



Ms. Flora Colom
Program Manager
Federal Aviation Administration
Orlando ADO
8427 South Park Circle, Suite 524
Orlando, FL 32819

May 11, 2023

**Re: Venice Municipal Airport (VNC); Venice, Florida
FY 2023 Airport Improvement Program
Grant Application (3-12-0082-025-2023)**

Dear Ms. Colom:

Enclosed please find an FY 2023 Airport Improvement Program Grant Application for the following project at VNC:

- 1) Runway 13-31 Rehab (Design & Construction)

The following items are enclosed for the project:

- Application Checklist
- Standard Form 424 - Application for Federal Assistance
- SF 5100-100: Parts II and III
- Program Narrative and Sketch
- FAA ADO Required Detailed Information Sheet
- Project Line-Item Cost Breakdown
- Project Specific Checklist
- Project Schedule
- CATEX
- Airport Sponsor Certifications
- Airport Layout Plan (ALP)
- Consultant Agreement for Design & Construction Services
- Independent Fee Estimate (IFE)
- Recommendation of award letter
- Bid Tabulations

We are requesting \$3,857,294.00 for 90% of the eligible federal share of project costs. Please let me know if you should have any questions or comments.

Sincerely,

Mark J. Cervasio
Airport Director

150 Airport Avenue East, Venice, Florida 34285

Phone: (941) 486-2711 • Fax: (941) 483-5942 • www.flyvnc.com

Airport Improvement Program
 Federal Assistance Request Checklist

APPLICATION CHECKLIST

Airport:	Venice Municipal Airport
Sponsor:	City of Venice
City, State:	Venice, Florida
Date of Application:	May 5, 2023

Cover Letter:

- Letter of Credit method of payment requested.
- Project(s) identified. (Any changes from previous meetings/discussions should be discussed prior to submission.)
- If pre-application, proposed application date identified.
- If application, any changes to requested amount are identified and reasons provided.
- If application, identify if any changes have taken place on Exhibit "A" Property Map since last grant.
- If application, identify if any changes have taken place on Exhibit "C" Title Opinion since last grant.

Application:

- Standard Form 424 - Application for Federal Assistance and Associated Forms
- Program Narrative and Sketch
- Detailed Project Information Sheet
- Project Line-Item Cost Breakdown
- Project Specific Checklist
- Project Schedule
- CATEX
- Public Hearing Information
- Airport Sponsor Certifications
- Airport Layout Plan, Title Opinion, and Airport Property Map
- Project Contract/Scope, and Fee
- Independent Fee Estimate
- Bid Tabulation
- Recommendation for Award Letter

Application for Federal Assistance SF-424		
* 1. Type of Submission <input type="checkbox"/> Preapplication <input type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
* 3. Date Received <input type="text"/>	4. Application Identifier 3-12-0082-025-2023	
5a. Federal Entity Identifier: DOT/FAA	* 5b. Federal Award Identifier: <input type="text"/>	
State Use Only:		
6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>	
8. APPLICANT INFORMATION:		
* a. Legal Name: City of Venice		
* b. Employer/Taxpayer Identification Number (EIN/TIN): 59-6000443	*c. UEI: 936021910000	
d. Address:		
* Street1: 150 Airport Avenue East		
Street 2: <input type="text"/>		
* City: Venice		
County/Parish: <input type="text"/>		
* State: Province: Florida		
* Country: United States		
*Zip/ Postal Code: 34285 3901		
e. Organizational Unit:		
Department Name: City of Venice	Division Name: Venice Municipal Airport	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: Mr.	* First Name: Mark	
Middle Name: <input type="text"/>		
* Last Name: Cervasio		
Suffix: <input type="text"/>		
Title: Airport Director		
Organizational Affiliation: Venice Municipal Airport		
* Telephone Number: (941) 486-2711	Fax Number: (941) 483-5942	
* Email: mcervasio@flyvnc.com		

Application for Federal Assistance SF-424

*9. Type of Applicant 1: Select Applicant Type:

County Government

C. City of Township Government ▼

Type of Applicant 2: Select Applicant Type:

▼

Type of Applicant 3: Select Applicant Type:

▼

* Other (specify)

* 10. Name of Federal Agency:

Federal Aviation Administration

11. Catalog of Federal Domestic Assistance Number:

20.106

CFDA Title:

Airport Improvement Program

*12. Funding Opportunity Number:

* Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Venice Municipal Airport (VNC) - Venice, Florida

* 15. Descriptive Title of Applicant's Project:

Runway 13-31 Rehab. (Design & Construction) See Program Narrative for Full Description and Exhibit.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424	
16. Congressional Districts Of:	
*a. Applicant: FL-13	*b. Program/Project: FL-13
Attach an additional list of Program/Project Congressional Districts if needed.	
17. Proposed Project:	
*a. Start Date: 10/13/2023	*b. End Date: 3/15/2024
18. Estimated Funding (\$):	
*a. Federal	3,857,293.80
*b. Applicant	0.00
*c. State	214,294.10
*d. Local	214,294.10
*e. Other	0.00
*f. Program Income	0.00
*g. TOTAL	4,285,882.00
*19. Is Application Subject to Review By State Under Executive Order 12372 Process?	
<input type="checkbox"/> a. This application was made available to the State under the Executive Order 12372 Process for review on _____ <input type="checkbox"/> b. Program is subject to E.O. 12372 but has not been selected by the State for review. <input checked="" type="checkbox"/> c. Program is not covered by E.O. 12372	
*20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation on next page.)	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001) <input checked="" type="checkbox"/> ** I AGREE ** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.	
Authorized Representative:	
Prefix: Mr.	First Name: Edward
Middle Name: F.	
* Last Name: Lavallee	
Suffix:	
*Title: City Manager	
*Telephone Number: (941) 486-2626	Fax Number: (941) 480-3031
* Email: elavallee@venicegov.com	
*Signature of Authorized Representative:	*Date Signed:

Application for Federal Assistance (Development and Equipment Projects)

PART II – PROJECT APPROVAL INFORMATION

Part II - SECTION A			
The term "Sponsor" refers to the applicant name provided in box 8 of the associated SF-424 form.			
Item 1. Does Sponsor maintain an active registration in the System for Award Management (www.SAM.gov)?	Yes	No	
Item 2. Can Sponsor commence the work identified in the application in the fiscal year the grant is made or within six months after the grant is made, whichever is later?	Yes	No	N/A
Item 3. Are there any foreseeable events that would delay completion of the project? If yes, provide attachment to this form that lists the events.	Yes	No	N/A
Item 4. Will the project(s) covered by this request have impacts or effects on the environment that require mitigating measures? If yes, attach a summary listing of mitigating measures to this application and identify the name and date of the environmental document(s).	Yes	No	N/A
Item 5. Is the project covered by this request included in an approved Passenger Facility Charge (PFC) application or other Federal assistance program? If yes, please identify other funding sources by checking all applicable boxes. <div style="margin-left: 20px;"> The project is included in an <i>approved</i> PFC application. If included in an approved PFC application, does the application <i>only</i> address AIP matching share? Yes No </div> The project is included in another Federal Assistance program. Its CFDA number is below.	Yes	No	N/A
Item 6. Will the requested Federal assistance include Sponsor indirect costs as described in 2 CFR Appendix VII to Part 200, States and Local Government and Indian Tribe Indirect Cost Proposals? If the request for Federal assistance includes a claim for allowable indirect costs, select the applicable indirect cost rate the Sponsor proposes to apply: <div style="margin-left: 20px;"> De Minimis rate of 10% as permitted by 2 CFR § 200.414. Negotiated Rate equal to % as approved by (the Cognizant Agency) on (Date) (2 CFR part 200, appendix VII). </div> <i>Note: Refer to the instructions for limitations of application associated with claiming Sponsor indirect costs.</i>	Yes	No	N/A

PART II - SECTION B

Certification Regarding Lobbying

The declarations made on this page are under the signature of the authorized representative as identified in box 21 of form SF-424, to which this form is attached. The term "Sponsor" refers to the applicant name provided in box 8 of the associated SF-424 form.

The Authorized Representative certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Sponsor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the Authorized Representative shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The Authorized Representative shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

PART II – SECTION C

The Sponsor hereby represents and certifies as follows:

1. Compatible Land Use – The Sponsor has taken the following actions to assure compatible usage of land adjacent to or in the vicinity of the airport:

2. Defaults – The Sponsor is not in default on any obligation to the United States or any agency of the United States Government relative to the development, operation, or maintenance of any airport, except as stated herewith:

3. Possible Disabilities – There are no facts or circumstances (including the existence of effective or proposed leases, use agreements or other legal instruments affecting use of the Airport or the existence of pending litigation or other legal proceedings) which in reasonable probability might make it impossible for the Sponsor to carry out and complete the Project or carry out the provisions of the Grant Assurances, either by limiting its legal or financial ability or otherwise, except as follows:

4. Consistency with Local Plans – The project is reasonably consistent with plans existing at the time of submission of this application) of public agencies that are authorized by the State in which the project is located to plan for the development of the area surrounding the airport.

5. Consideration of Local Interest – It has given fair consideration to the interest of communities in or near where the project may be located.

6. Consultation with Users – In making a decision to undertake an airport development project under Title 49, United States Code, it has consulted with airport users that will potentially be affected by the project (§ 47105(a)(2)).

7. Public Hearings – In projects involving the location of an airport, an airport runway or a major runway extension, it has afforded the opportunity for public hearings for the purpose of considering the economic, social, and environmental effects of the airport or runway location and its consistency with goals and objectives of such planning as has been carried out by the community and it shall, when requested by the Secretary, submit a copy of the transcript of such hearings to the Secretary. Further, for such projects, it has on its management board either voting representation from the communities where the project is located or has advised the communities that they have the right to petition the Secretary concerning a proposed project.

8. Air and Water Quality Standards – In projects involving airport location, a major runway extension, or runway location it will provide for the Governor of the state in which the project is located to certify in writing to the Secretary that the project will be located, designed, constructed, and operated so as to comply with applicable and air and water quality standards. In any case where such standards have not been approved and where applicable air and water quality standards have been promulgated by the Administrator of the Environmental Protection Agency, certification shall be obtained from such Administrator. Notice of certification or refusal to certify shall be provided within sixty days after the project application has been received by the Secretary.

PART II – SECTION C (Continued)

9. Exclusive Rights – There is no grant of an exclusive right for the conduct of any aeronautical activity at any airport owned or controlled by the Sponsor except as follows:

10. Land – (a) The sponsor holds the following property interest in the following areas of land, which are to be developed or used as part of or in connection with the Airport subject to the following exceptions, encumbrances, and adverse interests, all of which areas are identified on the aforementioned property map designated as Exhibit “A”. [1]

The Sponsor further certifies that the above is based on a title examination by a qualified attorney or title company and that such attorney or title company has determined that the Sponsor holds the above property interests.

(b) The Sponsor will acquire within a reasonable time, but in any event prior to the start of any construction work under the Project, the following property interest in the following areas of land on which such construction work is to be performed, all of which areas are identified on the aforementioned property map designated as Exhibit “A”. [1]

(c) The Sponsor will acquire within a reasonable time, and if feasible prior to the completion of all construction work under the Project, the following property interest in the following areas of land which are to be developed or used as part of or in connection with the Airport as it will be upon completion of the Project, all of which areas are identified on the aforementioned property map designated as Exhibit “A”. [1]

¹ State the character of property interest in each area and list and identify for each all exceptions, encumbrances, and adverse interests of every kind and nature, including liens, easements, leases, etc. The separate areas of land need only be identified here by the area numbers shown on the property map.

