

**ADDENDUM NO. 18
TO THE AGREEMENT DATED APRIL 18, 2023
BETWEEN GREATER ORLANDO AVIATION AUTHORITY
AND AVCON, INC.**

Project: Design and Bid Phase Services for H-382 Runway 36L Improvements for FAA Proposed ILS and ALSF Systems, Orlando International Airport

THIS ADDENDUM is effective this 22nd day of October, 2024, by and between the **GREATER ORLANDO AVIATION AUTHORITY** ("Aviation Authority"), and **AVCON, INC.** ("Consultant").

WITNESSETH:

WHEREAS, by Agreement dated April 18, 2023, Aviation Authority and Consultant entered into an agreement for Consultant to provide Continuing Civil Engineering Consulting Services; and

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

WHEREAS, the Aviation 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 Aviation 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 **NOT TO EXCEED amount of TWO HUNDRED FORTY-EIGHT THOUSAND NINE HUNDRED NINETY AND NO/100 DOLLARS (\$248,990.00)**, broken down as follows:

Professional Fees:	NTE:	\$239,960.00
Professional Fees:	LS:	\$0.00
Reimbursable Expenses:	NTE:	<u>\$9,030.00</u>
Total:		\$248,990.00

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. Aviation 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, Aviation 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 18, 2023 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 day of Oct 24, 2024.

GREATER ORLANDO AVIATION AUTHORITY

Approved as to Form and Legality
(for the benefit of GOAA only)
this day of Oct 24, 2024

Claramargaret H. Groover

By: box SIGN 47R2R2V8-19K2L76W
Becker & Poliakoff, Legal Counsel
Greater Orlando Aviation Authority

By:

box SIGN

4W88Q9ZJ-19K2L76W

Max Marble
Sr. Vice President, Capital Programs

AVCON, INC.

By:

box SIGN

4W8779J8-19K2L76W

Signature (Duly Authorized Rep.)

Sandeep Singh

Printed Name

President

Title

NONGOVERNMENTAL ENTITY DECLARATION REGARDING THE USE OF COERCION FOR
LABOR AND SERVICES

Nongovernmental Entity's Name: Avcon, Inc.

Nongovernmental Entity's FEIN: 59-2890463

Authorized Officer or Representative Name and Title: Sandeep Singh, President

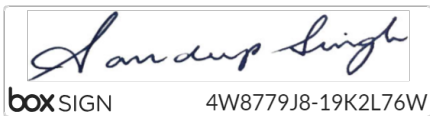
Nongovernmental Entity's Address: 5555 E. Michigan St. Orlando, FL 32822

Section 787.06(13), Florida Statutes, requires all nongovernmental entities executing, renewing, or extending a contract with a governmental entity, as defined in section 287.138(1), Florida Statutes, to provide an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury that the nongovernmental entity does not use coercion for labor or services as defined in that statute. The Greater Orlando Aviation Authority is a governmental entity as defined by and for purposes of section 787.06(13).

The nongovernmental entity identified above does not, pursuant to section 787.06(2)(a):

- Use or threaten to use physical force against any person;
- Restrain, isolate, or confine, or threaten to restrain, isolate, or confine any person without lawful authority and against her or his will;
- Use lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;
- Destroy, conceal, remove, confiscate, withhold, or possess any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
- Cause or threaten to cause financial harm to any person;
- Entice or lure any person by fraud or deceit; or
- Provide a controlled substance as outlined in Schedule I or Schedule II of section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person.

Under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

By: 
box SIGN 4W8779J8-19K2L76W

Authorized Officer or Representative

President

Name and Title

Oct 24, 2024

Date



MEMORANDUM

TO: Members of the Construction Committee

FROM: Tuan Nguyen, Assistant Vice President of Engineering

DATE: October 22, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Civil Engineering Services Agreement with Avcon, Inc. for Design and Bid Phase Services for H-00382 MCO Runway 36L Improvements for FAA Proposed ILS and ALSF Systems Project at the Orlando International Airport.

BACKGROUND

On March 15th, 2023, the Aviation Authority Board approved an agreement with Avcon, Inc. for Continuing Civil Engineering Services at the Orlando International Airport, Orlando Executive Airport, and Other Facilities operated by the Greater Orlando Aviation Authority.

ISSUES

The consultant's proposal, dated October 16, 2024, is to provide Design and Bid Phase Services for a construction project that includes Touchdown Zone Lights, new signage, new markings, clearing/removing/relocating obstructions, and all other work associated with preparing the work area for the FAA to install the new CAT III ILS and ALSF at runway 36L.

If approved, services will be effective on the date of Construction Committee approval.

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

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

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

EXHIBIT A

CC
ITEM IV-B
10/22/2024

Funding is from the Line of Credit to be reimbursed by future General Airport Revenue Bonds (GARBS). Funding source verified by Melvin Martinez of Construction Finance on 10 / 17 / 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	\$239,960.00
Lump Sum Fees	\$0.00
Not to Exceed Expenses	\$9,030.00
TOTAL	\$248,990.00
AAC – Compliance Review Date	<u>S J</u> 10/16/24
AAC – Funding Eligibility Review Date	10/16/24



AVCON, INC.
Engineers & Planners

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

October 16, 2024

Mr. Tuan Nguyen, P.E.
Assistant Vice President - Engineering
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, Florida 32824

Attention: **Isadore Carrier, III, P.E.**
Design RPR

Reference: **Final Scope of Services and Fee Proposal**
Cat III Upgrade and ALSF Infrastructure
Airfield Lighting and Signage, Runway 36L
Orlando International Airport

Dear Tuan:

As a follow up to our discussions with the FAA on September 10, 2024, and subsequent discussions on the proposal format with the GOAA staff, AVCON has prepared the following updated scope and fee proposal to provide design and bid phase services for the project to construct the infrastructure for ILS systems and ALSF lighting to Upgrade Runway 36L to a CAT III runway at Orlando International Airport. The project requirements are intended to satisfy all of the Aviation Authority obligations necessary for the FAA to design and construct the actual ILS equipment and the ALSF system installations.

Based on discussions between the FAA and GOAA, a new CAT III ILS approach is being proposed for Runway 36L. The FAA will be responsible for planning, design, and construction of the new project in multiple project elements. The ALSF-2 equipment, shelters, and the design and installation of commercial power and fiber infrastructure to the various components is being procured in two elements based on project funding. Phase 1 will be the infrastructure element for FY 25. Phase 2 will provide for the equipment, LIR, related systems s being designed and bid separately. The initial procurement package is currently out for bids, due in December of 2024.

As part of its obligations to accommodate this work, GOAA will be responsible for the installation of Touch Down Zone (TDZ) lights, new signage & marking (identifying the ILS critical area), and clearing/obstruction removal/lighting of any obstructions within the Object Free Zone and approach surfaces for Runway 36L. The attached Scope Exhibit illustrates the various components of the work as reflected in the initial study and cost estimate dated September 23, 2021.

Based on this understanding of roles/responsibilities, AVCON will provide the regulatory AGIS survey of the approach areas and lighting profiles along with detailed design project. These scope items will then be evaluated to identify the final work and the anticipated costs for planning, design, and construction. The proposed scope items include:



1. All airfield improvements, new TDZ lights and associated regulator, cabling, vault modifications, added ILS hold signs and markings;
2. Formal obstruction survey for Runway 36L approach and ALSF light lane, along with the anticipated selective clearing and / or obstruction lighting (Brightline Rail facility, Conserv I plant facilities, etc.);
3. General coordination and integration with the FAA efforts and support; and
4. Final bidding documents and bidding phase support services for continuing contractor procurement of the GOAA Bid Package.

Scope of Services

Preliminary Design

1. Coordinate with Subconsultant to develop Scope of Services and Obtain Project Surveys for the project;
2. Request and obtain copies of most recent FAA ILS and ALSF Designs throughout;
3. Coordinate airfield badging for subconsultants or provide suitable airfield escort for surveys;
4. Coordinate with GOAA Operations for establishing field access, closures and related work to obtain data from the field;
5. Review survey deliverables and incorporate into the MCO master airfield base files for the project along with existing electrical atlas base sheets;
6. Assist in Preparation of Exhibits and Support for FAA;
7. Project Initiation/Coordination. Coordinate and attend a project initiation/kick-off meeting with GOAA and FAA staff and others as deemed appropriate. The meeting shall review the project scope and schedule and establish the preliminary design goals and methods;
8. Complete the review of record drawings, interface with FAA local staff, visit the site and conduct a field analysis of the existing conditions pertinent to the PROJECT;

60% Design Phase Services

1. Make 60% site visit with GOAA Electrical (and FAA staff) and verify final limits of work;
2. Make field site visit with GOAA Electrical staff (and FAA rep) to verify limits of work;
3. Compile plan sheets and details to define the work requirements, including special interface with FAA Design Standards
4. Compile technical specifications to define the work requirements, including special interface with FAA Design Standard Specifications for Grounding, etc.
5. Attend two (2) virtual coordination meetings with the FAA via TEAMS to organize and coordinate the FAA design requirements;
6. Compile a draft CSPP Document for the GOAA project;
7. Prepare Front End Sheets (Haul Route, Safety, Security, etc.)
8. Compile tabulation of bid items and quantities and prepare initial estimate of probable cost at 60% stage of the work;
9. Compile latest standard GOAA bid documents and front-end documents for continuing contractor bidding format;
10. Perform QA review of 60% documents and submit to FAA and Authority for review and comment.



