NEW CONDITION.
15. REMOVE ALL UNUSED PIPING, CONDUIT ETC. FROM EXTERIOR OF VAULT.
16. REPAIR ALL SURFACES, GRADES, WALLS, ETC. TO LIKE NEW CONDITION.
17. REMOVE EXISTING BELOW GROUND FUEL TANK.

GREATER ORLANDO AVIATION AUTHORITY

AVCON

ORLANDO INTERNATIONAL AIRPORT
GREATER ORLANDO AVIATION AUTHORITY
ORLANDO, FLORIDA

WEST AIRFIELD LIGHTING IMPROVEMENTS

DRAWING TITLE
18R VAULT GENERATOR REPLACEMENT

SHEET NUMBER
EX-02

GREATER ORLANDO AVIATION AUTHORITY

AVCON

ORLANDO INTERNATIONAL AIRPORT
GREATER ORLANDO AVIATION AUTHORITY
ORLANDO, FLORIDA

WEST AIRFIELD LIGHTING IMPROVEMENTS

DRAWING TITLE

ALCMS FIBER OPTIC CABLE REPLACEMENT

SHEET NUMBER

EX-03

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:	$19,808.00	$47,996.00	$126,746.00	$67,310.00	$25,269.00	$287,129.00	$0.00	$7,709.00	**$294,838.00**
2.0 Not to Exceed Reimbursable Fee:	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**
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:	**$19,808.00**	**$47,996.00**	**$126,746.00**	**$67,310.00**	**$25,269.00**	**$287,129.00**	**$0.00**	**$7,709.00**	**$294,838.00**

Total Lump Sum Labor Hours:	170	436	1,208	602	221	2637	0	67	2,704
Total Not to Exceed Reimbursable Labor Hours:	0	0	0	0	0	0	0	0	0
TOTAL LABOR HOURS:	170	436	1,208	602	221	2637	0	67	2,704
Average Hourly Rate:	$116.52	$110.08	$104.92	$111.81	$114.34	$108.88	#DIV/0!	$115.06	$109.04

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-2
SUMMARY OF LUMP SUM FEES

Phase of Project	Preliminary Design		Schematic (30%)		Development (60%)		Const. Docs. (95%)		Bidding & Award		Const. Admin.		Record Documents		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Consultant																	
Lump Sum Fee Subtotal	170	$19,808	436	$47,996	1,208	$126,746	602	$67,310	221	$25,269	0	$0	67	$7,709	2704	$294,838.00	$109.04
Subconsultant No. 1																	
Lump Sum Fee Subtotal															0	$0.00	#DIV/0!
Subconsultant No. 2																	
Lump Sum Fee Subtotal															0	$0.00	#DIV/0!
Subconsultant No. 3																	
Lump Sum Fee Subtotal															0	$0.00	#DIV/0!
Subconsultant No. 4																	
Lump Sum Fee Subtotal															0	$0.00	#DIV/0!
Subconsultant No. 5																	
Lump Sum Fee Subtotal															0	$0.00	#DIV/0!
Total Lump Sum Amount:	170	$ 19,808.00	436	$ 47,996.00	1,208	$ 126,746.00	602	$ 67,310.00	221	$ 25,269.00	0	$ -	67	$ 7,709.00	2,704	$ 294,838.00	$109.04