PART III - BUDGET INFORMATION - CONSTRUCTION**SECTION A - GENERAL**

1. Federal Domestic Assistance Catalog No. **20-106**
 2. Functional or Other Breakout **Airport Improvement Program**

SECTION B - CALCULATION OF FEDERAL GRANT

Cost Classification	Use only for revisions		Total Amount Required
	Latest Approved Amount (Use only for Revisions)	Adjustment + or (-) (Use only for Revisions)	
1. Administration expense	\$10,000		\$ 10,000.00
2. Preliminary expense			\$ -
3. Land, structures, right-of-way			\$ -
4. Architectural engineering basic fees	\$269,762		\$ 269,762.00
5. Other architectural engineering fees	\$270,503		\$ 270,503.00
6. Project inspection fees			\$ -
7. Land development			\$ -
8. Relocation expenses			\$ -
9. Relocation payments to Individuals and businesses			\$ -
10. Demolition and removal			\$ -
11. Construction and project improvement	\$3,730,617		\$ 3,730,617.00
12. Equipment			\$ -
13. Miscellaneous - IFE	\$5,000		\$ 5,000
14. Subtotal (Line 1 through 13)	\$4,285,882		\$ 4,285,882.00
15. Estimated Income (if applicable)			\$ -
16. Net Project Amount (Line 14 minus 15)	\$4,285,882		\$ 4,285,882.00
17. Less: Ineligible Exclusions (Section C, Line 23 g.)	\$0		\$ -
18 Subtotal (Line 16 through 17)	\$4,285,882		\$ 4,285,882.00
19 Federal Share requested of Line 19	\$3,857,294		\$ 3,857,293.80
20 Grantee share	\$214,294		\$ 214,294.10
21 Other shares	\$214,294		\$ 214,294.10
22 Total project (Lines 19, 20 & 21)	\$4,285,882		\$ 4,285,882.00

SECTION C - EXCLUSIONS	
23. Classification (Description of non-participating work)	Amount Ineligible for Participation
a.	
b.	
c.	
d.	
e.	
f.	
Totals	\$ -
SECTION D - PROPOSED METHOD OF FINANCING NON-FEDERAL SHARE	
24. Grantee Share	\$ 214,294.10
a. Securities	
b. Mortgages	
c. Appropriations (By Applicant)	
d. Bonds	
e. Tax Levies	
f. Non Cash	
g. Other (Explain)	
h. TOTAL -Grantee Share	\$ 214,294.10
25. Other Shares	
a. State	\$ 214,294.10
b. Other	
c. Total Other Shares	\$ 214,294.10
26. TOTAL NON-FEDERAL-FINANCING	\$ 428,588.20
SECTION E - REMARKS	
(Attach sheets if additional space is required)	

PART IV
PROGRAM NARRATIVE
Runway 13-31 Rehab (Design & Construction)

OMB NO. 2120-0569
OMB Expiration Date: 6/30/2023

PROJECT: Runway 13-31 Rehab (Design & Construction)

AIRPORT: Venice Municipal Airport (VNC)

1. Objective:

- a. Comply with the Airport Pavement Maintenance Program.
- b. Comply with FDOT statewide airport pavement management program, which recommended surface treatment of pavements as described in FAA AC 150/5370-10G.
- c. Scope is Appropriate: Yes. See *Approved Scope of Work in Final Application*.

2. Benefits Anticipated:

Extend Runway 13-31 Pavement Operations

3. Approach:

The City of Venice (OWNER) intends to rehabilitate Runway 13-31 at Venice Municipal Airport (VNC) by means of pavement rejuvenator. This project will include design, permitting, and bidding for work related to this rehabilitation.



See *Approved Scope of Work in Final Application and Schedule*.

4. Geographic Location:

Venice Municipal Airport, Venice, Florida

5. If Applicable, Provide Additional Information:

AID or one of their subconsultants will provide the following general services for this project:

1. Management of the project from program verification to construction and grant closeout.
2. Coordination with Project Team members.
3. Coordination with the Owner, FAA, and other tenants, as necessary.
4. Preparation of minutes of meetings and phone conversations.
5. Program verification and site investigation.
6. Design and preparation of the construction and front-end contract documents.
7. Preparation of the Engineer's Report and construction cost estimate.
8. Bidding and award assistance.
9. Construction Administration
10. Construction Management Plan
11. Resident Project Representative (RPR)
12. Quality Assurance Testing for P-401, P-610, and P-620

See Approved Scope of Work when completed for the Final Application.

6. Sponsor's Representative: *(include address & telephone number)*

Mark J. Cervasio
Airport Director
Venice Municipal Airport
150 Airport Ave
Venice, FL 34285
(941) 486-2711

Detailed Project Information Sheet
 Airport Improvement Program
 Grant Application

Airport: VENICE MUNICIPAL AIRPORT (VNC)

City, ST: Venice, Florida

Project Description: This project includes the design, bid and rehabilitation of the pavement and markings of Runway 13-31.

Project Justification: In accordance with FAA grant assurances, the Airport is required to establish a pavement maintenance program. The existing runway consists of an un-grooved asphalt surface with various different pavement thicknesses, conditions, and construction types as a result of numerous improvement projects over the years. Portions of the pavement consist of WWII era PCC pavement overlaid with asphalt while newer sections consist of a limerock base with an asphalt surface course. The FDOT statewide airport pavement management program assigned the runway PCI values ranging from 61 to 90 (fair to satisfactory condition) and the runway is in need of rehabilitation to extend the useful life of the pavement. The Design Team (CONSULTANT) will design Runway 13-31 to meet all applicable Federal Aviation Administration (FAA) and Florida Department of Transportation (FDOT) criteria, prepare construction documents and assist the OWNER in bidding the project.

Special Circumstances: None

Project Cost Information:

Total Cost	FAA Share (90%)	State (5%)	Local (5%)
\$4,285,882.00	\$3,857,294.00	\$214,294.00	\$214,294.00

Type of Funding Proposed			
NP2023 Total	\$3,857,294.00		
Discretionary			
Entitlements	\$150,000.00		
FAA Share	\$3,707,294.00		
Total	\$3,857,294.00	\$214,294.00	\$214,294.00

Alternate Funding Plan: The City will approach FDOT for additional funds if necessary.

**VENICE MUNICIPAL AIRPORT (VNC)
PROJECT COSTS**

	Runway 13-31 (Design & Construction)	Total Project Cost
	FAA Eligible	
Administrative Costs	\$10,000.00	\$10,000.00
Engineering Basic Fees	\$269,762.00	\$269,762.00
Design Services	\$199,794.00	\$199,794.00
Construction Administration Services	\$69,968.00	\$69,968.00
Other Engineering Fees	\$270,503.00	\$270,503.00
Topographic Surveys	\$11,565.00	\$11,565.00
Geotechnical Investigations	\$17,500.00	\$17,500.00
Grant Services	\$17,410.00	\$17,410.00
CCTV Pipe Inspections	\$34,042.00	\$34,042.00
Runway Ends & Displaced Threshold Verification and Approach Survey	\$54,958.00	\$54,958.00
Inspection and RPR	\$90,028.00	\$90,028.00
Quality Assurance Testing	\$45,000.00	\$45,000.00
Total Engineering Fees	\$540,265.00	\$540,265.00
Miscellaneous - IFE Fee	\$5,000.00	\$5,000.00
Construction Cost	\$3,730,617.00	\$3,730,617.00
Total Project Cost	\$4,285,882.00	\$4,285,882.00

Total Administrative Cost	\$10,000.00
Total Engineering Cost	\$540,265.00
Total Miscellaneous - IFE Cost	\$5,000.00
Total Construction Cost	\$3,730,617.00
Total Project Cost	\$4,285,882.00
Total FAA Eligible (90%)	\$3,857,293.80
Total State (5%)	\$214,294.10
Total Local (5%)	\$214,294.10

Project Specific Checklist
Application for Federal Assistance

Project Description:

Runway 13-31 Rehab (Design & Construction)
Airport Name / City, FL:
VENICE MUNICIPAL AIRPORT, VENICE, FLORIDA

	Items a. thru pp. must be answered for each individual project: (Ref. Order 5100-38D, Chapter 3, Table 3-1)	Yes (y)	No (n)	N/A (n/a)
a.	Is the project eligible?	Y		
aa.	Identify eligibility "chapter & verse" from Order 5100-38D, AIP Handbook	Section 3-3 Airport Development		
b.	Is the project justified? Does your project narrative address the "Three Basic Tests" as identified in Table 3-4, Order 5100-38D?	Y		
c.	Is the project on airport property (with good title)?	Y		
cc.	Date of your current Airport Exhibit A on file in ADO:	10-Sep-14		
d.	Is the project on the FAA approved airport layout plan?	Y		
dd.	Identify date of FAA approved ALP on file in the ADO:	submitted with application		
e.	Has the Sponsor satisfied the intergovernmental review and airport user consultation	Y		
f.	Has the FAA completed an environmental finding for the project?	Y		
ff.	Provide date of environmental finding/Cat. Ex.?	10/18/2021		
g.	Will the project result in a usable unit of work?	Y		
h.	Will the project be planned, designed, and/or constructed to FAA standards?	Y		
hh.	If applicable, identify date MOS was approved by FAA.			N/A
i.	Has the project been procured correctly?	Y		
j.	Are the project costs allowable?	Y		
k.	Are the project costs necessary to accomplish the project? (Project costs are directly necessary to accomplish the project. Ref. Order 5100-38D, Ch. 3, Section 12).	Y		
l.	Were the project costs incurred after the grant was executed? (Ref. Order 5100-38D, Ch. 3, Section 13, for exceptions).	Y		
m.	Are the project costs reasonable? (Are Sponsor cost analyses attached? Ref. Order 5100-38D, Ch. 3, Section 14). See Engineer's Estimate, Bid Tabs, and sponsor letter.	Y		
n.	Is this the only federal grant containing these project costs? (No "double-dipping"!!!)	Y		
o.	Are the project costs within the allowable federal share?	Y		
p.	Can the project be completed without unreasonable delay?	Y		
pp.	Identify number of calendar days and date after the grant execution date when notice-to-proceed will be issued.	Immediately		
	<u>If discretionary funding is being requested for this project answer the following:</u>			
1	Is this project phased?		N	
1a.	If yes, what phase is this?			
1b.	If phased, how does this phase fit into the larger development need?			
2	What is the total AIP funds spent on previous phases of the project?			
2a.	What is the total AIP funds requested for this phase in this Application?			
2b.	What is the total AIP funds needed to complete the project beyond this Application ?			
	<u>If funding requested for this project is for an LOI, provide the following:</u>			
i.	Enter the number of the LOI payment this grant will provide.			
ii.	Enter the total number of LOI payments - past grant(s), this grant, future grant(s)			
iii.	Total AIP funds provided to-date including the funds requested in this Application			
iv.	Total AIP funds approved for the project LOI. (Total LOI payments for entire project).			

**Venice Municipal Airport
Runway 13-31 Rehab (Design & Construction)**

<u>Proposed Project Schedule:</u>	<u>Dates:</u>
Selection of Consultant	4/16/2020
Pre-Application Submittal to FAA ADO Planner	10/15/2022
Bid Opening	5/1/2023
Grant Application Submittal to FAA ADO Engineer	5/5/2023
Grant Offer	8/4/2023
Execution of FAA Grant	9/15/2023
Pre-construction Conference	10/13/2023
Notice to Proceed to Contractor ¹	10/13/2023
Substantial Completion of Construction	3/26/2024
Final Inspection	3/26/2024
Project Close-Out ²	5/1/2024

= To be coordinated with the ADO Engineer prior to grant application submittal.

¹ Once all contract documents have been executed, the sponsor will issue a notice to proceed to the contractor. The sponsor must send a copy of the notice to proceed to the ADO PM.

² Project shall remain on schedule as shown above. Note that closeout of an AIP grant must not exceed four (4) years after grant execution date. You may refer to the AIP Handbook - Chapter 5, Section 8, Grant Closeout for additional details.

**FAA ORLANDO AIRPORTS DISTRICT OFFICE – CATEGORICAL EXCLUSION (CATEX)
SHORT FORM**

Airport: _____ Project Title: _____

Use this CATEX Short Form if the Proposed Action is a federal action subject to NEPA and normally would not individually or cumulatively have a significant effect on the human environment. **Identify the applicable paragraph on the line below from FAA Order 1050.1F, paragraphs 5-6.1 through 5-6.6 for the Proposed Action.**

5-6.4e Categorical Exclusions for Construction or Rehabilitation of Runway _____.