11. Attend 60% Review Meeting with FAA and GOAA staff to obtain approval of the 60% documents
12. Update/Reconcile Opinion of Probable Const. Cost

95% Design Phase Services

1. Make final site visit with GOAA Electrical and FAA staff and verify final limits of work;
2. Complete all plan sheets, details and technical specifications to define the work requirements, including special interface with on-going construction by others;
3. Finalize the CSPP Document
4. Finalize Front End Sheets (Haul Route, Safety, Security, etc.)
5. Update tabulation of bid items and quantities and complete estimates of probable cost at 95% stage of the work;
6. Finalize the latest standard GOAA bid documents and front-end documents for the public bidding format;
7. Perform QA review of 95% documents and Submit to FAA and Authority for Final Review and Comment;
8. Attend 95% Review Meeting with FAA and GOAA Staff to obtain approval for issuance of bid documents; and
9. Update/Reconcile Opinion of Probable Const. Cost

Bidding and Procurement Phase Services

1. Complete the 100% plans and specs for use during bidding phase following 95% review;
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 of continuing contractor procurement documents;
3. Prepare for and attend one pre-bid conference in conjunction with the FAA, AUTHORITY staff and contractors 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. Upon receipt of bids, 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.

Separate detailed proposal from Woolpert for regulatory compliance surveys and airspace analysis is included at Exhibit A. Separate detailed proposal from Echo for topographic surveys for the design is included as Exhibit B.



Compensation:

The compensation is presented in the attached Exhibit C, Tables C1 through C9, which provide a detailed breakdown of labor, hourly rates, and average hourly rate for your consideration. AVCON proposes a **Not-to-Exceed Fee of two hundred thirty-nine thousand nine hundred sixty and no/100 dollars (\$239,960.00) and Not-to-Exceed Expenses of Nine thousand thirty and one dollars (\$9,030.00)**. Based on the specific nature of the work, we have incorporated 17.6% DBE participation for ground surveys provided by Echo UES, Inc.

Thank you for allowing AVCON to serve the Authority on this important project. 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.

A handwritten signature in blue ink that reads "James A. Kriss". The signature is fluid and cursive, with the first name "James" being more prominent than the last name "Kriss".

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

Enclosures

Exhibit A	Woolpert Airspace and Regulatory Compliance Surveys
Exhibit B	Echo Proposal – Topographical Surveys
Exhibit C	Project Sketch
Exhibit D	Fee Tables
Exhibit E	Truth in Negotiations

c: Mark Goodacre
Dan Nickols
Lee Nemer
Sandeep Singh



October 15, 2024

James A. Kriss, P.E
Senior Vice President 8
AVCON, INC.
5555 E. Michigan Street, Suite 200
Orlando, Florida 32822

RE: Proposal: Runway 18R/36L 18B Design Survey at Orlando International Airport (MCO), located in Orlando, Florida.

Dear Mr. Kriss:

We appreciate the opportunity to provide a proposal for supporting AVCON with geospatial services at the Orlando International Airport (MCO). The fee and bulleted list of scope functions is understood to be completed in accordance with the FAA Advisory Circulars 150/5300-16B, -17C change 1, -18B change 1, and the September 22, 2022, AGIS Policy Guidance, with further guidance from the FAA Southern Region (ASO) and the Office of Airports Safety and Standards (AAS) in Washington, D.C.

Project Understanding

Woolpert understands that the Orlando International Airport is planning a new ILS system with new PAPIs for the 36L approach to runway 18R/36L at MCO and the FAA requires a survey that meets the specifications of "Safety Critical Data Collection - Including Design Data" project type per FAA Advisory Circulars 150/5300-16B, -17C change 1, and -18B change 1, and the September 22, 2022, AGIS Policy Guidance. Woolpert proposes the submittal of the Design portion of an ADIP Design/As-built project for the submittal of Design data for the 18R/36L ILS. This project will include an Airport Airspace Analysis Survey (AAAS) of the proposed 18R/36 approaches (along with PAPI OCS/LSCS surfaces). For this phase, the team will only be submitting the design portion of a Design/As-built project. . The AAAS for this project will follow the standards for Vertically Guided Runway surveys.

The project for MCO will be focused around performing two main tasks:

- 1) Safety Critical data collection and Obstruction analysis for AC 150/5300-18B, Vertically Guided Approach Obstruction Identification Surfaces and PAPI OCS/LSCS surfaces for the proposed 18R/36L runway with ILS.

Woolpert, Inc.
3165 McCrory Place, Suite 115
Orlando, FL - 32803
407.591.5023

- ~~2) As built survey to determine the post construction ILS equipment coordinates and any other new or modified NAVAIDS for the Runway 18R/36L ILS project.~~
- ~~3) Create and submit an ADIP RAM Tool project to remove any trees cleared during the construction project.~~

Task 01 – Design Survey for AC 150/5300-18B, Vertically Guided Approach Obstruction Identification Surfaces for Proposed 18R/36L ILS Approaches.

- Assist the airport in initiating the AGIS project necessary for the completion of this project on the AGIS web portal.
 - Develop SOWs and plans as required.
 - A Safety Critical, Including Design Data project will be established for the airspace analysis component of this surveys.
- MCO does possess geodetic control marks published as PACS and SACS. Woolpert will use these stations for establishment of the Temporary Survey Marks (TSMs) if they are recovered and meet the required specifications.
- Establish photogrammetric control and collect stereo imagery covering the surface area defined by the Vertically Guided Runway standards (Attachment A).
 - Estimated 25 control points and 5 check points.
 - Collect imagery at an equivalent imagery scale of 1"=800', producing a pixel resolution of 0.5'.
 - Imagery Limits are defined by the obstruction surfaces specified in this scope.
 - All imagery will be collected with leaf-on conditions.
- Geo-referencing of aerial photography
- Runway critical point survey on all usable runways
- Runway profile survey on all usable runways
- Navigational aid inventory for NAVAIDs associated to the airport including the associated perpendicular points.
- Obstruction analysis for objects penetrating the proposed 36L PAPI OCS/LSCS surfaces for new PAPI installations.
 - Objects will be collected following the Object Density Selection Criteria in Section 2.7.1.6 of AC 150/5300-18B, change 1. Which calls for the lower obstacle within 100 feet of each other to be omitted within the first 10,000' of an approach and 500 feet outside of the first 10,000' of an approach.
 - PAPI OCS/LSCS surfaces will be truncated to the extent of the 18B' Vertically Guided surfaces (20,200' from the end of the runways).
- Development of new ortho-photography
 - Pixel resolution of 0.5-feet over limits shown in Attachment "B."

- Collect major landmark features within imagery coverage.
- Develop an AGIS compliant data file containing the safety critical data required to start instrument approach procedure development.
 - Runway 18R/36L Proposed ILS and PAPI installation.
- Develop the final report to be submitted to AGIS.
 - Imagery Acquisition Report
- It is assumed escort will be provided to Woolpert survey staff for airfield access.

Woolpert will utilize, from the 18B survey completed in 2014, the existing runway endpoints, profiles and NAVAIDS associated with all other runways in order to compute the Airport Reference Point, Airport Elevation and TDZEs.

~~Task 2 – As-built survey to determine the post construction runway end coordinates and any new or modified NAVAIDS for the 18R/36L ILS Installation.~~

- ~~• Establish photogrammetric control and collect stereo imagery covering the immediate airport vicinity, to capture as-built conditions (Attachment B).~~
 - ~~▪ Estimated 15 control points and 5 check points.~~
 - ~~▪ Collect imagery at an equivalent imagery scale of 1"=800', producing a pixel resolution of 0.5'.~~
 - ~~▪ Imagery Limits will be the immediate airport vicinity as depicted in Attachment B.~~
- ~~• Geo-referencing of aerial photography~~
- ~~• Runway critical point survey on the newly constructed runway 18R/36L ILS System~~
- ~~• Runway profile survey on 18R/36L~~
- ~~• Navigational aid inventory for new or modified NAVAIDS associated with the construction of the 18R/36L ILS System.~~
- ~~• Development of new ortho-photography~~
 - ~~▪ Pixel resolution of 0.5 feet over the immediate airport vicinity (Attachment B)~~
- ~~• Update the AGIS compliant data file containing the as-built safety critical data required to finalize instrument approach procedure development.~~
- ~~• Develop the final reports to AGIS.~~
 - ~~▪ Imagery Acquisition Report~~
 - ~~▪ Final Project Report~~

~~Task 3 – Create and submit RAM Tool project in ADIP.~~

- ~~• Create a new RAM Tool Project in ADIP.~~
- ~~• Locate obstacles that have been removed, lowered or otherwise mitigated.~~

- ~~Submit mitigated obstacles to the RAM Tool project to be removed from FAA obstacle database.~~

Deliverables

Woolpert will compile and submit the necessary plans, reports and data files to the FAA, NGS and/or NFDC in a format acceptable to those agencies and coordinate revisions if necessary. Woolpert will develop a digital file deliverable in the appropriate format to be uploaded to the Airports ADIP/AGIS (<https://adip.faa.gov/agis>). The data file will be delivered in AutoCAD Map 3D (.dwg) format. The digital deliverable will be provided to the airport, AVCON, and the FAA through the ADIP/AGIS website.

Deliverable Listing

1. Establishment of an ADIP/AGIS Project.
2. Statement of Work & Survey Work/Quality Control and Imagery Plan to AGIS.
3. Imagery Reports.
4. AGIS data files for submission of safety critical projects, based on design data.
5. ~~AGIS as-built data files for the completion of the Design/as-built project.~~
6. ~~Final Surveyor's Report to AGIS.~~
7. ~~Create RAM Tool project and remove mitigated obstacles from FAA Database.~~

Fee Estimate Breakdown

See attached C tables for details.

MCO Lump Sum Fee	
Task Description	Fee Estimate
Task 1 Design Survey 18R/36L Runway	
Project Management	\$5,972.00
Field Work	\$20,636.00
Data & Deliverables	\$13,685.00
Acquisition & Triangulation	\$8,864.00
Obstruction Analysis	\$18,009.00 \$18,076.00
Ortho Photo	\$16,692.00
Reimbursable Expenses (Design)	\$9,030.00
Sub Total Task 1	\$92,888.00 \$92,955.00
NTE Fee – Design Survey for MCO	\$92,888.00 \$92,955.00

Woolpert estimates the design portion of the project to take 6 months from the date of Imagery Acquisition to delivery of the design data file to the Airports GIS website.