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

Position:	QA REVIEWER		PROJECT MANAGER		SR. ENGINEER / DESIGNER		PROJECT ENGINEER / DESIGNER		SR. CADD DESIGNER		CONTRACT ADMINISTRATOR		TOTAL		
Rate ($/Hour):	$244		$185		$142		$108		$100		$91				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	2	$370	8	$1,136	32	$3,456	0	$0	0	$0	42	$4,962	$118
Verification of Existing Conditions (Site Visits)	0	$0	4	$740	24	$3,408	24	$2,592	0	$0	0	$0	52	$6,740	$130
Project Setup and Work Plan	0	$0	2	$370	4	$568	8	$864	32	$3,200	4	$364	50	$5,366	$107
Preliminary Engineering Report	0	$0	0	$0	2	$284	16	$1,728	0	$0	8	$728	26	$2,740	$105
	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
	0	$0	0	$0	0	$0	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**	**8**	**$1,480**	**38**	**$5,396**	**80**	**$8,640**	**32**	**$3,200**	**12**	**$1,092**	**170**	**$19,808**	**$117**
Schematic Design (30%)															
Prepare Preliminary Design Elements	0	$0	0	$0	32	$4,544	100	$10,800	0	$0	0	$0	132	$15,344	$116
Prepare Preliminary Drawings	0	$0	0	$0	0	$0	24	$2,592	240	$24,000	0	$0	264	$26,592	$101
Prepare Preliminary Specifications Table of Contents	0	$0	0	$0	2	$284	2	$216	0	$0	4	$364	8	$864	$108
Update/Reconcile Opinion of Probable Const. Cost	0	$0	0	$0	4	$568	8	$864	0	$0	0	$0	12	$1,432	$119
QA/QC of Document Package	4	$976	8	$1,480	0	$0	0	$0	0	$0	0	$0	12	$2,456	$205
Design Review Meeting		$0	4	$740	4	$568		$0		$0		$0	8	$1,308	$164
		$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%)	**4**	**$976**	**12**	**$2,220**	**42**	**$5,964**	**134**	**$14,472**	**240**	**$24,000**	**4**	**$364**	**436**	**$47,996**	**$110**
Design Development (60%)															
Develop Design Elements	0	$0	10	$1,850	40	$5,680	120	$12,960	0	$0	0	$0	170	$20,490	$121
Develop Drawings	0	$0	0	$0	0	$0	0	$0	800	$80,000	0	$0	800	$80,000	$100
Develop Specifications	0	$0	0	$0	0	$0	24	$2,592	0	$0	40	$3,640	64	$6,232	$97
Create Front end Drawings (Hual Route, Safety, Security, etc.)	0	$0	0	$0	4	$568	8	$864	24	$2,400	0	$0	36	$3,832	$106
Create Phasing and Barricades plans	0	$0	0	$0	4	$568	16	$1,728	40	$4,000	0	$0	60	$6,296	$105
Prepare CSPP Documents	0	$0	0	$0	4	$568	20	$2,160	8	$800	8	$728	40	$4,256	$106
Update Engineers Report	0	$0	0	$0	2	$284	8	$864	0	$0	8	$728	18	$1,876	$104
Update/Reconcile Opinion of Probable Const. Cost	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
Complete Construction Documents for Design Review Submittal	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
QA/QC of Document Package	4	$976	8	$1,480		$0		$0		$0		$0	12	$2,456	$205
Design Review Meeting	0	$0	4	$740	4	$568		$0		$0		$0	8	$1,308	$164
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Design Development (60%)	**4**	**$976**	**22**	**$4,070**	**58**	**$8,236**	**196**	**$21,168**	**872**	**$87,200**	**56**	**$5,096**	**1,208**	**$126,746**	**$105**
Construction Documents (95%)															
Complete Design Elements	0	$0	10	$1,850	40	$5,680	160	$17,280	0	$0	0	$0	210	$24,810	$118
Complete Final Drawings	0	$0	0	$0	0	$0	4	$432	200	$20,000	0	$0	204	$20,432	$100
Complete Specifications	0	$0	0	$0	0	$0	16	$1,728	0	$0	16	$1,456	32	$3,184	$100
Complete Front end Drawings (Hual Route, Safety, Security, etc.)	0	$0	0	$0	2	$284	4	$432	16	$1,600	0	$0	22	$2,316	$105
Complete Phasing and Barricades plans	0	$0	0	$0	2	$284	8	$864	16	$1,600	4	$364	30	$3,112	$104
Complete CSPP Documents	0	$0	0	$0	0	$0	8	$864	8	$800	16	$1,456	32	$3,120	$98
Complete Engineers Report	0	$0	0	$0	4	$568	8	$864	0	$0	16	$1,456	28	$2,888	$103
Complete/Reconcile Opinion of Probable Const. Cost	0	$0	0	$0	0	$0	8	$864	0	$0	4	$364	12	$1,228	$102
Complete Construction Documents for Design Review Submittal	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	#DIV/0!
QA/QC of Document Package	8	$1,952	16	$2,960		$0		$0		$0		$0	24	$4,912	$205
Design Review Meeting	0	$0	4	$740	4	$568		$0		$0		$0	8	$1,308	$164
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Construction Documents (95%)	**8**	**$1,952**	**30**	**$5,550**	**52**	**$7,384**	**216**	**$23,328**	**240**	**$24,000**	**56**	**$5,096**	**602**	**$67,310**	**$112**