List all components of the Proposed Action and Connected Actions (if any) on a separate sheet. *A CATEX should not be used for a segment or an interdependent part of a larger proposed action.* **Include** a summary of existing conditions at the Proposed Action site. **Attach** a site map identifying the Proposed Action area on the airport's current ALP and a recent aerial of the Proposed Action area.

Certify that the Proposed Action and Connected Actions are **NOT** likely to have extraordinary circumstances or significant impacts. Significance thresholds and factors to consider are in FAA Order 1050.1F Exhibit 4-1. Extraordinary circumstances are listed in FAA Order 1050.1F paragraph 5-2, and summarized below:

- An adverse effect on cultural resources protected under the National Historic Preservation Act of 1966, as amended, 54 U.S.C. §300101 et seq.;
- An impact on properties protected under Section 4(f);
- An impact on natural, ecological, or scenic resources of Federal, state, tribal, or local significance (e.g., federally listed or proposed endangered, threatened, or candidate species, or designated or proposed critical habitat under the Endangered Species Act, 16 U.S.C. §§ 1531-1544);
- An impact on the following resources: resources protected by the Fish and Wildlife Coordination Act, 16 U.S.C. §§ 661-667d; wetlands; floodplains; coastal zones; national marine sanctuaries; wilderness areas; National Resource Conservation Service-designated prime and unique farmlands; energy supply and natural resources; resources protected under the Wild and Scenic Rivers Act, 16 U.S.C. §§ 1271-1287, and rivers or river segments listed on the Nationwide Rivers Inventory (NRI); and solid waste management;
- A division or disruption of an established community, or a disruption of orderly, planned development, or an inconsistency with plans or goals that have been adopted by the community in which the project is located;
- An increase in congestion from surface transportation (by causing decrease in level of service below acceptable levels determined by appropriate transportation agency, such as a highway agency);
- An impact on noise levels of noise sensitive areas;
- An impact on air quality or violation of Federal, state, tribal, or local air quality standards under the Clean Air Act, 42 U.S.C. §§ 7401-7671q;
- An impact on water quality, sole source aquifers, a public water supply system, or state or tribal water quality standards established under the Clean Water Act, 33 U.S.C. §§ 1251-1387, and the Safe Drinking Water Act, 42 U.S.C. §§ 300f-300j-26;
- Impacts on the quality of the human environment that are likely to be highly controversial on environmental grounds. The term "highly controversial on environmental grounds" means there is a substantial dispute involving reasonable disagreement over the degree, extent, or nature of a proposed action's environmental impacts or over the action's risks of causing environmental harm.
- Likelihood to be inconsistent with any Federal, state, tribal, or local law relating to the environmental aspects of the proposed action; or
- Likelihood to directly, indirectly, or cumulatively create a significant impact on the human environment, including, but not limited to, actions likely to cause a significant lighting impact on residential areas or commercial use of business properties, likely to cause a significant impact on the visual nature of surrounding land uses, likely to cause environmental contamination by hazardous materials, or likely to disturb an existing hazardous material contamination site such that new environmental contamination risks are created.

Based on the information in this Short Form CATEX and supporting information, I certify that the Proposed Action and Connected Actions meet(s) all requirements for a CATEX in accordance with FAA Order 1050.F and do not have any extraordinary circumstances or significant impacts.

Signature of Authorized Airport Representative Date

FAA Determination (signature of Program Manager):

Categorically Excluded: _____ Date: _____

Requires further environmental analysis: _____ Date: _____

CATEGORICAL EXCLUSION ENVIRONMENTAL DETERMINATION CHECKLIST

Airport: _____

Prepared and certified by: _____ Date: _____

	YES**	NO	COMMENTS
THE PROPOSED ACTION MUST BE LISTED IN FAA ORDER 1050.1F PARAS. 5-6.1-5-6.6 AS AN ACTION THAT WOULD NORMALLY BE CATEGORICALLY EXCLUDED			
THE PROPOSED ACTION CONSISTS OF:			
Helicopter facilities or operations			
Land acquisition			
New airport serving general aviation			
Access or service road construction			
New airport location			
New runway			
Runway extension, strengthening, reconstruction, resurfacing or widening			
Converting prime or unique farmland			
Runway Safety Area (RSA) improvements			
ILS or ALS installation			
Airport development (hangars, terminal expansion)			
On-airport aboveground or underground fuel storage tanks			
Construction, reconstruction, or relocation of an ATCT			
THE PROPOSED ACTION WILL AFFECT:			
Historic/Archeological/Cultural Resources			
Section 4(f) or 6(f) resources			
Federally listed, endangered, threatened, or candidate species, or designated/proposed critical habitat			
Federal, state, tribal, or local natural, ecological, or scenic resources			
Wetlands, floodplains, waterways			
Energy supply or natural resources			
Protected rivers or river segments			
Established community(s), planned development, or plans/goals adopted by the local community			
Surface vehicular traffic (reduce LOS)			
Air quality or violate Federal, state, tribal or local standards			
Water quality, a sole source aquifer, public water supply system, or federal, state, or tribal water quality standards			
THE PROPOSED ACTION IS LIKELY TO:			
Be Highly Controversial on Environmental Grounds			
Be Inconsistent with Federal, state, tribal, or local law relating to environmental aspects			
Cause residential or business relocations			
Increase noise levels over Noise Sensitive Land Uses within the 65 dBA noise contour or newly include Noise Sensitive Land Uses within the 65 dBA noise contour.			
Cause Environmental Justice Impacts			
Contain Hazardous Materials or Affect Hazardous Materials/Sites			
Create a Wildlife Hazard per AC 150/5200-33			
Increase lighting impacts on residential communities or impact the visual nature of surrounding land uses			

** Attach detailed explanations or analysis for all "yes" answers on a separate sheet that supports a Categorical Exclusion determination.



Drug-Free Workplace Airport Improvement Program Sponsor Certification

Sponsor:

Airport:

Project Number:

Description of Work:

Application

49 USC § 47105(d) authorizes the Secretary to require certification from the sponsor that it will comply with the statutory and administrative requirements in carrying out a project under the Airport Improvement Program (AIP). General requirements on the drug-free workplace within federal grant programs are described in 2 CFR part 182. Sponsors are required to certify they will be, or will continue to provide, a drug-free workplace in accordance with the regulation. The AIP project grant agreement contains specific assurances on the Drug-Free Workplace Act of 1988.

Certification Statements

Except for certification statements below marked as not applicable (N/A), this list includes major requirements of the construction project. Selecting “Yes” represents sponsor acknowledgement and confirmation of the certification statement. The term “will” means Sponsor action taken at appropriate time based on the certification statement focus area, but no later than the end of the project period of performance. This list is not comprehensive and does not relieve the sponsor from fully complying with all applicable statutory and administrative standards. The source of the requirement is referenced within parenthesis.

1. A statement has been or will be published prior to commencement of project notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the sponsor's workplace, and specifying the actions to be taken against employees for violation of such prohibition (2 CFR § 182.205).

Yes No N/A

2. An ongoing drug-free awareness program (2 CFR § 182.215) has been or will be established prior to commencement of project to inform employees about:

- a. The dangers of drug abuse in the workplace;
- b. The sponsor's policy of maintaining a drug-free workplace;
- c. Any available drug counseling, rehabilitation, and employee assistance programs; and
- d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.

Yes No N/A

3. Each employee to be engaged in the performance of the work has been or will be given a copy of the statement required within item 1 above prior to commencement of project (2 CFR § 182.210).

Yes No N/A

4. Employees have been or will be notified in the statement required by item 1 above that, as a condition employment under the grant (2 CFR § 182.205(c)), the employee will:

- a. Abide by the terms of the statement; and
- b. Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.

Yes No N/A

5. The Federal Aviation Administration (FAA) will be notified in writing within 10 calendar days after receiving notice under item 4b above from an employee or otherwise receiving actual notice of such conviction (2 CFR § 182.225). Employers of convicted employees must provide notice, including position title of the employee, to the FAA (2 CFR § 182.300).

Yes No N/A

6. One of the following actions (2 CFR § 182.225(b)) will be taken within 30 calendar days of receiving a notice under item 4b above with respect to any employee who is so convicted:

- a. Take appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; and
- b. Require such employee to participate satisfactorily in drug abuse assistance or rehabilitation programs approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency.

Yes No N/A

7. A good faith effort will be made, on a continuous basis, to maintain a drug-free workplace through implementation of items 1 through 6 above (2 CFR § 182.200).

Yes No N/A

Site(s) of performance of work (2 CFR § 182.230):

Location 1

Name of Location:

Address:

Location 2 (if applicable)

Name of Location:

Address:

Location 3 (if applicable)

Name of Location:

Address:

Attach documentation clarifying any above item marked with a "No" response.

Sponsor's Certification

I certify, for the project identified herein, responses to the forgoing items are accurate as marked and additional documentation for any item marked "no" is correct and complete.

Executed on this day of , .

Name of Sponsor:

Name of Sponsor's Authorized Official:

Title of Sponsor's Authorized Official:

Signature of Sponsor's Authorized Official: _____

I declare under penalty of perjury that the foregoing is true and correct. I understand that knowingly and willfully providing false information to the federal government is a violation of 18 USC § 1001 (False Statements) and could subject me to fines, imprisonment, or both.

Project Plans and Specifications

Airport Improvement Program Sponsor Certification

Sponsor:

Airport:

Project Number:

Description of Work:

Application

49 USC § 47105(d) authorizes the Secretary to require certification from the sponsor that it will comply with the statutory and administrative requirements in carrying out a project under the Airport Improvement Program (AIP). Labor and civil rights standards applicable to AIP are established by the Department of Labor (www.dol.gov/). AIP Grant Assurance C.1—General Federal Requirements identifies applicable federal laws, regulations, executive orders, policies, guidelines and requirements for assistance under AIP. A list of current advisory circulars with specific standards for procurement, design or construction of airports, and installation of equipment and facilities is referenced in standard airport sponsor Grant Assurance 34 contained in the grant agreement.

Certification Statements

Except for certification statements below marked as not applicable (N/A), this list includes major requirements of the construction project. Selecting “Yes” represents sponsor acknowledgement and confirmation of the certification statement. The term “will” means Sponsor action taken at appropriate time based on the certification statement focus area, but no later than the end of the project period of performance. This list is not comprehensive and does not relieve the sponsor from fully complying with all applicable statutory and administrative standards. The source of the requirement is referenced within parenthesis.

1. The plans and specifications were or will be prepared in accordance with applicable federal standards and requirements, so that no deviation or modification to standards set forth in the advisory circulars, or FAA-accepted state standard, is necessary other than those explicitly approved by the Federal Aviation Administration (FAA) (14 USC § 47105).

Yes No N/A

2. Specifications incorporate or will incorporate a clear and accurate description of the technical requirement for the material or product that does not contain limiting or proprietary features that unduly restrict competition (2 CFR §200.319).

Yes No N/A

3. The development that is included or will be included in the plans is depicted on the current airport layout plan as approved by the FAA (14 USC § 47107).

Yes No N/A

4. Development and features that are ineligible or unallowable for AIP funding have been or will be omitted from the plans and specifications (FAA Order 5100.38, par. 3-43).

Yes No N/A

5. The specification does not use or will not use "brand name" or equal to convey requirements unless sponsor requests and receives approval from the FAA to use brand name (FAA Order 5100.38, Table U-5).

Yes No N/A

6. The specification does not impose or will not impose geographical preference in their procurement requirements (2 CFR §200.319(b) and FAA Order 5100.38, Table U-5).

Yes No N/A

7. The use of prequalified lists of individuals, firms or products include or will include sufficient qualified sources that ensure open and free competition and that does not preclude potential entities from qualifying during the solicitation period (2 CFR §319(d)).

Yes No N/A

8. Solicitations with bid alternates include or will include explicit information that establish a basis for award of contract that is free of arbitrary decisions by the sponsor (2 CFR § 200.319(a)(7)).

Yes No N/A

9. Concurrence was or will be obtained from the FAA if Sponsor incorporates a value engineering clause into the contract (FAA Order 5100.38, par. 3-57).