Please don't hesitate to contact me to discuss any comments or questions you may have (407.591.5023).

Sincerely,

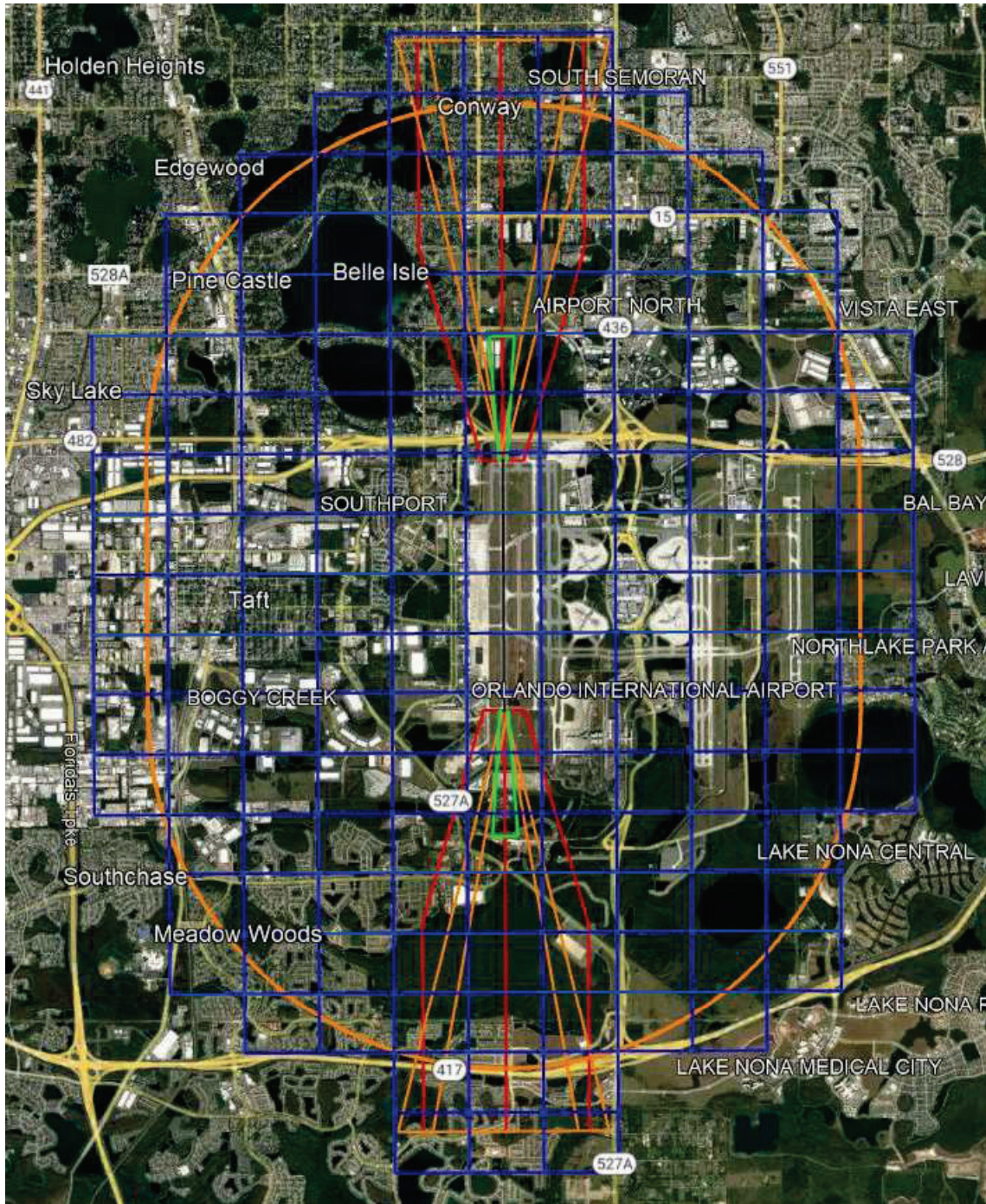


Woolpert, Inc.
Prateek Sharma, GISP
Aviation Project Manager

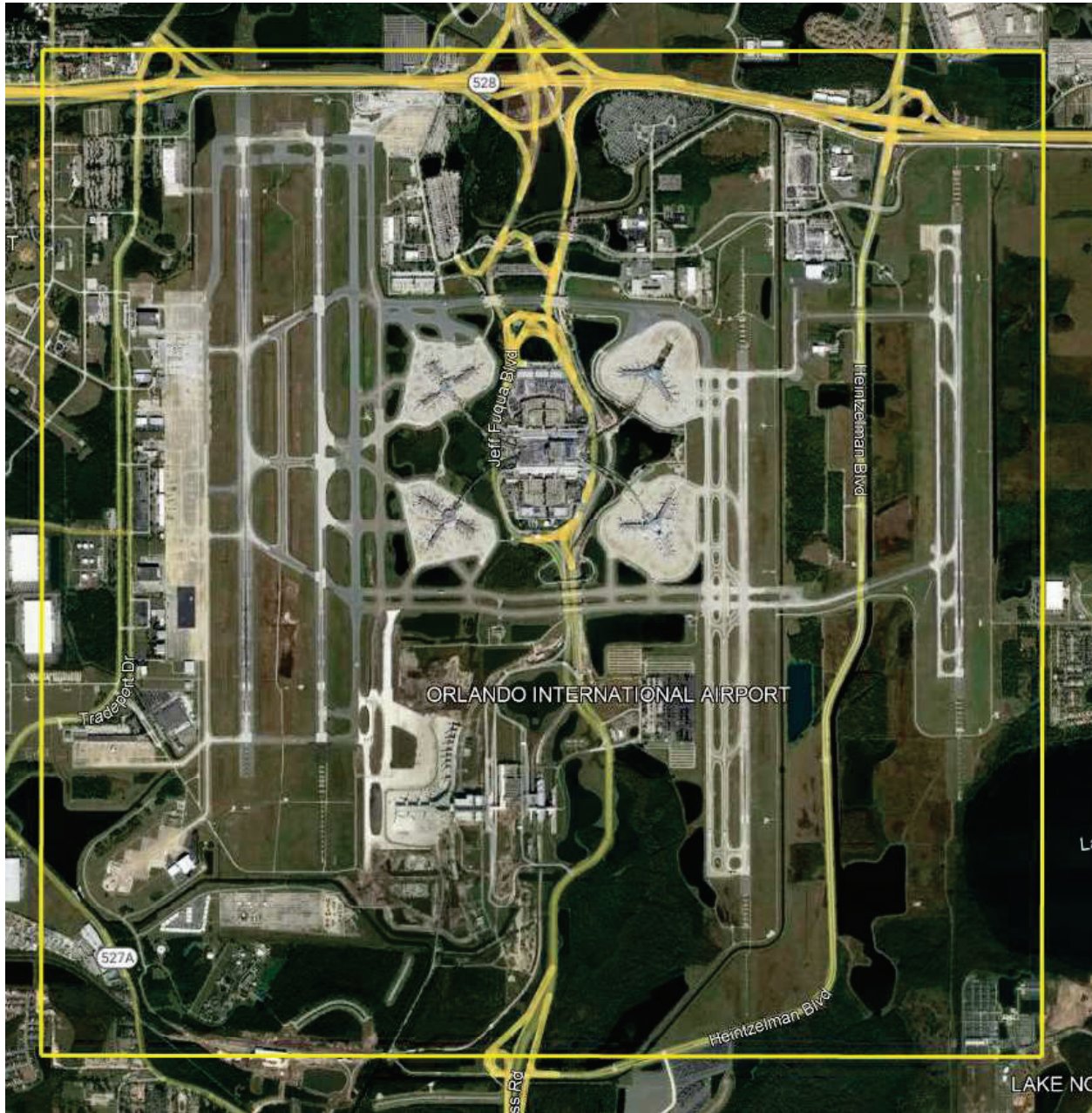


Woolpert, Inc.
Eric Risner, PS, PMP
Aviation Practice Leader
Vice President

Attachment A: Design Survey Imagery Limits



Attachment B: Ortho Imagery Limits



January 18, 2024

James A. Kriss, PE
Senior Vice President
AVCON, INC.

PROPOSAL FOR TOPOGRAPHICAL SURVEY and SUBSURFACE UTILITY ENGINEERING SERVICES

**Project: Ground Points and Supplemental Topographic Survey
Proposed CAT III ILS and ALSF Construction Runway 18R-36L,
Orlando International Airport**

Dear Mr. Kriss:

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 taxiway rehabilitation and associated improvements. ECHO's professional services were requested to provide a topographic survey and subsurface utility engineering services within the limits and as further described below and on the attached "Survey Scope of Services" letter provided by AVCON. A summary of the survey scope of services is herewith reported:

1. *For the south end ALSF light lane, we would need the centerline profile for the 2500 feet along with any topographic features. Do not need all grades there.*
- Clarification: no full survey/DTM, just C/L profile and AG features and improvements.**
2. *For the runway centerline, just the centerline profile for 1500-feet*
 3. *At the PAPI site, we need the 250' square parcel surrounding the existing PAPI equipment*
 4. *For the 36L Glideslope area, we need the 100' grid for the 500' x 1500' area*
 5. *For the RVR, we will need the 100' x 100' at 25' grid*

6. *For the 36L LOC (north end), would need the pavement edges, fence line, guard rail and elevations at 25' grid in the turf between the blast pad and the fence, and again at the 1000-foot light lane north of Bear Road.*

Project Limits: ECHO's proposed services will be performed within well-defined limits (i.e. Project Limits) as shown in the attached graphic representation. Please note that the yellow boxes on the map do not represent the survey limits, but rather the general locations. The ECHO project's survey limits cover approximately 91 acres, but as outlined in the attached "Survey Scope of Services" and brief scope summary, a full topo/DTM is not necessary across the entire project limits but it is requested only over approximately 31 acres.