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

Position:	QA REVIEWER		PROJECT MANAGER		SR. ENGINEER / DESIGNER		PROJECT ENGINEER / DESIGNER		SR. CADD DESIGNER		CONTRACT ADMINISTRATOR		TOTAL		
Rate ($/Hour):	$244		$185		$142		$108		$100		$91				
	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	8	$1,136	24	$2,592	40	$4,000	0	$0	72	$7,728	$107
QA/QC of Document Package	4	$976	8	$1,480	0	$0	0	$0	0	$0	0	$0	12	$2,456	$205
Prepare/Reproduce/Distribute 100% Documents	0	$0	0	$0	0	$0	8	$864	8	$800	16	$1,456	32	$3,120	$98
Answer Bidders Questions	0	$0	1	$185	1	$142	16	$1,728	16	$1,600	4	$364	38	$4,019	$106
Prepare/Reproduce/Distribute Bid Addenda	0	$0	0	$0	0	$0	8	$864	16	$1,600	8	$728	32	$3,192	$100
Attend/Minute Pre-Bid Meeting	0	$0	4	$740	4	$568	4	$432	0	$0	0	$0	12	$1,740	$145
Attend/Minute Bid Opening	0	$0	2	$370	2	$284	2	$216	0	$0	0	$0	6	$870	$145
Prepare Bid Tabulation/Recommendation	1	$244	4	$740	0	$0	4	$432	0	$0	8	$728	17	$2,144	$126
		$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	**5**	**$1,220**	**19**	**$3,515**	**15**	**$2,130**	**66**	**$7,128**	**80**	**$8,000**	**36**	**$3,276**	**221**	**$25,269**	**$114**
Closeout															
Prepare Record Drawings/Documents	0	$0	0	$0	2	$284	8	$864	40	$4,000	0	$0	50	$5,148	$103
Review O & Manual(s)	0	$0	1	$185	2	$284	8	$864	0	$0	0	$0	11	$1,333	$121
QA/QC of Document Package	2	$488	4	$740	0	$0	0	$0	0	$0	0	$0	6	$1,228	$205
		$0		$0		$0		$0		$0		$0	0	$0	#DIV/0!
Sub-Total Closeout	**2**	**$488**	**5**	**$925**	**4**	**$568**	**16**	**$1,728**	**40**	**$4,000**	**0**	**$0**	**67**	**$7,709**	**$115**
TOTAL LUMP SUM FEE:	**23**	**$5,612**	**96**	**$17,760**	**209**	**$29,678**	**708**	**$76,464**	**1504**	**$150,400**	**164**	**$14,924**	**2,704**	**$294,838**	**$109**

NOTES:

1. A separate spreadsheet is required for each consultant/subconsultant with any portion of it's services to be compensated on a lump sum basis.
2. Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-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
AVCON (2022)	PRINCIPAL	$ 244.00
AVCON (2022)	QA REVIEWER	$ 244.00
AVCON (2022)	SR. PROJECT MANAGER	$ 216.00
AVCON (2022)	PROJECT MANAGER	$ 185.00
AVCON (2022)	SR. ENGINEER / DESIGNER	$ 142.00
AVCON (2022)	SR. CONSTRUCTION MANAGER	$ 135.00
AVCON (2022)	PROJECT ENGINEER / DESIGNER	$ 108.00
AVCON (2022)	ENGINEER / DESIGNER	$ 90.00
AVCON (2022)	SR. CADD DESIGNER	$ 100.00
AVCON (2022)	CONSTRUCTION INSPECTOR	$ 98.00
AVCON (2022)	CONTRACT ADMINISTRATOR	$ 91.00
AVCON (2022)	CADD TECHNICIAN	$ 75.00
AVCON (2022)	ADMINISTRATIVE	$ 62.00

AVCON, INC.
Engineers & Planners

5555 E. Michigan St., Suite 200
Orlando, Florida 32822
Phone: (407) 599-1122
Fax: (407) 599-1133
www.avconinc.com

April 11, 2022

Mr. Tuan Nguyen, P.E.
Manage of Engineering
Greater Orlando Aviation Authority
11314 Terminal C Access Road
Orlando, Florida 32824

Reference: **Design Services**
West Airfield Electrical Upgrades – Phase 1
Orlando International Airport

Dear Mr. Nguyen:

TRUTH IN NEGOTIATION CERTIFICATION

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Greater Orlando Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Greater Orlando Aviation Authority, whichever is later.

Certified:

AVCON, INC.