Yes No N/A

10. The plans and specifications incorporate or will incorporate applicable requirements and recommendations set forth in the federally approved environmental finding (49 USC §47106(c)).

Yes No N/A

11. The design of all buildings comply or will comply with the seismic design requirements of 49 CFR § 41.120. (FAA Order 5100.38d, par. 3-92)

Yes No N/A

12. The project specification include or will include process control and acceptance tests required for the project by as per the applicable standard:

a. Construction and installation as contained in Advisory Circular (AC) 150/5370-10.

Yes No N/A

b. Snow Removal Equipment as contained in AC 150/5220-20.

Yes No N/A

c. Aircraft Rescue and Fire Fighting (ARFF) vehicles as contained in AC 150/5220-10.

Yes No N/A

13. For construction activities within or near aircraft operational areas(AOA):

a. The Sponsor has or will prepare a construction safety and phasing plan (CSPP) conforming to Advisory Circular 150/5370-2.

b. Compliance with CSPP safety provisions has been or will be incorporated into the plans and specifications as a contractor requirement.

c. Sponsor will not initiate work until receiving FAA's concurrence with the CSPP (FAA Order 5100.38, Par. 5-29).

Yes No N/A

14. The project was or will be physically completed without federal participation in costs due to errors and omissions in the plans and specifications that were foreseeable at the time of project design (49 USC §47110(b)(1) and FAA Order 5100.38d, par. 3-100).

Yes No N/A

Attach documentation clarifying any above item marked with "No" response.

Sponsor's Certification

I certify, for the project identified herein, responses to the forgoing items are accurate as marked and additional documentation for any item marked "no" is correct and complete.

Executed on this day of , .

Name of Sponsor:

Name of Sponsor's Authorized Official:

Title of Sponsor's Authorized Official:

Signature of Sponsor's Authorized Official: _____

I declare under penalty of perjury that the foregoing is true and correct. I understand that knowingly and willfully providing false information to the federal government is a violation of 18 USC § 1001 (False Statements) and could subject me to fines, imprisonment, or both.



Selection of Consultants

Airport Improvement Program Sponsor Certification

Sponsor:

Airport:

Project Number:

Description of Work:

Application

49 USC § 47105(d) authorizes the Secretary to require certification from the sponsor that it will comply with the statutory and administrative requirements in carrying out a project under the Airport Improvement Program (AIP). General requirements for selection of consultant services within federal grant programs are described in 2 CFR §§ 200.317-200.326. Sponsors may use other qualifications-based procedures provided they are equivalent to standards of Title 40 chapter 11 and FAA Advisory Circular 150/5100-14, Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects.

Certification Statements

Except for certification statements below marked as not applicable (N/A), this list includes major requirements of the construction project. Selecting “Yes” represents sponsor acknowledgement and confirmation of the certification statement. The term “will” means Sponsor action taken at appropriate time based on the certification statement focus area, but no later than the end of the project period of performance. This list is not comprehensive and does not relieve the sponsor from fully complying with all applicable statutory and administrative standards. The source of the requirement is referenced within parenthesis.

1. Sponsor acknowledges their responsibility for the settlement of all contractual and administrative issues arising out of their procurement actions (2 CFR § 200.318(k)).

Yes No N/A

2. Sponsor procurement actions ensure or will ensure full and open competition that does not unduly limit competition (2 CFR § 200.319).

Yes No N/A

3. Sponsor has excluded or will exclude any entity that develops or drafts specifications, requirements, or statements of work associated with the development of a request-for-qualifications (RFQ) from competing for the advertised services (2 CFR § 200.319).

Yes No N/A

4. The advertisement describes or will describe specific project statements-of-work that provide clear detail of required services without unduly restricting competition (2 CFR § 200.319).
- Yes No N/A
5. Sponsor has publicized or will publicize a RFQ that:
- a. Solicits an adequate number of qualified sources (2 CFR § 200.320(d)); and
- b. Identifies all evaluation criteria and relative importance (2 CFR § 200.320(d)).
- Yes No N/A
6. Sponsor has based or will base selection on qualifications, experience, and disadvantaged business enterprise participation with price not being a selection factor (2 CFR § 200.320(d)).
- Yes No N/A
7. Sponsor has verified or will verify that agreements exceeding \$25,000 are not awarded to individuals or firms suspended, debarred or otherwise excluded from participating in federally assisted projects (2 CFR §180.300).
- Yes No N/A
8. A/E services covering multiple projects: Sponsor has agreed to or will agree to:
- a. Refrain from initiating work covered by this procurement beyond five years from the date of selection (AC 150/5100-14); and
- b. Retain the right to conduct new procurement actions for projects identified or not identified in the RFQ (AC 150/5100-14).
- Yes No N/A
9. Sponsor has negotiated or will negotiate a fair and reasonable fee with the firm they select as most qualified for the services identified in the RFQ (2 CFR § 200.323).
- Yes No N/A
10. The Sponsor's contract identifies or will identify costs associated with ineligible work separately from costs associated with eligible work (2 CFR § 200.302).
- Yes No N/A
11. Sponsor has prepared or will prepare a record of negotiations detailing the history of the procurement action, rationale for contract type and basis for contract fees (2 CFR §200.318(i)).
- Yes No N/A
12. Sponsor has incorporated or will incorporate mandatory contact provisions in the consultant contract for AIP-assisted work (49 U.S.C. Chapter 471 and 2 CFR part 200 Appendix II)
- Yes No N/A

13. For contracts that apply a time-and-material payment provision (also known as hourly rates, specific rates of compensation, and labor rates), the Sponsor has established or will establish:

- a. Justification that there is no other suitable contract method for the services (2 CFR §200.318(j));
- b. A ceiling price that the consultant exceeds at their risk (2 CFR §200.318(j)); and
- c. A high degree of oversight that assures consultant is performing work in an efficient manner with effective cost controls in place 2 CFR §200.318(j)).

Yes No N/A

14. Sponsor is not using or will not use the prohibited cost-plus-percentage-of-cost (CPPC) contract method. (2 CFR § 200.323(d)).

Yes No N/A

Attach documentation clarifying any above item marked with “no” response.

Sponsor’s Certification

I certify, for the project identified herein, responses to the forgoing items are accurate as marked and additional documentation for any item marked “no” is correct and complete.

I declare under penalty of perjury that the foregoing is true and correct. I understand that knowingly and willfully providing false information to the federal government is a violation of 18 USC § 1001 (False Statements) and could subject me to fines, imprisonment, or both.

Executed on this day of , .

Name of Sponsor:

Name of Sponsor’s Authorized Official:

Title of Sponsor’s Authorized Official:

Signature of Sponsor’s Authorized Official: _____

I declare under penalty of perjury that the foregoing is true and correct. I understand that knowingly and willfully providing false information to the federal government is a violation of 18 USC § 1001 (False Statements) and could subject me to fines, imprisonment, or both.



Certification and Disclosure Regarding Potential Conflicts of Interest Airport Improvement Program Sponsor Certification

Sponsor:

Airport:

Project Number:

Description of Work:

Application

Title 2 CFR § 200.112 and § 1201.112 address Federal Aviation Administration (FAA) requirements for conflict of interest. As a condition of eligibility under the Airport Improvement Program (AIP), sponsors must comply with FAA policy on conflict of interest. Such a conflict would arise when any of the following have a financial or other interest in the firm selected for award:

- a) The employee, officer or agent,
- b) Any member of his immediate family,
- c) His or her partner, or
- d) An organization which employs, or is about to employ, any of the above.

Selecting "Yes" represents sponsor or sub-recipient acknowledgement and confirmation of the certification statement. Selecting "No" represents sponsor or sub-recipient disclosure that it cannot fully comply with the certification statement. If "No" is selected, provide support information explaining the negative response as an attachment to this form. This includes whether the sponsor has established standards for financial interest that are not substantial or unsolicited gifts are of nominal value (2 CFR § 200.318(c)). The term "will" means Sponsor action taken at appropriate time based on the certification statement focus area, but no later than the end of the project period of performance.

Certification Statements

1. The sponsor or sub-recipient maintains a written standards of conduct governing conflict of interest and the performance of their employees engaged in the award and administration of contracts (2 CFR § 200.318(c)). To the extent permitted by state or local law or regulations, such standards of conduct provide for penalties, sanctions, or other disciplinary actions for violations of such standards by the sponsor's and sub-recipient's officers, employees, or agents, or by contractors or their agents.

Yes No

2. The sponsor's or sub-recipient's officers, employees or agents have not and will not solicit or accept gratuities, favors or anything of monetary value from contractors, potential contractors, or parties to sub-agreements (2 CFR § 200.318(c)).

Yes No

3. The sponsor or sub-recipient certifies that is has disclosed and will disclose to the FAA any known potential conflict of interest (2 CFR § 1200.112).

Yes No

Attach documentation clarifying any above item marked with "no" response.

Sponsor's Certification

I certify, for the project identified herein, responses to the forgoing items are accurate as marked and have the explanation for any item marked "no" is correct and complete.

Executed on this day of , .

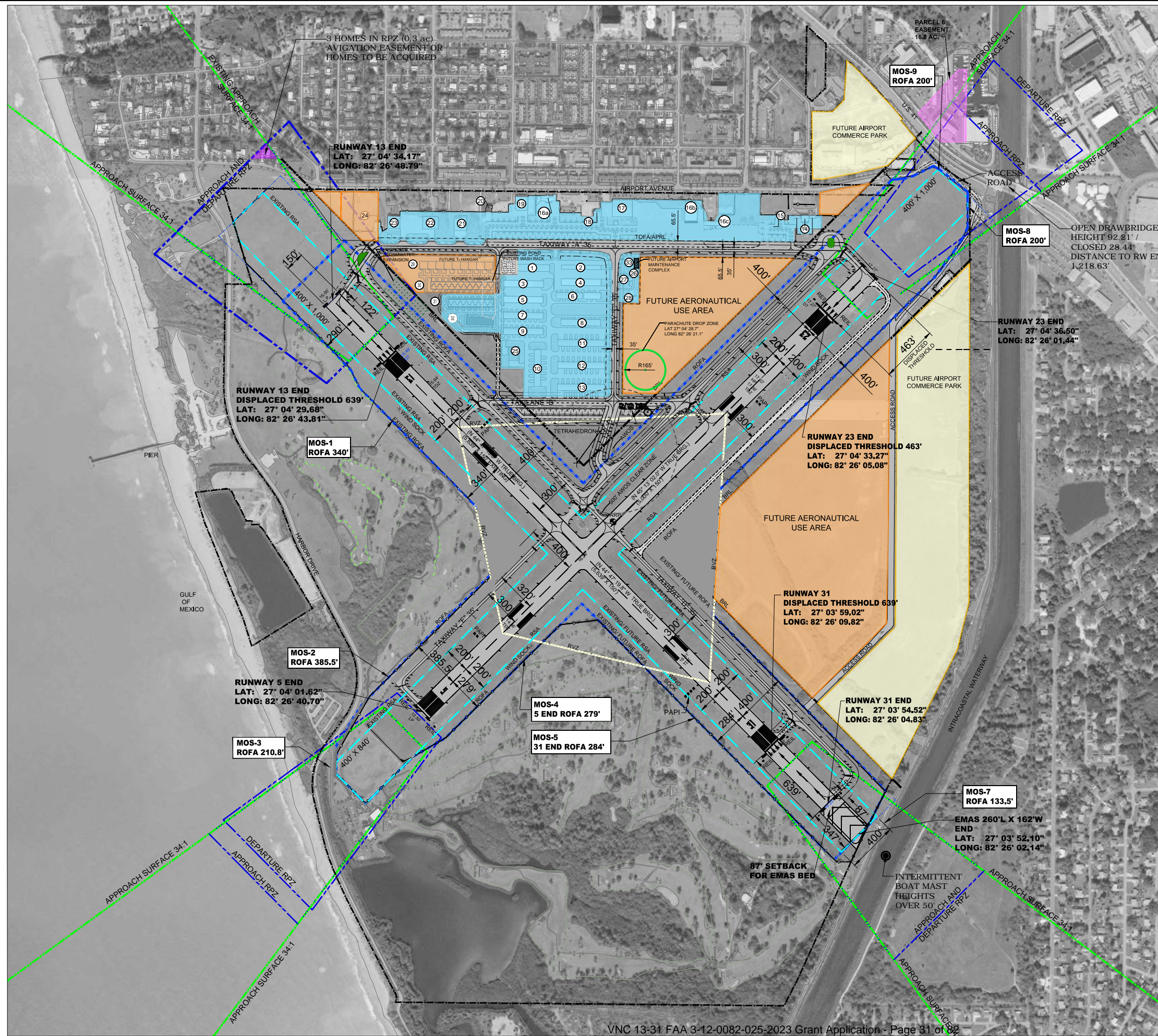
Name of Sponsor:

Name of Sponsor's Authorized Official:

Title of Sponsor's Authorized Official:

Signature of Sponsor's Authorized Official: _____

I declare under penalty of perjury that the foregoing is true and correct. I understand that knowingly and willfully providing false information to the federal government is a violation of 18 USC § 1001 (False Statements) and could subject me to fines, imprisonment, or both.