Subsurface Utility Engineering (SUE) Services

Using a combination of field investigative techniques and technology, including surface geophysical instruments (e.g. GPR, pipe/cable locators) and vacuum excavation if needed, ECHO will perform the following services.

1. **Identification and marking of existing utilities.** Utilities potentially in conflict with the project and located within the project limits will be investigated in the attempt to identify their position. The results will be marked on the ground surface using the most appropriate method (i.e. pin flags, paint etc.) and showing the approximate position of the identified utilities.

ECHO will attempt to identify and mark detectable utilities located within sub portions of the project limits and as directed by the EOR. It is anticipated that these services be used for wet utilities design.

2. **Verification of utility location and characteristics. N/A.** At specific locations ECHO will attempt to expose utilities via minimally intrusive methods (e.g. use of vacuum excavation) to confirm their characteristics (e.g. type, size, material, direction, configuration) and provide an accurate location. At completion of each excavation (test hole) ECHO will record all verifiable utility information, mark the utility location with the most appropriate method (e.g. wooden lathes, "X" mark on concrete, disc and nail on asphalt) and restore the field to as close as possible to its original conditions.

No test holes/VVHs anticipated.

Topographic and Utility Survey

- Set/recover horizontal and vertical control throughout the project corridor.
- Collect aboveground and visible features and improvements within the survey limits and as further described in the provided "Survey Scope of Services" letter.
- 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 (up to 10) as placed by others.
- 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.
- Recover and tie down sufficient monumentation in the field to calculate the existing apparent right-of-way along all public roadways within the project limits, and existing apparent property limits for parcels or portions thereof included within the project limits. Right-of-way and property limits will be shown as calculated based on field monumentation and it will be referred to as apparent right-of-way and apparent property lines. Any additional field and office work to establish R/W limits and property boundaries shall be quoted separately and performed following receipt of title information to be provided by Client.
- 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:

- Per provided "Survey Scope of Services" letter.

Proposed Schedule: To be discussed and agreed upon with the client following acceptance of this proposal. The proposed schedules shall be valid barring any unforeseen conditions.

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.

Fee: ECHO's competitive offer, which is inclusive of all field, office, materials, supplies, and equipment costs is detailed below.

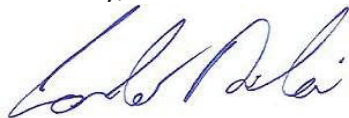
- **Survey services as herewith described, Fee: \$31,257.00**
- **Utility investigation services for wet utilities, Fee: \$12,700.00**
- **Tot. Project Estimate: \$43,957.00**

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.

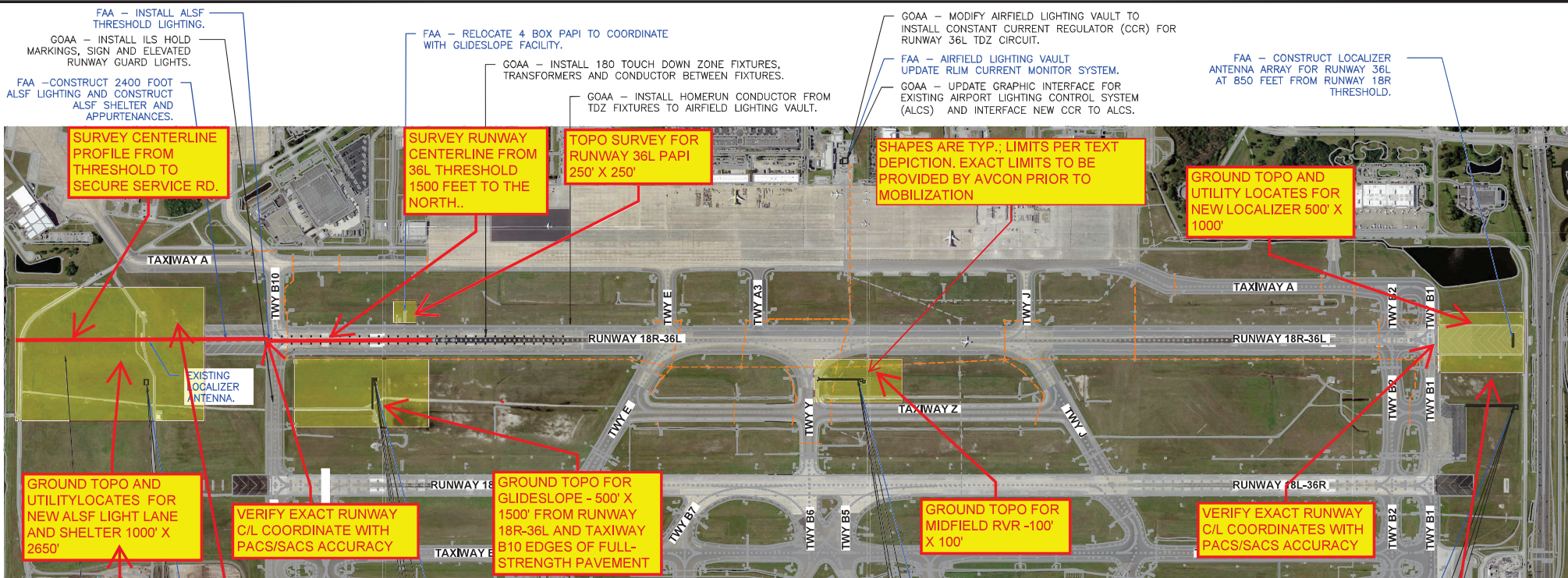
Thank you for considering ECHO for this important project and please do not hesitate to contact me directly should you have any questions or concerns.

Sincerely,



Carlo Pilia
Vice President
ECHO UES, Inc.

Project Limits: attached



ECHO'S NOTES:
NOT FULL TOPO/DTM; SEE SCOPE

ECHO'S NOTES:
UTILITY INVESTIGATION ONLY AT BOTH ENDS; UP TO 5 DAYS

ALL SURVEY WORK WILL BE INSIDE THE MCO AOA PERIMETER. EMPLOYEES TO BE BADGED OR UNDER BADGED ESCORT. INCREMENTAL RUNWAY CLOSURES TO BE SCHEDULED WITH GOAA OPERATIONS

ECHO'S NOTES:
UTILITY INVESTIGATION ONLY AT BOTH ENDS; UP TO 5 DAYS

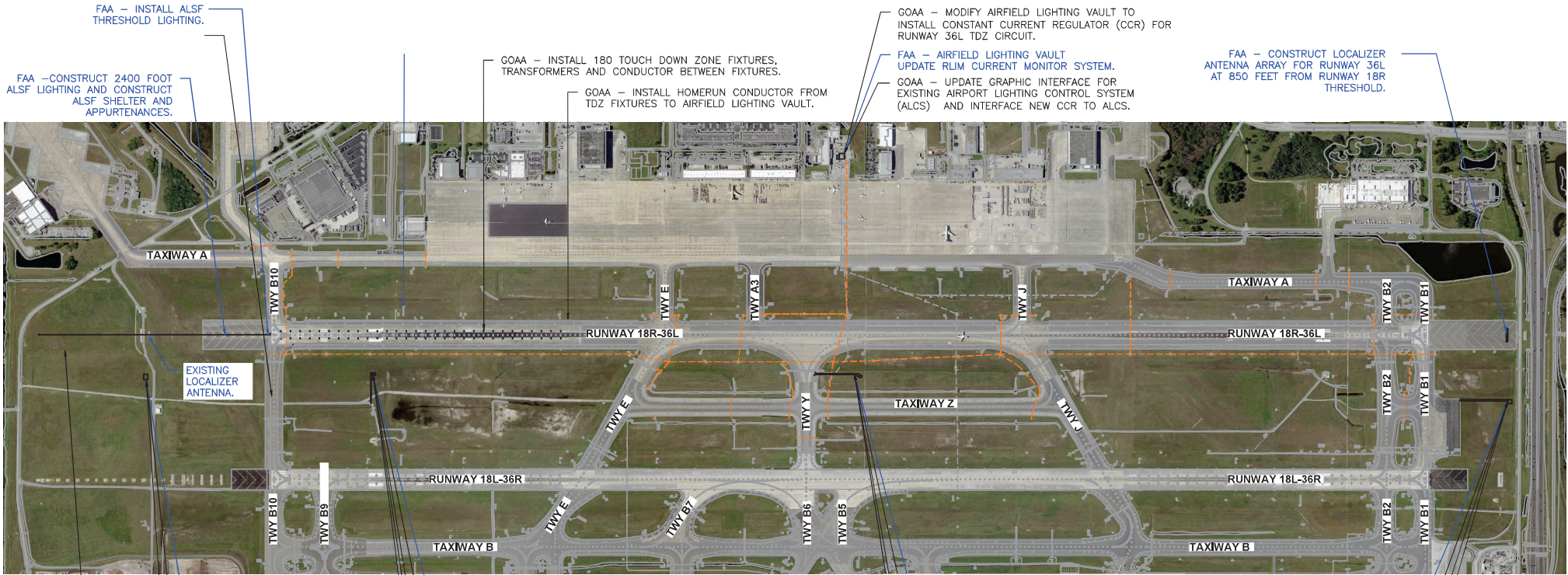
ORLANDO INTERNATIONAL AIRPORT
GREATER ORLANDO AVIATION AUTHORITY
ORLANDO, FLORIDA

DATE OF ISSUE
SEPTEMBER 2021

DRAWING TITLE
RUNWAY 36L CAT III ILS AND ALSF
SCOPE EXHIBIT



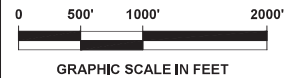
GREATER ORLANDO AVIATION AUTHORITY



ORLANDO INTERNATIONAL AIRPORT
GREATER ORLANDO AVIATION AUTHORITY
ORLANDO, FLORIDA

DATE OF ISSUE
SEPTEMBER 2024

DRAWING TITLE
RUNWAY 36L CAT III ILS AND ALSF
SCOPE EXHIBIT





January 10, 2024

Carlo Pilia, PE
VP Utility Engineering
ECHO UES
400 SR. 434, Ste.1024
Oviedo, FL 32765

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

Reference: **Ground Points and Supplemental Topographic Survey
Proposed CAT III ILS and ALSF Construction
Runway 18R-36L
Orlando International Airport**

Dear Carlo:

As a follow up to your previous work at the Orlando International Airport, and our previous scope letter of December 15, 2023, we are requesting a revised cost proposal to complete the work as described in this request and shown on the attached drawing. Your cost will serve as a Not-to-Exceed price for the work requested.