James A. Kriss, P.E.
Sr. Vice President

Date: April 11, 2022

HANDOUT
5/3/2022 CCM
Item 13
OSBD Memo

MEMORANDUM

To: Members of the Construction Committee

From: Edelis Molina, Sr. Small Business Administrator

Date: May 03, 2022

Re: Request for Recommendation of Approval of an Addendum to the Continuing Civil Engineering Consultant Services Agreement with AVCON, Inc. for Design, Bid and Award Services for E-00280, West Airfield Electrical Upgrades, Orlando International Airport

The Small Business Development Department has reviewed qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the specialized scope of the design services for airfield electrical upgrades, AVCON, Inc. does not propose small business participation on this Addendum.

Our analysis indicates that AVCON, Inc. is eligible for award of the subject Addendum.

GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827-4392

MEMORANDUM

TO: Members of the Aviation Authority

FROM: Davin D. Ruohomaki, Chair, Construction Committee

DATE: May 18, 2022

ITEM DESCRIPTION

Recommendation of the Construction Committee to Approve an Addendum to the Continuing Civil Engineering Consulting Services Agreement with Avcon, Inc. for Design, Bid and Award Services for Project E-00280, West Airfield Electrical Upgrades, at the Orlando International Airport

BACKGROUND

In 2018, the firms providing Continuing Civil Engineering Consulting Services were selected through a competitive award process. The continuing civil engineering consulting services will be for projects with a contract amount that does not exceed $4 million, in accordance with Aviation Authority policies.

On April 18, 2018, the Aviation Authority Board approved continuing civil engineering consulting services agreements with the following firms:

- AECOM Technical Services, Inc.
- American Infrastructure Development, Inc.
- Avcon, Inc. *(MWBE)*
- Stantec Consulting Services, Inc.

The scope of work to be performed under these continuing civil engineering consulting services agreements includes, but is not limited to, the performance of civil engineering and related professional services, such as civil, traffic, environmental, structural design; landscape and irrigation design; utilities and infrastructure design; airfield design; roadway design; surveying; cost estimating; scheduling; geotechnical services and all other related services. The services may also include studies and preparation of reports involving scope definition and validation of projects, evaluation and documentation of existing conditions; design, bid-procurement and award, design-build, 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.

ISSUES

The scope of E-00280 may include, but is not limited to, rehabilitation of the Taxiway F centerline circuits, replacement of the diesel generator at the Runway 18R-36L airfield lighting vault, lighting improvements of Taxiways E and F, Airside 3 apron lighting improvements, replacement of the fiber optic cables, and replacement of one or more regulators for the Runway 18R-36L airfield lighting vault.

A fee has been negotiated with Avcon, Inc. for a total amount of $294,838, to provide design, bid and award services for E-00280, West Airfield Electrical Upgrades, at the Orlando International Airport. The scope of services includes, but is not limited to, project surveys, geotechnical/site investigations, utility verification, evaluation of potential impacts to aircraft flow during construction and runway closure, project design, preparation of bid documents (i.e., 50%, 90% and 100%), cost estimates, permitting documents, engineer's report, construction safety and phasing plan, project schedule, and as-built research; distribution and administration of bid documents including bid addenda, if any; providing assistance during advertisement, bid and award phase, to include conducting the pre-bid conference and site visit; bid review, bid analysis and bid tabulation; qualifications review; and preparation of contract and conformed documents.

Avcon, Inc. is currently a certified Minority and Women Business Enterprise (MWBE) firm. Avcon, Inc. was previously certified as a Disadvantaged Business Enterprise (DBE), and has successfully graduated from this certification. The Aviation Authority has reviewed the proposed scope of services and determined that, due to the specialized scope of the design services for airfield electrical upgrades, these services do not afford any Disadvantaged Business Enterprise (DBE) participation at this time. Avcon, Inc. is committed to the Aviation Authority's Small Business Participation Program and will actively reach out to qualified small business firms to foster potential small business participation on this assignment.

On May 3, 2022, the Construction Committee recommended approval of an Addendum to the Continuing Civil Engineering Consulting Services Agreement with Avcon, Inc. for Design, Bid and Award Services for E-00280, West Airfield Electrical Upgrades, at the Orlando International Airport, as outlined in the memorandum.

ALTERNATIVES

None.