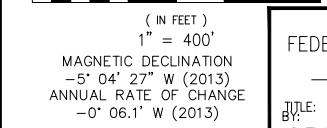
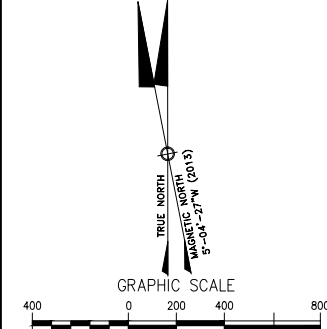


CONSTRUCTION NOTICE REQUIREMENT
 TO PROTECT OPERATIONAL SAFETY AND ULTIMATE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH THE FAA AIRPORTS DISTRICT OFFICE PRIOR TO CONSTRUCTION.
 (FAA'S REVIEW TAKES APPROXIMATELY 60 DAYS)

- NOTES:**
- THIS DOCUMENT WAS PREPARED FOR PLANNING PURPOSES ONLY AND TO DOCUMENT DEVELOPMENT FOR THE VENICE MUNICIPAL AIRPORT.
 - BUILDING RESTRICTION LINES (BRL) ARE BASED ON FAA AC 150/5300-13A, PARAGRAPH 213(a).
 - ORIGINAL AERIAL PHOTOGRAMMETRY WAS CONDUCTED BY AERIAL CARTOGRAPHICS OF AMERICA, 10/05/05. GROUND CONTROL SURVEY WAS CONDUCTED BY MEA GROUP, INC. 10/05/05. UPDATED AERIAL PHOTOGRAPHY RECEIVED FROM SARASOTA COUNTY, GIS DEPARTMENT, 03/11/13.
 - A STANDARD RUNWAY SAFETY AREA IS NOT ACHIEVABLE ON RUNWAY 5-23, PER RSA DETERMINATION STUDY SUBMITTED TO FAA JUNE 14, 2011. ALP CONDITIONALLY APPROVED BY FAA JULY 11, 2011.
 - MODIFICATIONS OF DESIGN STANDARDS, SEE SHEET 3 MOS TABLE.

ABBREVIATIONS:
 DT DISPLACED THRESHOLD
 HP HIGH POINT
 LP LOW POINT
 TDZ TOUCH DOWN ZONE

THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
●	●	AIRPORT REFERENCE POINT (ARP)
---	---	PROPERTY LINE
---	---	BUILDING RESTRICTION LINE
---	---	CONTOUR LINES
---	---	SURFACE ELEVATION (MSL)
---	---	FENCE
---	---	RUNWAY APPROACH SURFACE
---	---	RUNWAY PROTECTION ZONE (RPZ)
---	---	RUNWAY SAFETY AREA (RSA)
---	---	RUNWAY OBJECT FREE AREA (ROFA)
---	---	RUNWAY OBJECT FREE ZONE (ROFZ)
---	---	RUNWAY VISIBILITY ZONE (RVZ)
---	---	BUILDING
---	---	FUTURE AERONAUTICAL USE AREA
---	---	NON-AERONAUTICAL LAND USE / AIRPORT COMMERCE PARK
---	---	PAVEMENT
---	---	EXISTING AERONAUTICAL USE AREA
---	---	GOLF COURSE
---	---	THRESHOLD LIGHTS
---	---	WINDSOCK
---	---	REIL
---	---	PAPI
---	---	GOLF COURSE HOLE
---	---	AWOS
---	---	TETRAHEDRON
---	---	BOAT MAST
---	---	AVIGATION AREAS
---	---	RUNWAY MARKING

FEDERAL AVIATION ADMINISTRATION

TITLE: _____ DATE: _____

BY: CITY OF VENICE

TITLE: _____ DATE: _____

VNC RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS				
APPROACH VISIBILITY MINIMUMS	LENGTH (FEET)	INNER WIDTH (FEET)	OUTER WIDTH (FEET)	
VISUAL AND NOT LOWER THAN 1-MILE	1,700	500'	1,010'	

NOTE: RPZs ARE BASE ON THE FAA AC 150/5300-13A PARAGRAPH 310 (a THROUGH e).

	RUNWAY DECLARED DISTANCES				
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	
DECLARED DISTANCE:	RW 13-31	RW 13-31	RW 5	RW 23	RW 5-23
TORA	5,000'	SAME	5,000'	5,000'	SAME
TODA	5,000'	SAME	5,000'	5,000'	SAME
ASDA	5,000'	SAME	5,000'	4,840'	SAME
LDA	5,000'	SAME	5,000'	4,377'	SAME

REVISIONS BY

NO.	REVISION	BY	APP.	DATE
1	Update RW 23 Displaced Threshold Length	RRC	LM	1/10/12
2	Update RW 23 Approach to NPI	RRC	LM	12/10/13
3	Update TW A AND C	KBH	LM	05/15/15
4	Update RW 13-31, TW D AND EMAS	RRC	LM	09/07/16
5	Update Apron Pavements	RRC	MM	07/09/18
6	Update T-Hangars and REILS	RRC	TC	06/07/19
7	Update Taxiway D	RRC	TC	08/31/20
8	Update Taxiway E	RRC	KH	10/13/22



FINAL
 VENICE MUNICIPAL AIRPORT
 CITY OF VENICE, FLORIDA

AIRPORT
 LAYOUT PLAN

DRAWN:	CHKD:	DATE:	PROJECT NO.
WA/KA	LM/MG	06/28/2011	DY401.00

SHEET	
DY CONSULTANTS PLANNERS & ENGINEERS 401 FRANKLIN AVENUE, SUITE 316, GARDEN CITY, NY 11530 Tel No. (516) 625-9800 Fax No. (516) 625-9816	4 OF 15

Fee Summary

Task Description	Total Fees
Basic Services	
<u>Phase</u>	<u>Fee</u>
Program Verification	\$ 29,274.00
Design Development (30%)	\$ 55,694.00
Contract Documents (60%)	\$ 40,896.00
Contract Documents (90%)	\$ 32,815.00
Contract Documents (100%)	\$ 19,120.00
Bidding and Award Services	\$ 14,742.00
Construction Administration Services	\$ 56,874.00
Electrical Design and CA (Windsock)	\$ 10,022.00
Subtotal Total Basic Services (Lump Sum):	\$259,437.00
Special Services	
Topographic Surveys	\$ 11,565.00
Geotechnical Investigations	\$ 17,500.00
Prepare CATEX	\$ 1,874.00
Coordinate with FAA and FDOT	\$ 3,208.00
Grant Services	\$ 7,472.00
Airspace Checklist Submittal (OE/AAA), CSPP	\$ 4,856.00
Prepare and Submit Record Drawings	\$ 7,125.00
QA Testing During Construction (2 Months)	\$ 45,000.00
Subtotal Special Services (Lump Sum):	\$98,600.00
Resident Project Representative (RPR) Services (NTE)	
Resident Project Representative (NTE)	\$ 69,000.00
M&IE Total	\$ 4,899.00
Lodging	\$ 15,265.00
POV Mileage- Travel to/from Tampa	\$ 864.00
Subtotal RPR (NTE):	\$90,028.00
Reproduction (Lump Sum):	\$3,200.00
Total Fees (Lump Sum):	\$451,265.00

**WORK ASSIGNMENT NO #401-21-19 PURSUANT TO
THE JUNE 13, 2017, AGREEMENT BETWEEN THE
CITY OF VENICE, FLORIDA AND
AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**

WHEREAS, on **June 13, 2017**, the City of Venice, Florida (“OWNER”) and **American Infrastructure Development, Inc.** (“CONSULTANT”), entered into an Agreement whereby the CONSULTANT would perform professional services for the OWNER pursuant to an executed Work Assignment; and

WHEREAS, on **April 16, 2020**, the OWNER extended the Agreement for one (1) year to June 13, 2021; and

WHEREAS, on April 16, 2021, the OWNER extended the Agreement for one (1) additional year to June 13, 2022; and

WHEREAS, the OWNER wishes to authorize the CONSULTANT to perform professional services concerning the **Runway 13-31 Rehabilitation** project as more particularly described in the Scope of Services herein; and

WHEREAS, the CONSULTANT wishes to perform such professional services,

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the **June 13, 2017**, Agreement, and this Work Assignment, the parties agree as follows:

1. General description of the project: **Design, Permitting, and Bidding Services to Rehabilitate Runway 13-31 at Venice Municipal Airport.**
2. Scope of services to be performed: CONSULTANT shall perform the services described in the Scope of Services attached hereto as Attachment “A”.
3. Compensation to be paid: For performing the scopes of services specified in this Work Assignment, the CONSULTANT will be paid a not-to-exceed lump sum amount of **two hundred forty-seven thousand, four hundred sixty-nine dollars (\$247,469.00)**, as indicated in Attachment “B”.
4. Time for completion. CONSULTANT shall complete the scope of services specified in this Work Assignment within **two hundred forty (240) calendar days** from the date of this Work Assignment.

5. The terms and conditions of the **June 13, 2017**, Agreement shall remain in full force and effect until the completion of this Work Assignment.

IN WITNESS WHEREOF, the parties have executed this Work Assignment on the
12th day of April, 2022.

**AMERICAN INFRASTRUCTURE
DEVELOPMENT, INC.**



Sabina C. Mohammadi, President-CEO

ATTEST:



CITY CLERK

CITY OF VENICE, FLORIDA



Ron Feinsod, Mayor

WORK ASSIGNMENT 401-21-19

**RUNWAY 13-31 REHABILITATION (DESIGN)
VENICE MUNICIPAL AIRPORT**

INTRODUCTION

American Infrastructure Development, Inc. (AID) will provide Professional Engineering Services to the City of Venice (OWNER) for the design, permitting, and bidding of the rehabilitation of Runway 13-31 at the Venice Municipal Airport.

The existing runway consists of an un-grooved asphalt surface with various different pavement thicknesses, conditions, and construction types as a result of numerous improvement projects over the years. Portions of the pavement consist of WWII era PCC pavement overlaid with asphalt while newer sections consist of a limerock base with an asphalt surface course. The FDOT statewide airport pavement management program assigned the runway PCI values ranging from 61 to 90 (fair to satisfactory condition) and the runway is in need of rehabilitation to extend the useful life of the pavement. The Design Team (CONSULTANT) will design Runway 13-31 to meet all applicable Federal Aviation Administration (FAA) and Florida Department of Transportation (FDOT) criteria, prepare construction documents and assist the OWNER in bidding the project.



ATTACHMENT A SCOPE OF SERVICES



The project will consist of the rehabilitation of deteriorating pavements within the runway safety area as shown in the exhibit above. Newer pavements which include the runway extension southeast of Taxiway 'F' will be seal coated to preserve the integrity of the facility, while older pavements identified will be replaced by an asphalt mill and overlay. Additionally, the relocation of two lighted windsocks are included in this proposal to meet current FAA Siting Criteria. There are no anticipated runway lighting, NAVAID, safety area or shoulder grading improvements necessary as currently there are no deficiencies in these areas and the edge lighting has not yet reached the end of its useful life.