- ◆ Provide the following survey detail within the limits of "Detailed Survey":
 - Locate the precise ends of the runway using PACS and SACS accuracy to verify the exact Lat/Long of the end of the runway PCC pavement. (Markers or PC nails or other indicators should be present).
 - Provide a topographic 3d grid within the limits of survey as shown. Grid shall be 10'x10' on pavement shoulders and 25'x25' off pavement plus all tops of banks and toes of slopes (Total of 5 areas) ;
 - Survey the centerline elevation for the first 1500 feet of Runway 36L
 - Survey the centerline elevation for the light lane from Runway 36L south 2650 feet
 - Locate limits of terrain, pavement, fences, lights, underground wet utilities at north and south limits of work, and any other physical features encountered.
 - Locate and identify any and all drainage structures including rim and invert elevation, pipe size and type, and direction of flow.
 - Locate and identify all telephone and electrical junction boxes, poles, risers, or transformers with top of structure elevations.
 - Locate any other roadways, shelters, signs, striping or other physical features not specifically listed above (coordination with utility companies may be required).
 - Locate up to 10 proposed Geotech test points and stake in field.
 - Provide locate services for wet utilities at both ends of the runway – 2 days per end or 5 total work days.
- ◆ Provide permanent survey benchmark control information and location. Establish a minimum of five (5) permanent benchmarks for the purpose of control, within the proposed project areas. Existing permanent benchmarks may be utilized if they meet the criteria as specified above.

Not the overall limits;
see further explanation
and markups.



- ◆ Base all data on the latest NAD Florida State Plane grid system for horizontal control and the latest NAVD for vertical control.
- ◆ Provide pavement elevations and rim and invert elevation of drainage structures to the nearest 0.01'. Existing natural ground elevation shall be to the nearest 0.1'.
- ◆ Produce a completed 3D existing ground surface model, to include the definition T.I.N (Triangulated Irregular Network) file. The surface model should show the existing ground contours with elevation labels at 0.20' minor and 1.0' major intervals. Point elevations shall include all changes in grade, high points, low points, and top and bottom of bank within the limits of survey.
- ◆ Provide contours at a 0.2' interval within the areas of topography. Provide highlight contours at 1' intervals. All contours shall be labeled and shall reside on the correct layer (see below for further discussion on layer names).
- ◆ Each point should include point number, northing, easting, elevation, and description.
- ◆ Civil 3D point and elevation information shall be submitted in the electronic format (ASCII text, comma separated, space separated, MS Excel file, or equal) as described below:
 - The point number must be numeric, alpha characters are not accepted by the design software used in our company.
 - Point descriptions should be in the form of brush line, edge of pavement, etc.
 - The file delimiter, separating the file fields shall be either a comma or a space.
 - Provide a list of abbreviated survey description labels used in the point file.
- ◆ Submit digital data in an AutoCAD version 2018 or later for Windows drawing format on Windows compatible media. The drawing media shall contain entities on the appropriate layers. A prototype drawing is available from AVCON as a format for layering and system variables. Do not use any other layers except those created by Civil 3D. All existing features shall be color by layer, placed on the appropriate NCS Extended system layer, with layer color = 8.
- ◆ The base point and origin for all digital survey data shall be 0,0,0. Do not submit data that has been rotated or translated from its true location in the State Plane System. The survey data will be returned if it has been rotated or translated, cut, or otherwise moved from its original location on Earth.

Carlo Pilla, P.E.
Proposed CAT III ILS and ALSF Construction
Runway 18R-36L
Orlando International Airport
January 10, 2024 Page 3



- ◆ All drawing units shall be in feet for the Florida State Plane zone that they are in (U.S. Survey feet).
- ◆ Provide the completed 3D existing ground model surface, Digital Terrain Model (DTM) T.I.N. and/or XML files (including feature lines, break lines, fault data, etc.) used to create the model submitted. The existing ground surface model, T.I.N. files submitted shall be created using ACAD 2020 Compatible Software or earlier. The files submitted shall include, as a minimum, EG.TIN, EG.PNT, EG.DAT (where EG is the surface name). The easiest way is to simply copy the entire project directory after completing the digital reduction process and etransmit it in a zip file or folder.
- ◆ Deliverables include:
 - Minimum three copies of signed and sealed Survey Plans
 - the digital files described herein in downloadable format
 - an AutoCAD compatible drawing version 2018 or newer in downloadable format
 - one copy of the reduced survey field notes in downloadable format
 - geometry system data - provide a copy of coordinates for all points in electronic spreadsheet or ASCII format.
 - One copy of full scale signed and sealed survey.

Please provide a not-to-exceed cost for performing the above services along with an estimate for total time to perform the services, with the times for fieldwork and office work indicated separately. In addition, please indicate how soon you can begin the work following our authorization from the client.

All the best,

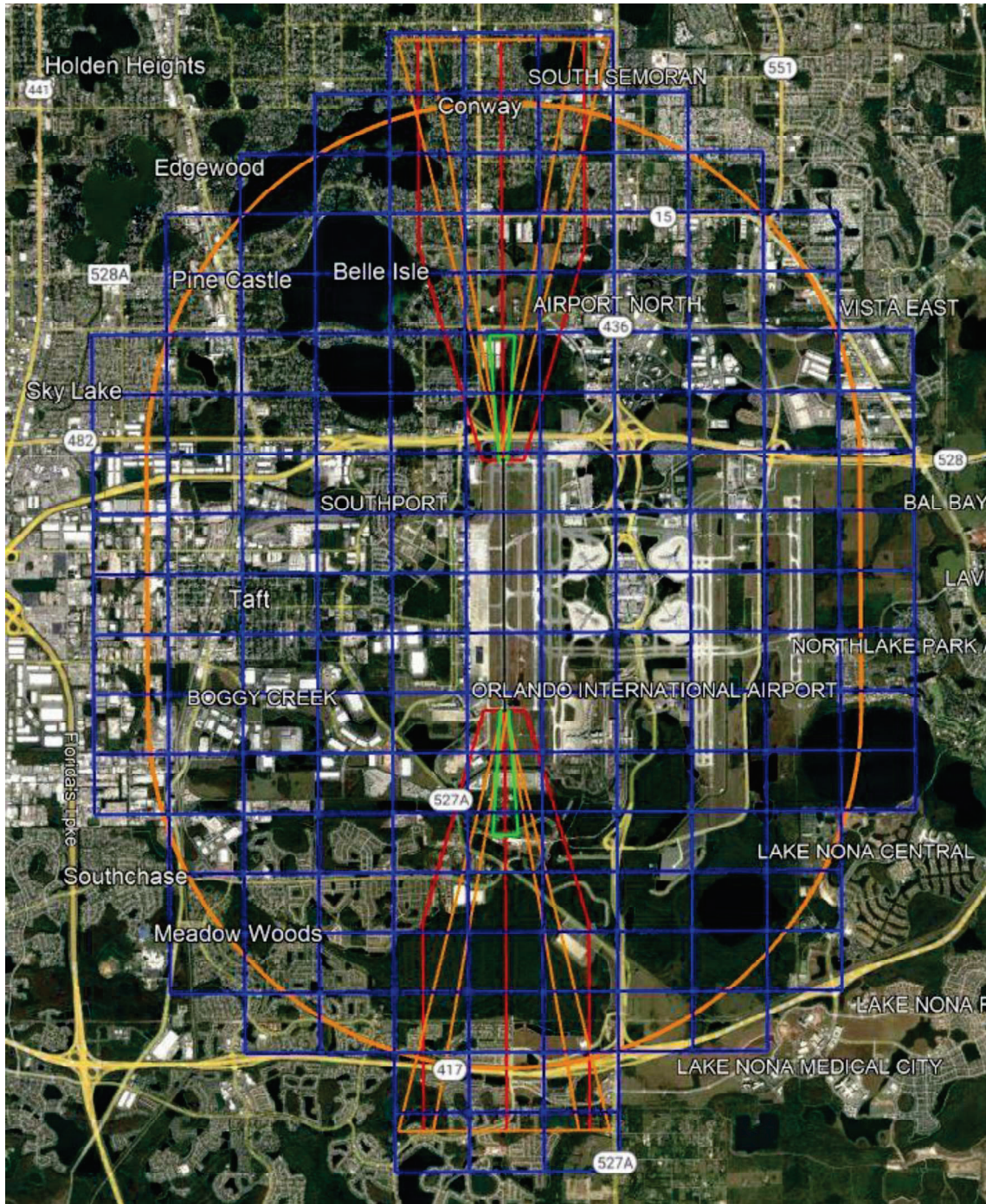
AVCON, INC.

A handwritten signature in blue ink that reads "James A. Kriss". The signature is fluid and cursive, with a long horizontal stroke at the end.