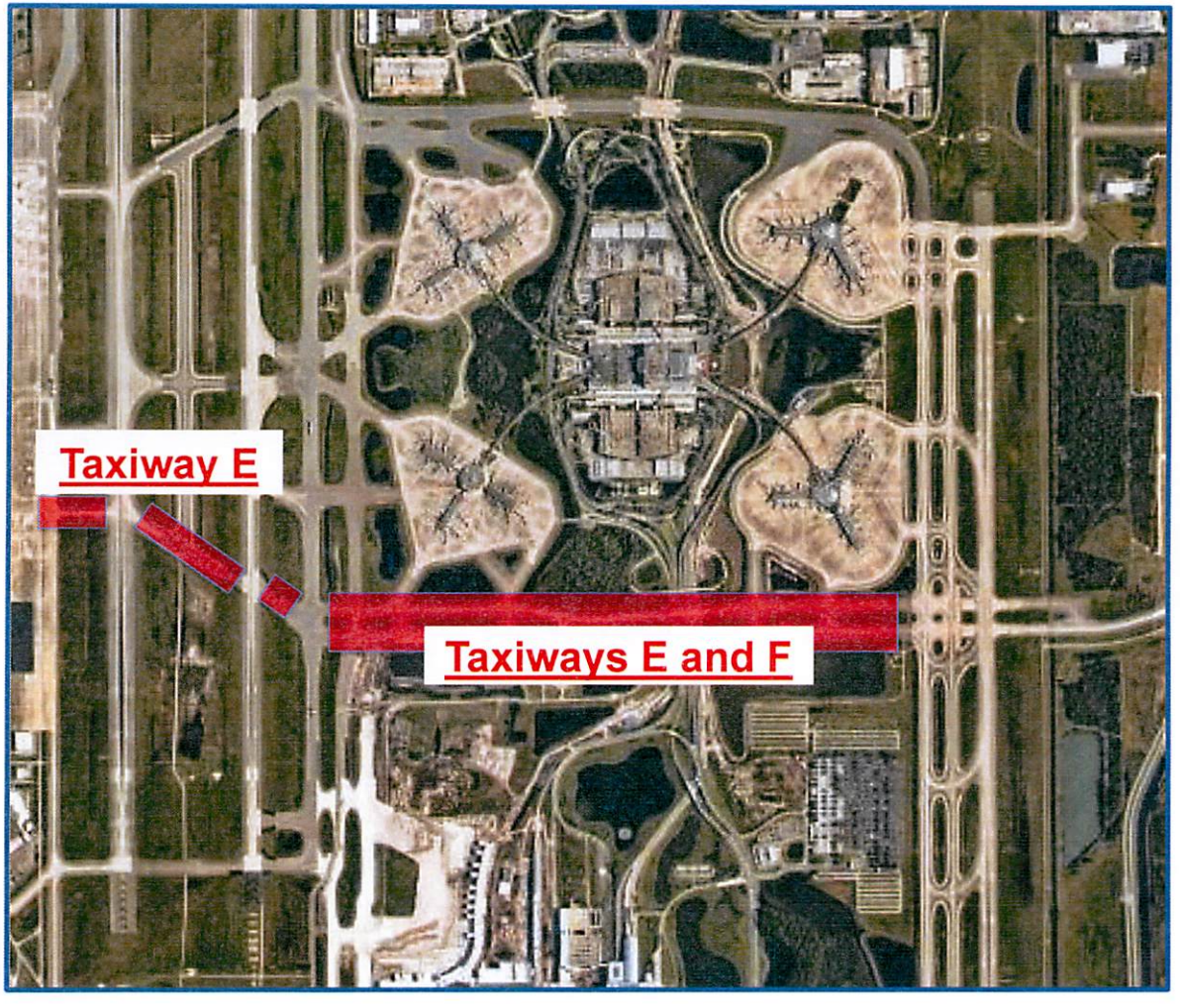
FISCAL IMPACT

The fiscal impact is $294,838. Funding is from previously-approved Capital Expenditure Funds.

RECOMMENDED ACTION

It is respectfully requested that the Aviation Authority Board resolve to accept the recommendation of the Construction Committee and approve an Addendum to Continuing Civil Engineering Consulting Services Agreement with Avcon, Inc. for Design, Bid and Award Services for Project E-00280, West Airfield Electrical Upgrades, at the Orlando International Airport, for the total lump sum fee amount of $294,838, with funding from previously-approved Capital Expenditure Funds; and, authorize an Aviation Authority Officer or the Chief Executive Officer to execute the necessary documents following satisfactory review by legal counsel.