The estimated construction cost is \$3,200,000.

GENERAL SCOPE

AID will provide the following general services for this project:

- Management of the project throughout the Design, Permitting and Bid and Award Phase of the construction contract.
- Coordinate field services access to the airport and data collection.
- Coordination with Subconsultants.
- Coordination with the OWNER, the FDOT, and the FAA.
- Preparation of minutes of meetings.
- Design and preparation of the construction contract documents.
- Coordination with the OWNER on the front-end documents.
- Preparation of the Engineer's Report and construction cost estimates.
- Bidding and award assistance.

In addition, AID will provide the following professional services (Basic Services and Special Services) for the design and bidding phase of the project, which will include engineering design and bid document preparation.

DESIGN CRITERIA

This project will be designed according to the following technical criteria:

- FAA Advisory Circular AC 150/5300-13A – Change 1, "Airport Design"
- FAA Advisory Circular AC 150/5320-5D, "Airport Drainage Design"
- FAA Advisory Circular AC 150/5320-6F, "Airport Pavement Design and Evaluation"
- FAA Advisory Circular AC 150/5340-1M, "Standards for Airport Marking"
- FAA AC 150/5340-18G, Standards for Airport Sign Systems
- FAA Advisory Circular AC 150/5340-30J, "Design and Installation Details for Airport Visual Aids"
- FAA Advisory Circular AC 150/5345-44K, "Specification for Runway and Taxiway Signs"
- FAA AC 150/5345-46E, Specification for Runway and Taxiway Light Fixtures
- FAA AC 150/5345-47C, Specifications for Series to Series Isolation Transformers for Airport Lighting Systems
- AC 150/5345-53D, Airport Lighting Equipment Certification Program
- FAA AC 150/5370-2G, Operational Safety on Airports During Construction
- FAA AC 150/5370-10H, Standards for Specifying Construction of Airports

Construction drawings will be prepared in AutoCAD 2020 format.

BASIC SERVICES:

TASK 1: Program Verification

After receiving Notice to Proceed (NTP) from the OWNER, the CONSULTANT will initiate the project and perform the following tasks under this phase:

- Visit and visually inspect the site to determine exact limits of reconstruction.
- Coordinate and attend a pre-design meeting with the OWNER, FAA, and Tenants on project issues such as design alternatives, project phasing, construction staging, budget, and schedule.
- Prepare a preliminary Access, Phasing and Maintenance of Traffic Plan.
- Prepare a preliminary construction schedule considering weather and air traffic conditions.
- Meet and coordinate with geotechnical and survey subconsultants
- Obtain and Review Geotechnical boring information to determine acceptable repair depths and techniques
- Identify any additional information that may be required from field investigations or other agencies.

The task will also include one review meeting with the OWNER after the submittal of the Program Verification Report to receive comments on the report. Upon review and receipt of comments from the OWNER, the CONSULTANT will proceed with the 30% Design Development Document production.

Deliverables

CONSULTANT will submit an electronic copy (PDF) of a brief Program Verification Report which would outline the results and decisions made during Phase 1 to the OWNER for review.

TASK 2: 30% Design Development

Upon authorization by the OWNER, the CONSULTANT will proceed with development of 30% Design Development Documents. The CONSULTANT will review and analyze the survey and geotechnical data, visit the site to field-verify the survey information and address any comments received during the Program Verification Phase. To move the project design forward, the following tasks will be performed under this phase:

- Preliminary pavement design
- Evaluate night-time and day-time construction alternatives
- Prepare 30% Construction Drawings
- Update the construction cost estimate
- Update the construction schedule
- Prepare a Preliminary Engineer's Report
- Prepare a Specifications Outline

The task will also include one review meeting with the OWNER after the submittal of the 30% Documents to receive comments on the 30% Design Development Documents. Upon review and receipt of comments from the OWNER, the CONSULTANT will proceed with the 60% Level of Design.

Deliverables

The CONSULTANT will submit electronic copies of the 30% Level Construction Plans, Specifications Outline and Preliminary Engineer's Report to the OWNER for review. Upon receipt of review comments from the OWNER, the CONSULTANT will proceed with the 60% Contract Document production.

ATTACHMENT A SCOPE OF SERVICES



TASK 3: 60% Contract Documents

Upon authorization by the OWNER, the CONSULTANT will proceed with the development of the 60% Contract Documents, including updating the Construction Cost Estimate, Engineers Report, Drawings and Construction Schedule; and prepare Draft Technical Specifications.

Specifically, the following tasks will be performed under this phase:

- Finalize the pavement design
- Evaluate the construction sequence and update the phasing/maintenance of traffic plan
- Prepare 60% level drawings, which will include:
 - Cover Sheet
 - Project Site/Layout Plan
 - Project Key Sheet
 - General/Safety Notes Plan
 - Project Safety Plan and Notes
 - Project Phasing/Construction Sequencing/Maintenance of Traffic Plans and Details
 - Erosion Control Plans and Details
 - Paving Plans and Details
 - Pavement Marking Plans and Details
- Review and revise the Construction Cost Estimate
- Review and revise the Construction Schedule
- Update the Engineer's Report
- Prepare Draft Technical Specifications

The task will also include one review meeting with the OWNER after the submittal of the 60% Documents to receive comments on those Documents. Upon review and receipt of comments from the OWNER, the CONSULTANT will proceed with the 90% Level of Design.

Deliverables:

The CONSULTANT will submit electronic copies of the 60% Level Construction Plans, Draft Technical Specifications and Updated Engineer's Report to the OWNER for review. Upon receipt of review comments from the OWNER, the CONSULTANT will proceed with the 60% Level Contract Documents.

The CONSULTANT will also prepare and submit a Southwest Florida Water Management District (SWFWMD) permit application for approval by the agency. The fees associated with the permit application will be paid by the OWNER.

TASK 4: 90% Contract Documents

Upon approval of the 60% Contract Documents and authorization by the OWNER, the CONSULTANT will proceed with the development of the 90% Contract Documents including updating the Construction Cost Estimate, Engineers Report, Drawings, Construction Schedule, and Technical Specifications; and prepare Draft Project Manual which will include FAA and OWNER Front-End Documents.

CONSULTANT will prepare 90% Contract Documents deliverables, which will include:

- Finalize the construction sequence and update the Phasing/Maintenance of Traffic Plans
- Progress the 60% Contract Documents level drawings to 90% level of completion
- Review and revise the Construction Cost Estimate
- Review and revise the Construction Schedule
- Review and revise the Engineer's Report which will include the Construction Cost Estimate and Construction Schedule

ATTACHMENT A SCOPE OF SERVICES



- Review and revise the Technical Specifications
- Prepare Draft Project Manual which will include the FAA and OWNER Front-End Documents and the Technical Specifications

The task will also include one review meeting with the OWNER after the submittal of the 90% Documents to receive comments on those Documents. Upon review and receipt of comments from the OWNER, the CONSULTANT will proceed with production of 100% Contract Documents.

Deliverables

The CONSULTANT will submit two (2) printed copies of the 90% Contract Documents including Construction Drawings (one (1) full-size and two (2) 11"X17"), updated Engineer's Report and Draft Project Manual to the OWNER, FAA and FDOT for review. The CONSULTANT will meet with the OWNER, the FDOT, the FAA, and Tenants, as necessary to address any final comments regarding the construction of this project.

In addition, the CONSULTANT will submit electronic copies of the 100% Contract Documents to the OWNER.

TASK 5: 100% Contract Documents

Final revisions will be made during this task to the design documents and any comments from the OWNER, Tenants, SWFWMD, FAA and FDOT will be incorporated. A final submittal will be made to the OWNER and the Contract Documents will be finalized.

The task will also include one review meeting with the OWNER after the submittal of the 100% Documents to receive comments on those Documents. Upon review and receipt of comments from the OWNER, the CONSULTANT will proceed with the Bid and Award Services.

Deliverables: The CONSULTANT will submit two (2) printed copies of the 100% Contract Documents including Construction Drawings (11"X17"), updated Engineer's Report and updated Project Manual to the OWNER. The CONSULTANT will meet with the OWNER, the FDOT, the FAA, and Tenants, as necessary, to address any final comments regarding the construction of this project.

TASK 6: Bidding and Award Services

This phase will include the effort necessary to advertise for and receive bids from contractors, and to review the bids and make a recommendation of award to the OWNER and the FAA. The OWNER will advertise this project on DEMANDSTAR where interested bidders and plan rooms may download the bidding documents. The following tasks will be performed by the CONSULTANT during this phase:

- Prepare Issued for Bid Construction Documents
- Prepare for and attend the Pre-Bid Conference
- Address questions from Bidders
- Revise Contract Documents and assist OWNER with issuing Addenda
- Attend the Bid Opening Meeting
- Review all bids for responsiveness and accuracy
- Prepare certified Bid Tabs
- Make Recommendation of Award of the contract

Other Provisions

The OWNER will provide the CONSULTANT access to the site and all available information pertinent to this project, including access to as-built drawings and documents on underground utilities, lighting, pavements, and underground structures within the project limits.

ATTACHMENT A SCOPE OF SERVICES



The OWNER will provide access to pertinent information regarding airport property, boundary, easement, right-of-way, and other information necessary for this project.

SPECIAL SERVICES

In addition to the Basic Services described above, CONSULTANT will provide the following Special Services required under this contract:

- **Topographic Surveys** – Hyatt Survey will perform field surveys and investigations by a Registered Professional Surveyor to establish or verify boundaries and monuments and perform topographic surveys and deliver to the OWNER electronic (AutoCAD and PDF) and paper copy of all final surveys. See Attached D for survey scope of work.
- **Geotechnical Investigations** – AID will provide predesign geotechnical services as described below:
 - Perform a total of twenty (20) Pavement borings along Runway 13-31 each extending 5 feet below the existing ground surface or refusal depth;
 - Grout all borings to the surface;
 - Provide a brief review of the field procedures and results of the field and laboratory tests;
 - Provide field exploration plan or GPS coordinates indicating the approximate location of the borings;
 - Provided graphical representation of the subsurface conditions including pavement thicknesses, standard penetration resistance data and groundwater levels;
 - Provide general evaluation of the site considering the proposed project and encountered subsurface conditions;
 - Provide general design and construction criteria;

AD will prepare a Geotechnical Engineering Report of the findings and deliver to the OWNER a PDF copy of the report.

- **Prepare Categorical Exclusion (CATEX)** - The CONSULTANT will prepare a CATEX for the project. The OWNER will submit the CATEX to the FAA for approvals.
- **Coordination with FAA and FDOT** – CONSULTANT will coordinate, as necessary, with the FAA Airports District Office (ADO) and FDOT representatives to address any design and schedule related items and identify and facilitate approval of final documents.
- **Grant Services during Design** – The CONSULTANT will provide Grant assistance, during Design including Pre-Application, Grant Application, the preparation of Quarterly Grant Reports and Grant Closeout. In addition, the CONSULTANT will submit a new Grant Application for the Construction Phase of this project.

ATTACHMENT A SCOPE OF SERVICES



- **Airspace Submittal** – AID will prepare an Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) in conjunction with a Construction Safety and Phasing Plan (CSPP). The CONSULTANT will submit multiple points to clearly identify the different elements of the project, including construction staging areas, haul routes, and specific construction sites for FAA's review and approval.

Services Not Included

Any services not specifically provided for in the above scope as well as any changes in the scope requested by the OWNER will be considered additional services and will be included as an Amendment to the current Work Assignment. Additional services we can provide include, but are not limited to, the following:

- Threatened or endangered species' relocation and mitigation plans
- Preparation of Conformed Documents after Bidding
- Construction Administration Services
- Resident Project Representative (RPR) Services during Construction
- Quality Assurance Testing during Construction
- Electrical Lighting or Signage Design
- Safety Area Grading
- Landscaping

PROJECT SCHEDULE

All work required to be performed by the CONSULTANT pursuant to this Work Assignment shall be completed as shown below. The calendar days shown include agency or OWNER review time. It also takes into account the deadline for submitting the Grant Application for Construction in May of 2023.