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

Enclosure Project Scope Exhibit

Attachment A: Design Survey Imagery Limits



Attachment B: Ortho Imagery Limits

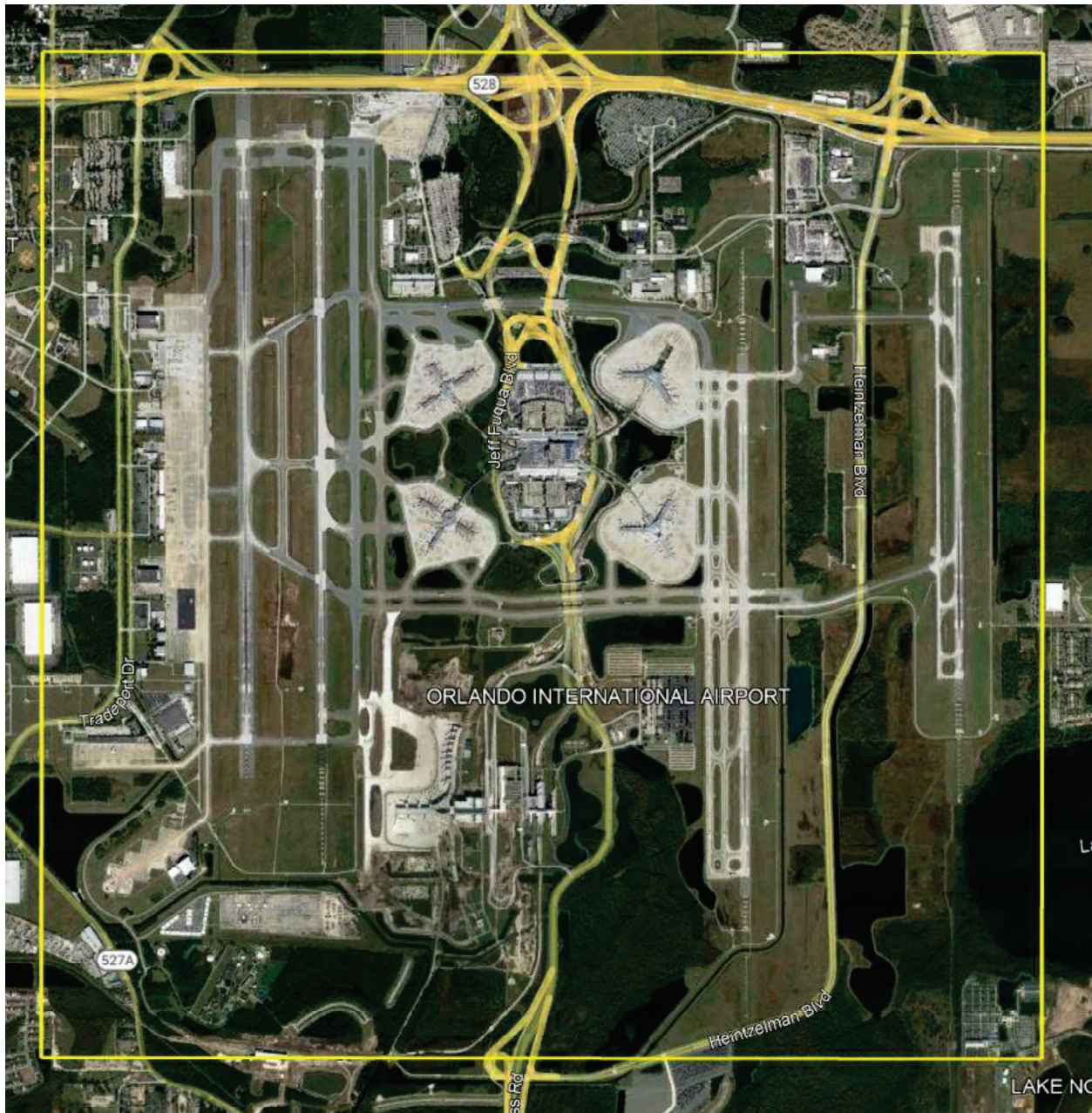


EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE

Runway 36L ALSF Site Preparation and FAA Support

Phase of Project:	Concept Development	Schematic 30%	Development 60%	Const. Docs. 95%	Bidding & Award	SUBTOTAL	Const. Admin.	Record Documents	TOTAL CONTRACT
1.0 Lump Sum Fee:									\$0
2.0 Not to Exceed Reimbursable Fees:	\$145,076	\$0	\$40,610	\$33,706	\$20,568	\$239,960	\$0	\$0	\$239,960
3.0 Not to Exceed Reimbursable Expenses:	\$9,030	\$0	\$0	\$0	\$0	\$9,030	\$0	\$0	\$9,030
4.0 TOTAL CONTRACT VALUE:	\$154,106	\$0	\$40,610	\$33,706	\$20,568	\$248,990	\$0	\$0	\$248,990

Total Lump Sum Labor Hours:									0
Total Not to Exceed Reimbursable Labor Hours:	990	0	264	202	126	1,582	0	0	1,582
TOTAL LABOR HOURS:	990	0	264	202	126	1,582	0	0	1,582
Average Hourly Rate:									\$151.68

Notes:

1. The lump sum cells in Table C-1 are linked to Table C-2 values
2. The Not to Exceed cells in Table C-1 are linked to Table C-4 values
3. The linked cells are based on a maximum of 5 subconsultants; if more than 5 are included enter all values manually.

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

Phase of Project:	Preliminary Design		Schematic (30%)		Development (60%)		Const. Docs. (95%)		Bidding & Award		Const. Admin.		Record Documents		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
Consultant																	
Not to Exceed Reimbursable Fee	92	\$17,228	0	\$0	264	\$40,610	202	\$33,706	126	\$20,568	0	\$0	0	\$0	684	\$112,112	\$ 163.91
Not to Exceed Reimbursable Expenses		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	
Sub-Total Designer	92	\$17,228	0	\$0	264	\$40,610	202	\$33,706	126	\$20,568	0	\$0	0	\$0	684	\$112,112	\$ 163.91
Subconsultant No. 1																	
Not to Exceed Reimbursable Fee	593	\$83,925	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	593	\$83,925	\$ 141.53
Not to Exceed Reimbursable Expenses		\$9,030														\$9,030	
Sub-Total Subconsultant No. 1	593	\$92,955	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	593	\$92,955	\$ 156.75
Subconsultant No. 2																	
Not to Exceed Reimbursable Fee	305	\$43,923	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	305	\$43,923	\$ 144.01
Not to Exceed Reimbursable Expenses																\$0	
Sub-Total Subconsultant No. 2	305	\$43,923	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	305	\$43,923	\$ 144.01
Subconsultant No. 3																	
Not to Exceed Reimbursable Fee	0		0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	NA
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	NA
Subconsultant No. 4																	
Not to Exceed Reimbursable Fee			0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	NA
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	NA
Subconsultant No. 5																	
Not to Exceed Reimbursable Fee			0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	NA
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	NA
Total Not to Exceed Fee:	990	\$145,076	0	\$0	264	\$40,610	202	\$33,706	126	\$20,568	0	\$0	0	\$0	1,582	\$239,960	\$ 151.68
Total Not to Exceed Expenses:	0	\$9,030	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$9,030	

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

Runway 36L ALSF Site Preparation and FAA Support

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																	
Not to Exceed Reimbursable Fee	92	\$17,228	0	\$0	264	\$40,610	202	\$33,706	126	\$20,568	0	\$0	0	\$0	684	\$112,112	\$ 163.91
Not to Exceed Reimbursable Expenses		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	
Sub-Total Designer	92	\$17,228	0	\$0	264	\$40,610	202	\$33,706	126	\$20,568	0	\$0	0	\$0	684	\$112,112	\$ 163.91
Subconsultant No. 1																	
Not to Exceed Reimbursable Fee	593	\$83,925	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	593	\$83,925	\$ 141.53
Not to Exceed Reimbursable Expenses		\$9,030														\$9,030	
Sub-Total Subconsultant No. 1	593	\$92,955	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	593	\$92,955	\$ 156.75
Subconsultant No. 2																	
Not to Exceed Reimbursable Fee	305	\$43,923	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	305	\$43,923	\$ 144.01
Not to Exceed Reimbursable Expenses																\$0	
Sub-Total Subconsultant No. 2	305	\$43,923	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	305	\$43,923	\$ 144.01
Subconsultant No. 3																	
Not to Exceed Reimbursable Fee	0		0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	NA
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	NA
Subconsultant No. 4																	
Not to Exceed Reimbursable Fee			0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	NA
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	NA
Subconsultant No. 5																	
Not to Exceed Reimbursable Fee			0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	NA
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	NA
Total Not to Exceed Fee:	990	\$145,076	0	\$0	264	\$40,610	202	\$33,706	126	\$20,568	0	\$0	0	\$0	1,582	\$239,960	\$ 151.68
Total Not to Exceed Expenses:	0	\$9,030	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$9,030	

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT-TO-EXCEED REIMBURSABLE FEES