E280 SITE MAP



REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONTINUING CIVIL ENGINEERING CONSULTANT SERVICES AGREEMENT WITH AVCON, INC. FOR DESIGN, BID AND AWARD SERVICES FOR E-00280, WEST AIRFIELD ELECTRICAL UPGRADES, AT THE ORLANDO INTERNATIONAL AIRPORT.

17. *[Agenda Item No. 13.] [A handout was presented, which includes an Office of Small Business Development Participation Memorandum.]* Mr. Sorondo presented the memorandum, dated May 3, 2022. Discussion ensued.

Upon motion of Mr. Pelletier, second by Ms. Sharman, vote carried to recommend to the Aviation Authority Board approval of an Addendum to the Continuing Civil Engineering Consultant Services Agreement with Avcon, Inc. for the Design, Bid and Award Services for E-00280, for the total lump sum amount of $294,838.00, with funding from previously-approved Capital Expenditures Funds.

REQUEST FOR RECOMMENDATION OF APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING HORIZONTAL CONSTRUCTION SERVICES AGREEMENT WITH VALENCIA CONSTRUCTION GROUP FOR H-00348, DIG EAST-WEST LEG OF J-HOOK, AT THE ORLANDO INTERNATIONAL AIRPORT.

18. *[Agenda Item No. 14.] [A handout was presented, which includes a revised memorandum and an Office of Small Business Development participation memorandum.]* Mr. Sorondo presented the memorandum, dated May 3, 2022. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Pelletier, vote carried to recommend to the Aviation Authority Board approval of a Job Order Construction Services Addendum to the Continuing Horizontal Construction Services Agreement with Valencia Construction Group for H-00348, Dig East-West Leg of J-Hook, for the total lump sum amount of $1,052,469.68, with funding from previously-approved Operation and Maintenance Funds.

REQUEST FOR RECOMMENDATION OF APPROVAL OF A JOB ORDER CONSTRUCTION SERVICES ADDENDUM TO THE CONTINUING HORIZONTAL CONSTRUCTION SERVICES AGREEMENT WITH CARR & COLLIER, INC. FOR H-00349, JFB AT HEINTZELMAN DRAINAGE IMPROVEMENTS, AT THE ORLANDO INTERNATIONAL AIRPORT.

19. *[Agenda Item No. 15.] [A handout was presented, which includes a revised memorandum.]* Mr. Sorondo presented the memorandum, dated May 3, 2022. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Pelletier, vote carried to recommend to the Aviation Authority Board approval of a Job Order Construction Services Addendum to the Continuing Horizontal Construction Services Agreement with Carr & Collier, Inc. for H-00349, JFB at Heintzelman Drainage Improvements, for the total lump sum amount of $820,403.91, with funding from previously-approved Operation and Maintenance Funds.

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING BUILDING ENVELOPE CONSULTING SERVICES AGREEMENT WITH GALE ASSOCIATES, INC. TO PROVIDE ROOF INSPECTION SERVICES FOR W-00454, 2022 ROOF ASSESSMENT – GALE, AT THE ORLANDO INTERNATIONAL AIRPORT.

20. *[Agenda Item No. 16.] [A handout was presented, which includes a revised memorandum.]* Mr. Sorondo presented the memorandum, dated May 3, 2022. Agenda Item Nos. 16, 17, and 18 were considered in one motion. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Pelletier, vote carried to approve an Addendum to the Continuing Building Envelope Consulting Services Agreement with Gale Associates, Inc. to Provide Roof Inspection Services for W-00454, 2022 Roof Assessment – Gale, for the total amount of $143,557.00, which includes the lump sum amount of $135,127.00 and the total not-to-exceed amount of $8,450.00, with funding from previously-approved Operation and Maintenance Funds.

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING BUILDING ENVELOPE CONSULTING SERVICES AGREEMENT WITH A/R/C ASSOCIATES, INC. TO PROVIDE ROOF INSPECTION SERVICES FOR W-00455, 2022 ROOF ASSESSMENT – ARC, AT THE ORLANDO INTERNATIONAL AIRPORT.

21. *[Agenda Item No. 17.]* Mr. Sorondo presented the memorandum, dated May 3, 2022. Agenda Item Nos. 16, 17, and 18 were considered in one motion. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Pelletier, vote carried to approve an Addendum to the Continuing Building Envelope Consulting Services Agreement with A/R/C Associates, Inc. to Provide Roof Inspection Services for W-00455, 2022 Roof Assessment – ARC, for the total amount of $105,080.00, which includes the lump sum