Task Number	Calendar Days
Task 1 – Program Verification	45
Task 2 – 30% Design Development	60
Task 3 – 60% Contract Documents	30
Task 4 – 90% Contract Documents	30
Task 5 – 100% Contract Documents	15
Task 6 – Bidding and Award	60
TOTAL DURATION	240 Calendar Days

Fee Summary

Task Description	Total Fees
Basic Services	
Phase	Fee
Program Verification	\$ 29,274.00
Design Development (30%)	\$ 55,694.00
Contract Documents (60%)	\$ 40,896.00
Contract Documents (90%)	\$ 32,815.00
Contract Documents (100%)	\$ 19,120.00
Bidding and Award Services	\$ 14,742.00
Quantum Electrical Engineers - WindSock	\$ 7,253.00
Subtotal Total Basic Services (Lump Sum):	\$199,794.00
Special Services	
Topographic Surveys	\$ 11,565.00
Geotechnical Investigations	\$ 17,500.00
Prepare CATEX	\$ 1,874.00
Coordinate with FAA and FDOT	\$ 3,208.00
Grant Services	\$ 7,472.00
Airspace Checklist Submittal (OE/AAA), CSPP	\$ 4,856.00
Subtotal Special Services (Lump Sum):	\$46,475.00
Reproduction (Lump Sum):	\$1,200.00
Total Fees (Lump Sum):	\$247,469.00

ATTACHMENT B
Runway 13-31 Rehabilitation
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$218.00	\$186.00	\$162.00	\$133.00	\$104.00	\$95.00	\$79.00	

Program Verification

1	Compile and Review Project related Documents		2	20	40			4	66
2	Perform a Field Inspection		4	4				6	14
3	Field Verify As-Builts			8	20				28
4	Review and Confirm Initial Cost Estimates		2	4	8				14
5	Meet and Coordinate with the OWNER	2	2	2					6
6	Determine Number and locations of Cores		2	2					4
7	Meet and Coordinate with Subconsultants		2	2	4		2		10
8	Coordinate and Attend a Pre-Design Meeting	2	2	4				2	10
9	Prepare a Preliminary Construction Schedule		1	2					3
10	Review Field Survey and Geotechnical Info		4	6	12				22
11	Provide Reconstruction Recommendation		4	4	12			2	22
12	Identify Permit Requirements			2					2
Total Labor Hours:		4	25	60	96	0	0	16	201
Total Labor Costs:		\$872.00	\$4,650.00	\$9,720.00	\$12,768.00	\$0.00	\$0.00	\$1,264.00	\$29,274.00

Design Development (30%)

1	Perform a Site Visit to Verify Survey		3	16	16			4	36
2	Preliminary Pavement Design		2	4	8			8	22
3	Preliminary Phasing Analysis	2	3	16	40				58
4	Prepare 30% Drawings								0
	a. Cover Sheet			1	1	1	2		5
	b. Project Site/Layout Plan			1	2	1	6		10
	c. Project Key Sheet				1	2	2		5
	d. Phasing Plan			2	16	8	20		46
	e. Paving Plans		8	8	16	20	40		92
	f. Paving Details		2	2	2	4	8		18
	g. Misc. Details		2	4		4	8		18
5	Update Construction Cost Estimate		2	4			8		14
6	Update Construction Schedule		2	2	4	6		8	22
7	Prepare Preliminary Engineer's Report		2	8	16		4	8	38
8	Prepare outline of Technical Specifications			4	8			16	28
9	Quality Review	2	4	4			8	8	26
10	Submit 30% Documents				2		2	2	6
11	General Coordination with Owner	2	4						6
Total Labor Hours:		6	28	76	132	46	108	54	450
Total Labor Costs:		\$1,308.00	\$5,208.00	\$12,312.00	\$17,556.00	\$4,784.00	\$10,260.00	\$4,266.00	\$55,694.00

ATTACHMENT B
Runway 13-31 Rehabilitation
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$218.00	\$186.00	\$162.00	\$133.00	\$104.00	\$95.00	\$79.00	

Contract Documents (60%)

1	Finalize Pavement Design			4					4
2	Evaluate Construction Sequence and Phasing		2	4				2	8
3	Review Owner and other Comments		2	2		1	2		7
4	Prepare 60% Drawings								0
	a. Cover Sheet					1	2		3
	b. Project Site/Layout Plans				2	2	8		12
	c. Project Safety Plan		4		4	1	8		17
	d. Phasing/Construction Sequencing Plan		2	4		2	16		24
	e. General Notes Plan			2		1	4		7
	f. Project Key Sheet					1	4		5
	g. Paving Plans			2	4	16	40		62
	h. Pavement Marking Plans		2	2		1	40		45
	i. Marking Details			2		1	4		7
	j. Misc. Details			2		1	4		7
5	Update Construction Cost Estimate			2	8	1	2	2	15
6	Update Construction Schedule			2	8				10
7	Update Engineer's Report			4	8	1	4	16	33
8	Prepare Draft Front-End Documents			4				16	20
9	Prepare Draft Specifications			4	8			16	28
10	Quality Review	4	4					8	16
11	Submit 60% Documents		4		4	4	8	4	24
12	General Coordination with Owner	4	2						6
Total Labor Hours:		8	22	40	46	34	146	64	360
Total Labor Costs:		\$1,744.00	\$4,092.00	\$6,480.00	\$6,118.00	\$3,536.00	\$13,870.00	\$5,056.00	\$40,896.00

Contract Documents (90%)

1	Finalize Construction Cost Estimate			2	2		4		8
2	Finalize Construction Schedule			2					2
3	Finalize Engineer's Report			4	2			2	8
	Prepare 90% Drawings								0
	a. Cover Sheet					2	2		4
	b. Project Site/Layout Plan				4	2	6		12
	c. Project Safety Plan		4		8	2	16		30
	d. Phasing/Construction Sequencing Plan		4	16	2	2	16		40
	e. General Notes			4		2	2		8
	f. Project Key Sheet					2	2		4
	g. Paving Plans			2	4	8	4		18
	h. Construction Details			2	2	4	2		10
	i. Pavement Marking Plans		2	2	2	8	2		16
	j. Marking Details			2	2	4	2	2	12
	k. Misc. Details				2	2	2		6
4	Complete Front-End Documents			4	8			8	20
5	Complete Technical Specifications			4	8			8	20
6	Quality Review	4							4
7	Submit 90% Documents				2	2	1	4	9
8	General Coordination with Owner	8	16						24
Total Labor Hours:		12	26	44	48	40	61	24	255

ATTACHMENT B
Runway 13-31 Rehabilitation
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$218.00	\$186.00	\$162.00	\$133.00	\$104.00	\$95.00	\$79.00	

Total Labor Costs: \$2,616.00 \$4,836.00 \$7,128.00 \$6,384.00 \$4,160.00 \$5,795.00 \$1,896.00 \$32,815.00

Contract Documents (100%)

1	Incorporate Final Review Comments		4		12	16	40	16	88
2	Prepare Final Bid Documents	2	4	8	8	20	40	8	90

Total Labor Hours: 2 8 8 20 36 80 24 178

Total Labor Costs: \$436.00 \$1,488.00 \$1,296.00 \$2,660.00 \$3,744.00 \$7,600.00 \$1,896.00 \$19,120.00

Bidding and Award Services

1	Coordinate with Owner	4	8					4	16
2	Prepare for and Attend Pre-Bid Conference	4	4	8					16
3	Answers to Bidders/Issue Addenda		4	8	16			4	32
4	Attend Bid Opening	8		4				2	14
5	Review Bids for Responsiveness		4					4	8
6	Certified Bid Tabs/Award Contract		4					4	8

Total Labor Hours: 16 24 20 16 0 0 18 94

Total Labor Costs: \$3,488.00 \$4,464.00 \$3,240.00 \$2,128.00 \$0.00 \$0.00 \$1,422.00 \$14,742.00

Subconsultants

Quantum Electrical Engineers - WindSock \$7,253.00

Total Fees (Lump Sum): \$199,794.00

ATTACHMENT B
Runway 13-31 Rehabilitation
Venice Municipal Airport



TASK DESCRIPTION	Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Total Hours	Total Dollars
	\$218.00	\$186.00	\$162.00	\$133.00	\$104.00	\$95.00	\$79.00		

Special Services

1	Topographic Surveys									\$11,565.00
2	Geotechnical Investigations									\$17,500.00
1	Prepare CATEX		4	6				2	12	\$1,874.00
2	Coordinate with FAA and FDOT	2	4	4	8			4	22	\$3,208.00
3	Grant Services		8	24		8		16	56	\$7,472.00
4	Airspace Checklist Submittal (OE/AAA), CSPP		4	16			16		36	\$4,856.00
	Total Labor Hours:	2	20	50	8	8	16	22	126	
	Total Labor Costs:	\$436.00	\$3,720.00	\$8,100.00	\$1,064.00	\$832.00	\$1,520.00	\$1,738.00	\$17,410.00	

Total Special Services Fees (Lump Sum):

\$46,475.00

January 12, 2022

American Infrastructure Development, Inc.
Mr. Mohsen Mohammadi P.E.
Principal
3810 Northdale Blvd., Suite 170
Tampa, FL 33624

Subject: Electrical Engineering Design Services Fee Proposal for the Venice Runway 13-31 Windsock Relocation Project.

Dear Mohsen,

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide American Infrastructure Development, Inc. (AID) an electrical engineering services fee proposal for Venice Municipal Airport Windsock Relocation Project for (2) wind cones and based on information provided by AID on 10/03/20.

The following tasks are included in our scope of services:

Task 1 – Design Services

- Includes design coordination meetings with the Airport, FAA, FDOT and AID Design Team.
- Includes record drawing reviews, on-site electrical verifications, and visual assessment of existing conditions.
- Includes all electrical calculations. The design shall be per Airport requirements, FAA, NEC and County codes & standards criteria.
- Includes airfield lighting electrical plans reflecting new/relocated wind cones, new cable & conduit systems, and installation details.
- Includes relocation of (2) existing wind cones.
- AID shall provide wind cone locations to QUANTUM.

Task 2- Bid and Award

- Includes virtual attendance of the Pre-Bid Meeting
- Includes Addenda revisions and any RFI/permitting comment revisions.
- Includes review of bid pricing results and electrical recommendation.

Assumptions and Exclusions

- AID shall provide all base drawings to QUANTUM on AutoCAD 2018 or higher.
- QUANTUM shall provide 1- electronic set of electrical design documents & specifications & cost estimates to AID for 60%, 90% and 100% reviews and bid electrical plans to AID.

- QUANTUM shall provide all FAA specifications, electrical bid line items, quantities, and cost estimates.
- AID shall provide all printing of Plans & Specifications for reviews, bid phases, permits and construction phases to the Airport.
- Does not include Construction Administration Services.

Our proposed Lump-Sum fee for Task 1 is:	\$ 6,283.00
Our proposed Lump-Sum fee for Task 2 is:	<u>\$ 970.00</u>
Our proposed total Lump-Sum fee is:	\$ 7,253.00

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE
President

**AMENDMENT NO. 1 TO WORK ASSIGNMENT NO #401-21-19 PURSUANT TO
THE OCTOBER 28, 2022, AGREEMENT BETWEEN THE
CITY OF VENICE, FLORIDA AND
AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**

WHEREAS, on **October 28th, 2022**, the City of Venice, Florida (“OWNER”) and **American Infrastructure Development, Inc.** (“CONSULTANT”), entered into an Agreement whereby the CONSULTANT would perform professional services for the OWNER pursuant to an executed Work Assignment; and

WHEREAS, the OWNER wishes to authorize the CONSULTANT to perform professional services concerning the **Runway 13-31 Rehabilitation** project as more particularly described in the Scope of Services herein; and

WHEREAS, the CONSULTANT wishes to perform such professional services,

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the **October 28, 2022** Agreement, as amended on **April 12, 2022**, and Work Assignment No. **401-21-19**, the parties agree as follows:

1. General description of Amendment No. 1. **Provide Construction Administrative and Resident Project Representative (RPR) Services during construction for the Runway 13-31 project at Venice Municipal Airport.**
2. Scope of services to be performed: CONSULTANT shall perform the services described in the Scope of Services attached hereto as Attachment “A”.
3. Compensation to be paid: **For the additional Construction Phase Services as set forth in Exhibit A, the CONSULTANT will be paid an additional Not To Exceed Sum amount of Two Hundred and Three Thousand, Seven Hundred Ninety-Six and .00/100’s dollars (\$203,796.00), as indicated in Exhibit B.**
4. Time for completion. CONSULTANT shall complete the scope of services specified in this Work Assignment within *one hundred sixty (160) calendar days* from the date of this Work Assignment.
5. The terms and conditions of the **October 28, 2022**, Agreement as amended, shall remain in full force and effect until the completion of this Work Assignment.