Runway 36L ALSF Site Preparation and FAA Support

Position:	PRINCIPAL		PROJECT MANAGER		SENIOR PROJECT ENGINEER		PROJECT ENGINEER		SR CAD DESIGNER		ADMINISTRATIVE		TOTAL		
Rate (\$/Hour):	\$312		\$240		\$207		\$143		\$131		\$91				
AVCON, Inc.	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Programming															
1. Coordinate with Subconsultants to develop Scope of Services and Obtain Project Surveys for the project.	4	\$1,248	0	\$0	2	\$414	6	\$858	0	\$0	0	\$0	12	\$2,520	\$210.00
2. Request and obtain copies of most recent FAA ILS and ALSF Design standards	0	\$0	2	\$480	4	\$828	0	\$0	0	\$0	0	\$0	6	\$1,308	\$218.00
3. Coordinate project surveys with Subconsultants	0	\$0	4	\$960	2	\$414	8	\$1,144	0	\$0	0	\$0	14	\$2,518	\$179.86
4. Provide airfield escort for surveys	0	\$0	0	\$0	2	\$414	8	\$1,144	0	\$0	0	\$0	10	\$1,558	\$155.80
5. Coordinate with GOAA Operations for establishing field access, closures and related work to obtain data from the field.	0	\$0	0	\$0	2	\$414	2	\$286	0	\$0	0	\$0	4	\$700	\$175.00
6. Review Subconsultants deliverables and incorporate into the base files for the project along with existing electrical atlas base sheets	0	\$0	4	\$960	4	\$828	8	\$1,144	0	\$0	0	\$0	16	\$2,932	\$183.25
7. Assist in Preparation of Exhibits and Support for the project.	0	\$0	4	\$960	2	\$414	4	\$572	8	\$1,048	0	\$0	18	\$2,994	\$166.33
8. Project Initiation/Coordination. Coordinate and attend a project initiation/kick-off meeting with GOAA and FAA staff and others as deemed appropriate. The meeting shall review the project scope and schedule and establish the preliminary design goals and methods. The meeting agenda shall be developed and distributed not less than 48 hours in advance. The minutes from the meeting shall be prepared and distributed to each attendee within 48 hours following the meeting.	2	\$624	4	\$960	4	\$828	2	\$286	0	\$0	0	\$0	12	\$2,698	\$224.83
Sub-Total Preliminary Design	6	\$1,872	18	\$4,320	22	\$4,554	38	\$5,434	8	\$1,048	0	\$0	92	\$17,228	\$187.26
Design Development (60%)															
1. Attend meeting with GOAA and FAA Staff to finalize all design requirements and to confirm the design responsibilities between the two entities;	0	\$0	2	\$480	4	\$828	4	\$572	0	\$0	2	\$182	12	\$2,062	\$171.83
2. Make field site visit with GOAA Electrical staff (and FAA rep) to verify limits of work;	0	\$0	2	\$480	8	\$1,656	0	\$0	0	\$0	0	\$0	10	\$2,136	\$213.60
3. Compile plan sheets and details to define the work requirements	0	\$0	2	\$480	8	\$1,656	24	\$3,432	40	\$5,240	0	\$0	74	\$10,808	\$146.05
4. Compile technical specifications to define the work requirements.	0	\$0	2	\$480	8	\$1,656	16	\$2,288	0	\$0	16	\$1,456	42	\$5,880	\$140.00
5. Attend two (2) coordination meetings with the FAA via TEAMS to organize and coordinate the FAA design requirements;	2	\$624	2	\$480	2	\$414	0	\$0	0	\$0	0	\$0	6	\$1,518	\$253.00
6. Compile a draft CSPP Document	0	\$0	4	\$960	4	\$828	8	\$1,144	8	\$1,048	8	\$728	32	\$4,708	\$147.13
7. Prepare Front End Sheets (Haul Route, Safety, Security, etc.)	0	\$0	0	\$0	4	\$828	8	\$1,144	8	\$1,048	4	\$364	24	\$3,384	\$141.00
8. Compile tabulation of bid items and quantities and prepare initial estimate of probable cost at 60% stage of the work;	0	\$0	2	\$480	4	\$828	4	\$572	4	\$524	4	\$364	18	\$2,768	\$153.78
9. Compile latest standard GOAA bid documents and front-end documents for the public bidding format;	0	\$0	0	\$0	2	\$414	2	\$286	0	\$0	16	\$1,456	20	\$2,156	\$107.80
10. Perform QA review of 60% documents and Submit to FAA and Authority for Review and Comment.	2	\$624	2	\$480	2	\$414	2	\$286	0	\$0	2	\$182	10	\$1,986	\$198.60
11. Attend 60% Review Meeting with FAA and GOAA Staff to obtain approval of the 60% documents; and	2	\$624	2	\$480	2	\$414	2	\$286	0	\$0	0	\$0	8	\$1,804	\$225.50
12. Update/Reconcile Opinion of Probable Const. Cost	0	\$0	0	\$0	4	\$828	4	\$572	0	\$0	0	\$0	8	\$1,400	\$175.00
Sub-Total Design Development (60%)	6	\$1,872	20	\$4,800	52	\$10,764	74	\$10,582	60	\$7,860	52	\$4,732	264	\$40,610	\$153.83
Construction Documents (95%)															
Complete Drawings															
1. Make final site visit with GOAA Electrical and FAA staff and verify final limits of work;	0	\$0	0	\$0	4	\$828	4	\$572	0	\$0	0	\$0	8	\$1,400	\$175.00
2. Complete all plan sheets, details and technical specifications to define the work requirements, including special interface with on-going construction by others;	0	\$0	8	\$1,920	24	\$4,968	24	\$3,432	40	\$5,240	0	\$0	96	\$15,560	\$162.08
3. Finalize the CSPP Document	0	\$0	4	\$960	4	\$828	4	\$572	0	\$0	4	\$364	16	\$2,724	\$170.25

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL

TABLE C-5

BREAKDOWN OF NOT-TO-EXCEED REIMBURSABLE FEES

4. Finalize Front End Sheets (Haul Route, Safety, Security, etc.)	0	\$0	2	\$480	4	\$828	4	\$572	8	\$1,048	0	\$0	18	\$2,928	\$162.67
5. Update tabulation of bid items and quantities and complete estimates of probable cost at 95% stage of the work;	0	\$0	2	\$480	4	\$828	8	\$1,144	0	\$0	4	\$364	18	\$2,816	\$156.44
6. Finalize the latest standard GOAA bid documents and front-end documents for the public bidding format;	0	\$0	2	\$480	4	\$828	2	\$286	0	\$0	8	\$728	16	\$2,322	\$145.13
7. Perform QA review of 95% documents and Submit to FAA and Authority for Final Review and Comment.	2	\$624	2	\$480	2	\$414	2	\$286	0	\$0	2	\$182	10	\$1,986	\$198.60
8. Attend 95% Review Meeting with FAA and GOAA Staff to obtain approval for issuance of bid documents; and	2	\$624	2	\$480	2	\$414	0	\$0	0	\$0	0	\$0	6	\$1,518	\$253.00
9. Update/Reconcile Opinion of Probable Const. Cost	0	\$0	2	\$480	4	\$828	8	\$1,144	0	\$0	0	\$0	14	\$2,452	\$175.14
Sub-Total Construction Documents (95%)	4	\$1,248	24	\$5,760	52	\$10,764	56	\$8,008	48	\$6,288	18	\$1,638	202	\$33,706	\$166.86
Bidding and Award - (Continuing Contractors)															
1. Complete the 100% plans and specifications for use during bidding phase.	0	\$0	4	\$960	8	\$1,656	8	\$1,144	16	\$2,096	8	\$728	44	\$6,584	\$149.64
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 of public bid documents;	0	\$0	2	\$480	2	\$414	8	\$1,144	0	\$0	8	\$728	20	\$2,766	\$138.30
3. Prepare for and attend one pre-bid conference in conjunction with the FAA, AUTHORITY staff and contractors 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;	0	\$0	4	\$960	4	\$828	2	\$286	0	\$0	4	\$364	14	\$2,438	\$174.14
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;	2	\$624	4	\$960	8	\$1,656	8	\$1,144	0	\$0	2	\$182	24	\$4,566	\$190.25
5. Upon receipt of bids, evaluate bids, check and verify bidder's qualifications, previous work experience and references; and	0	\$0	4	\$960	4	\$828	4	\$572	0	\$0	4	\$364	16	\$2,724	\$170.25
6. Provide written recommendation to the AUTHORITY for the award of construction contract to the most favorable, responsive bidder.	0	\$0	2	\$480	4	\$828	0	\$0	0	\$0	2	\$182	8	\$1,490	\$186.25
Sub-Total Bidding and Award	2	\$624	20	\$4,800	30	\$6,210	30	\$4,290	16	\$2,096	28	\$2,548	126	\$20,568	\$163.24
Construction Administration															
Not Used	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															
Not Used	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:	18	\$5,616	82	\$19,680	156	\$32,292	198	\$28,314	132	\$17,292	98	\$8,918	684	\$112,112	\$163.91

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

Position:	Sr. Geospatial SME		Photogrammetrist Team Lead		Photogrammetrist Technician		Survey Team Leader		Senior Crew Chief		Senior Crew Chief (Travel Premium \$44)		Survey Technician		Sr. Administrative Assistant		TOTAL		
Rate (\$/Hour):	\$255		\$134		\$117		\$130		\$98		\$142		\$115		\$73				
WOOLPERT	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Project Management																			
Project Management & coordination	13	\$4,080	2	\$268	0	\$0	2	\$260	2	\$196	0	\$0	0	\$0	16	\$1,168	38	\$5,972	\$157
Sub-Total Project Management	13	\$4,080	2	\$268	0	\$0	2	\$260	2	\$196	0	\$0	0	\$0	16	\$1,168	38	\$5,972	\$157
Field Work: Design Survey Runway 18R/36L																			
Survey coordination, prep, setup	3	\$2,040	0	\$0	0	\$0	16	\$2,080	17	\$1,666	0	\$0	8	\$920	0	\$0	49	\$6,706	\$137
Travel (From & To Columbus)	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	40	\$5,680	0	\$0	0	\$0	40	\$5,680	\$142
Meeting Interviews, Recon / Valid PACS-SACS / Est Ctrl,	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	10	\$1,420	2	\$230	0	\$0	12	\$1,650	\$138
Valid PACS-SACS / Ctrl, EORs, Profiles	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	10	\$1,420	2	\$230	0	\$0	12	\$1,650	\$138
Profile, EORs, NAV/AID	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	10	\$1,420	2	\$230	0	\$0	12	\$1,650	\$138
Photo Control/PAPI OCS Control	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	10	\$1,420	2	\$230	0	\$0	12	\$1,650	\$138
Photo Control, Obstructions, Clean up	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	10	\$1,420	2	\$230	0	\$0	12	\$1,650	\$138
Sub-Total Field Work	3	\$2,040	0	\$0	0	\$0	16	\$2,080	17	\$1,666	90	\$12,780	18	\$2,070	0	\$0	149	\$20,636	\$138
Data & Deliverables																			
Field reduction of crew data and WASP uploads	3	\$0	0	\$0	0	\$0	0	\$0	10	\$980	0	\$0	3	\$345	0	\$0	13	\$1,325	\$102
Field Data Reduction/Final Chart	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	16	\$1,840	0	\$0	16	\$1,840	\$115
QC of Final Reduction	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$460	0	\$0	4	\$460	\$115
18B analysis of 18R/36L and QC	3	\$0	0	\$0	0	\$0	4	\$520	0	\$0	0	\$0	32	\$3,680	0	\$0	36	\$4,200	\$117
18B Reports and plans (SOW, S&QCP, Imagery Plan & Report)	4	\$1,020	0	\$0	0	\$0	12	\$1,560	0	\$0	0	\$0	0	\$0	0	\$0	16	\$2,580	\$161
PAPI OCS/LSCS Analysis and QC	3	\$0	0	\$0	0	\$0	4	\$520	0	\$0	0	\$0	24	\$2,760	0	\$0	28	\$3,280	\$117
Sub-Total Data & Deliverables	4	\$1,020	0	\$0	0	\$0	20	\$2,600	10	\$980	0	\$0	79	\$9,085	0	\$0	113	\$13,685	\$121
Acquisition and Triangulation																			
Acquisition and Triangulation	3	\$2,040	16	\$2,144	40	\$4,680	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	64	\$8,864	\$139
Sub-Total Acquisition & Triangulation	3	\$2,040	16	\$2,144	40	\$4,680	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	64	\$8,864	\$139
Obstruction Analysis																			
18B Analysis - normal spacing, nothing lowered	12	\$3,060	5	\$670	28	\$3,276	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	45	\$7,006	\$156
Part 77 Analysis: 18R - PIR, 36 - C - normal spacing, nothing lowered	2	\$510	3	\$402	8	\$936	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	13	\$1,848	\$142
13B Type Analysis	3	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	#DIV/0!
PAPI OCS/LSCS Analysis - - normal spacing, nothing lowered	2	\$510	4	\$536	12	\$1,404	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	18	\$2,450	\$136
Point Verification - 176C	12	\$3,060	5	\$670	26	\$3,042	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	43	\$6,772	\$159
Sub-Total Obstruction Analysis	23	\$7,140	17	\$2,278	74	\$8,658	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	119	\$18,076	\$153
OrthoPhoto																			
DEM	12	\$3,060	16	\$2,144	24	\$2,808	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	52	\$8,012	\$154
Ortho Photo	3	\$2,040	10	\$1,340	24	\$2,808	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	42	\$6,188	\$147
QC	4	\$1,020	4	\$536	8	\$936	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	16	\$2,492	\$156
Sub-Total OrthoPhoto	21	\$6,120	30	\$4,020	56	\$6,552	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	110	\$16,692	\$152
TOTAL NOT TO EXCEED REIMBURSABLE FEE:	83	\$22,440	65	\$8,710	170	\$19,890	38	\$4,940	29	\$2,842	90	\$12,780	97	\$11,155	16	\$1,168	593	\$83,925	\$142

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 NTE FEES

Runway 36L ALSF Site Preparation and FAA Support

Position:	PROJECT MANAGER		CADD DRAFTSMAN		3 PERSON SURVEY CREW		CLERICAL		TOTALS		
Rate (\$/Hour):	\$171		\$90		\$185		\$67		labor hours	Cost	Avg. Hourly Rate
Echo	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost			
Project Surveys											
Establish horizontal and vertical control based on PACS and SACS- includes training and badging	12	\$2,052	25	\$2,250	25	\$4,625	5	\$335	67	\$9,262	134
Topographic Survey and AutoCAD File Preparation. Tot. of 91ac. Approx. 30ac of full DTM	25	\$4,275	50	\$4,500	55	\$10,175	5	\$335	135	\$19,285	270
GPR support for Geotech (10 borings)	2	\$342	4	\$360	10	\$1,850	2	\$134	18	\$2,686	36
Utility investigation at both ends for wet utilities	5	\$855	25	\$2,250	50	\$9,250	5	\$335	85	\$12,690	170
Sub-Total Schematic Design (30%)	44	\$7,524	104	\$9,360	140	\$25,900	17	\$1,139	305	\$43,923	\$144.01
Design Development (60%)											
	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Not Used	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Sub-Total Design Development (60%)	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0.00
Construction Documents (100%)											
Develop Drawings	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Develop Specifications	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Update/Reconcile Opinion of Probable Const. Cost	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Sub-Total Construction Documents (100%)	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0.00
Bidding and Award											
Prepare/Reproduce/Distribute Bid Documents	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Pre-Bid Conference	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Prepare/Reproduce/Distribute Bid Addenda	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Review Bid Proposals and Provide Recommendation	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0
Sub-Total Bidding and Award	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0.00
Construction Administration											
Sub-Total Construction Administration	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0.00
Project Closeout											
Sub-Total Closeout	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0.00
TOTAL NOT TO EXCEED REIMBURSABLE FEE:	44	\$7,524	104	\$9,360	140	\$25,900	17	\$1,139	305	\$43,923	\$144.01

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-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES

REIMBURSABLE EXPENSES

A complete breakdown of estimated reimbursable expenses, if any, which will be compensated on a not to exceed reimbursable basis, shall be provided. The Consultant may use any format for this breakdown, provided that it clearly defines the basis for the not to exceed amount. A breakdown of each category also required.

Project Management

Field Work: Design Survey Runway 18R/36L **\$0.00**

Data & Deliverables **\$ -**

Acquisition and Triangulation **\$ -**

Obstruction Analysis **\$ -**

OrthoPhoto (enlargement, mounting, framing and shipping) **\$ 1,250.00**

Ortho Photography Sub (Midwest) **\$ 7,780.00**

Total Expenses **\$9,030.00**

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
Echo, UES, Inc.	Orlando, FL / Tampa, FL	Project Surveying	\$43,923.00	17.6%
Subconsultant No. 2				
Subconsultant No. 3				
Subconsultant No. 4				
Subconsultant No. 5				
TOTAL PROPOSED PARTICIPATION			\$43,923.00	17.6%

TABLE C-7b MWBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	MWBE CLASSIFICATION	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%

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%

\$ 248,923.00

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 (FY 2024)	PRINCIPAL	\$ 312.00
AVCON (FY 2024)	SR. PROJECT MANAGER	\$ 296.00
AVCON (FY 2024)	PROJECT MANAGER	\$ 240.00
AVCON (FY 2024)	SR. PROJ. 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)	ADMINISTRATIVE	\$ 91.00
ECHO UES, INC.	PROJECT MANAGER	\$ 171.00
ECHO UES, INC.	CADD DRAFTSMAN	\$ 90.00
ECHO UES, INC.	3 PERSON SURVEY CREW	\$ 185.00
ECHO UES, INC.	CLERICAL	\$ 67.00
WOOLPERT (2024)	SR. GEOSPATIAL SME	\$ 255.00
WOOLPERT (2024)	PHOTOGRAMMETRIST TEAM LEAD	\$ 134.00
WOOLPERT (2024)	PHOTOGRAMMETRIST TECHNICIAN	\$ 117.00
WOOLPERT (2024)	SENIOR CREW CHIEF	\$ 98.00
WOOLPERT (2024)	SURVEY TEAM LEADER	\$ 130.00
WOOLPERT (2024)	SURVEY TECHNICIAN	\$ 115.00
WOOLPERT (2024)	SR. ADMINISTRATIVE ASSISTANT	\$ 73.00



AVCON, INC.
Engineers & Planners

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

October 16, 2024

Mr. Tuan Nguyen, P.E.
Manager of Engineering
Greater Orlando Aviation Authority
11314 Terminal C Service Road
Orlando, FL 32824

Reference: **TRUTH IN NEGOTIATION CERTIFICATION**
CAT III ILS and ALSF Infrastructure,
Airfield Lighting and Signage
Runway 36L
Orlando International Airport

Dear Tuan:

AVCON 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.

AVCON 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.

A handwritten signature in blue ink that reads "James A. Kriss". The signature is fluid and cursive, with the first name "James" being more prominent than the last name "Kriss".

James A. Kriss, P.E.

Sr. Vice President

Date: October 16, 2024

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: October 22, 2024

ITEM DESCRIPTION

Request for Approval of an Addendum to the Continuing Civil Engineering Services Agreement with AVCON, Inc. for Design and Bid Phase Services for H-00382 MCO Runway 36L Improvements for FAA Proposed ILS and ALSF Systems Project at the Orlando International Airport

SMALL BUSINESS

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that AVCON, Inc. proposes 18% MWBE participation in 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 Civil Engineering Services Agreement with AVCON, Inc. for Design and Bid Phase Services for H-00382 MCO Runway 36L Improvements for FAA Proposed ILS and ALSF Systems Project at the 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: \$248,990.00

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	-	Actual Result	0%
Hispanic American	43,923.00	Actual Result	18%
Native American	-	Actual Result	0%
Other	-	Actual Result	0%
Total MWBE Participation	43,923.00	Actual Result	18%

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 MWBE Subconsultant

Name: ECHO UES, Inc.
Address: 4803 George Rd.
City, State, Zip: Tampa, FL 32765
Telephone: 727-423-2518

6.c. *Identity: Hispanic American

Work Item(s): Surveying

Amount of Subcontract \$43,923.00

Percent of Prime Contract (%): 18%

* 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)