IN WITNESS WHEREOF, the parties have executed this Amendment No. 1 to Work Assignment No. 401-21-17 on the _____ day of _____, 2022.

**AMERICAN INFRASTRUCTURE
DEVELOPMENT, INC.**

Sabina C. Mohammadi, President-CEO

ATTEST:

CITY OF VENICE, FLORIDA

CITY CLERK

Nick Pachota, Mayor

**ATTACHMENT A
SCOPE OF SERVICES**



WORK ASSIGNMENT 401-21-19
Amendment No. 1

RUNWAY 13-31 REHABILITATION (CA)
VENICE MUNICIPAL AIRPORT

INTRODUCTION

American Infrastructure Development, Inc. (AID) will provide Professional Engineering Services to the City of Venice (OWNER) for the design, permitting, and bidding of the rehabilitation of Runway 13-31 at the Venice Municipal Airport. Tasks 1 thru 6 included the Design, Bidding, and Award Services for this contract. This scope of work includes the following additional tasks to that Work Authorization.

TASK 7: Construction Administration

AID will perform the following tasks under this phase:

1. Coordinate with the Owner, tenants, and project team members throughout the duration of procurement, construction, and closeout of the project.
2. Prepare for and participate in a pre-construction conference.
3. Review and approve or take other appropriate action upon review of the shop drawings, samples, and other submissions furnished by the Contractor and submitted to AID. AID shall determine if the shop drawings, samples, and other submissions reasonably conform to the design of the project and the requirements of the contract documents. Such action(s) shall be taken with reasonable promptness so that the progress of the construction of the project will not be delayed. AID will maintain a log of all Contractor submittals, which shall include the submittal date, the action taken, and the date returned to the Contractor.
4. Prepare for and participate in weekly on-site construction meetings. AID will prepare the meeting agenda and record meeting minutes for each meeting. AID will have one on-site representative at the construction meetings and additional personnel via teleconference as needed.
5. Perform periodic site visits and inform the Owner of any deviation from the contract documents or the Contractor's construction schedule observed by or brought to the attention of AID. On the basis of its on-site observations, AID will keep the Owner informed as to the progress and quality of the work and will endeavor to protect the Owner against defects and deficiencies in the work completed by the Contractor. However, AID shall not have control or be in charge of and shall not be responsible for construction means, methods, techniques, sequences, or procedures or for the safety precautions and programs in connection with the project construction. Further, AID will notify the Owner of any such act, omission, or failure on the part of the Contractor observed by AID during on-site visits.
6. Assist in preparing routine change orders and assess the justification for such change orders, as required.
7. Review test results provided by the Contractor and the Owner.
8. Review Contractor's monthly applications for payment and supporting data; review the amount owed to Contractor and approve in writing payments to Contractor in accordance with the contract documents, and review and coordinate weekly certified payrolls with the Airport.
9. Provide design clarifications and recommendations to assist the Owner in resolving field problems relating to construction. AID will receive, review, and respond to all the Contractor Requests for

ATTACHMENT A SCOPE OF SERVICES



Information (RFI's) and issue clarification as necessary through Engineer's Supplemental Instructions (ESI's).

10. Perform, together with the Owner, one (1) inspection of the construction site to determine if the project is substantially complete, and a final inspection to determine if the project has been completed in accordance with the contract documents, and if each contractor has fulfilled all of its obligations thereunder, so that AID may approve in writing, if applicable, final payment to the Contractor.
11. Assist in receiving from the Contractor, and forwarding to the Owner, written warranties, and related documents assembled for the project.

To avoid misunderstandings, AID understands and agrees that the Owner shall have responsibility for the general administration of the construction contract. Accordingly, AID shall not have the authority or responsibility to issue direct instructions to the Contractor on work stoppage authorizations that are contractually obligated to the Owner, or to require special inspections and/or tests. However, AID shall provide continuing counsel to the Owner throughout the construction of the project.

Deliverables:

AID will submit reports, minutes of meetings, and MS Word and MS Excel files as applicable.

SPECIAL SERVICES

In addition to the Basic Services described above, CONSULTANT will provide the following Special Services required under this contract:

1. Resident Project Representative (RPR) – AID will provide full-time on-site representative(s) to perform daily inspections and witness the construction progress throughout the duration of the project. The RPR will provide the following services:
 - Daily inspection reports.
 - Oversee and witness quality control testing activities.
 - Review field test results.
 - Attend daily and weekly coordination meetings.
 - Coordinate with the EOR on the interpretation of the contract documents.
2. Quality Assurance Materials Testing – AID will provide on-site laboratory representatives through its subconsultant, Tierra, Inc. to perform materials testing, as needed. This will include, but is not limited to the following items:
 - P-401 Density and Laboratory Sampling during Paving Operations;
 - P-401 Profilograph Testing;
 - P-620 Reflectometer Readings;

**ATTACHMENT A
SCOPE OF SERVICES**



PROJECT SCHEDULE

All work required to be performed by the CONSULTANT pursuant to this Work Assignment shall be completed as shown below. The calendar days shown include agency or OWNER review time. It also takes into account the deadline for submitting the Grant Application for Construction in May of 2023.

Task Number	Calendar Days
Task 7 – Construction Administration	160
TOTAL DURATION	160 Calendar Days

ATTACHMENT B
 Runway 13-31 Rehabilitation
 Venice Municipal Airport
 CONSTRUCTION ADMINISTRATION AND RPR SERVICES



Fee Summary

Task Description	Total Fees
Basic Services	
Construction Administration Services	\$ 56,874.00
Electrical CA (Windsock)	\$ 2,769.00
Subtotal Total Basic Services (Lump Sum):	\$59,643.00
Special Services	
Prepare and Submit Record Drawings (LS)	\$ 7,125.00
QA Testing During Construction (NTE)	\$ 45,000.00
Subtotal Special Services (Lump Sum and NTE):	\$52,125.00
Resident Project Representative (RPR) Services (NTE)	
Resident Project Representative (NTE)	\$ 69,000.00
M&IE Total	\$ 4,899.00
Lodging	\$ 15,265.00
POV Mileage- Travel to/from Tampa	\$ 864.00
Subtotal RPR (NTE):	\$90,028.00
Reproduction (Lump Sum):	\$2,000.00
Total Fees (Lump Sum):	\$203,796.00

ATTACHMENT B
Runway 13-31 Rehabilitation
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$310.00	\$221.00	\$182.00	\$143.00	\$117.00	\$97.00	\$85.00	

Task 7 - Construction Administration Services

1	Coordinate with Owner		16	4				6	26
2	Coordinate with Design Team		16	10		20		6	52
3	Prepare Construction Management Plan		4	10				10	
4	Prepare for and Attend Pre-Construction Conf		4	4				4	12
5	Review Shop Drawings/Submittals		8	16				4	28
6	Site Visits (1 per month)			8				6	14
7	Weekly Progress Meetings		12		24				36
8	Prepare Change Orders		8	16				16	40
9	Review Test Results			8				4	12
10	Review Periodic Payment Requests			8				10	18
11	Provide ESI's, Design Clarifications and respond to RFI's			12	12	20		8	52
12	Perform Final Inspection/Prepare Punchlist		8	8				4	20
13	Assist Closeout Process			2	16			24	42
	Total Labor Hours:	0	76	106	52	40	0	102	376
	Total Labor Costs:	\$0.00	\$16,796.00	\$19,292.00	\$7,436.00	\$4,680.00	\$0.00	\$8,670.00	\$56,874.00

Subconsultants

Electrical CA (Windsock) \$2,769.00

Total Fees (Lump Sum): \$59,643.00

ATTACHMENT B
Runway 13-31 Rehabilitation
Venice Municipal Airport



TASK DESCRIPTION	Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Total Hours	Total Dollars
	\$310.00	\$221.00	\$182.00	\$143.00	\$117.00	\$97.00	\$85.00		

Special Services

2	Prepare and Submit Record Drawings		2	4		40		15	61	\$7,125.00
2	QA Testing During Construction (2 Months)									\$45,000.00
	Total Labor Hours:	0	2	4	0	40	0	15	61	
	Total Labor Costs:	\$0.00	\$442.00	\$728.00	\$0.00	\$4,680.00	\$0.00	\$1,275.00	\$7,125.00	

Total Special Services Fees (Lump Sum and NTE):

\$52,125.00

**Exhibit B
Fees**

Resident Project Representative (RPR) Services (NTE)

Item #

1	Approximate Start:	1/15/2024
2	Approximate End:	3/26/2024
3	Inspector Calendar Days:	71
4	Inspector Working Days:	50

		<u>Days</u>	<u>Rate/Hour</u>	<u>Hours/Day</u>	
5	Resident Project Representative (NTE)	50	\$138.00	10	\$69,000.00

		<u>Days</u>	<u>Rate/Day</u>		
6	M&IE Total	71	\$69.00		\$4,899.00

		<u>Days</u>	<u>Rate/Day</u>		
7	Lodging	71	\$215.00		\$15,265.00
		<u>trips</u>	<u>roundtrip mileage</u>	<u>mileage rate</u>	
12	POV Mileage- Travel to/from Tampa	6	200	0.72	\$864.00

Total Estimate: \$90,028.00

May 5, 2023

American Infrastructure Development, Inc.
Mr. Kyle Holley., P.E.
Vice President
3810 Northdale Blvd., Suite 170
Tampa, FL 33624

Subject: Electrical Construction Administration Services Fee Proposal for the Venice Municipal Airport (Airport) (VNC) RW 13-31 Rehabilitation-Windsock Replacement Construction Administration (CA) Services

Dear Kyle,

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide American Infrastructure Development, Inc. (AID) an electrical construction administration services fee proposal for the VNC 13-31 Rehabilitation - Windsock Replacement Project. The following tasks are included in our scope of services:

- Attend the virtual pre-construction meeting with Venice, Contractor and AID Team.
- Includes preparation of conformed documents for construction.
- Includes electrical submittal(s) reviews and approvals.
- Includes (2) virtual construction progress meetings with Airport, Contractor and AID Team.
- Includes (1) on-site visit during the construction period.
- Includes request for information (RFI) reviews and responses.
- Includes change order reviews and comments.
- Includes (1) on-site visit for final completion inspection and review of electrical punch list items.
- Includes review of Contractor "Red Line Plan Mark-ups" (As-Builts) And creation of Record Drawings based on Contractor "Red Line Plan Mark-ups."
- QUANTUM to provide Record Drawings to AID in AutoCAD 2022 and PDF Format.

Our proposed total Lump-Sum fee is:

\$ 2,769.00

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE
President

WORK ASSIGNMENT NO. 401-21-16
PURSUANT TO THE JUNE 13, 2017,
AGREEMENT BETWEEN THE CITY OF
VENICE, FLORIDA AND

AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.

WHEREAS, on **June 13, 2017**, the City of Venice, Florida (“OWNER”) and **American Infrastructure Development, Inc.** (“CONSULTANT”), entered into an Agreement whereby the CONSULTANT would perform professional services for the OWNER pursuant to an executed Work Assignment; and

WHEREAS, on **April 16, 2020**, the OWNER extended the Agreement for one (1) year to June 13, 2021; and

WHEREAS, on **April 16, 2021**, the OWNER extended the Agreement for one (1) year to June 13, 2022; and

WHEREAS, the OWNER wishes to authorize the CONSULTANT to perform professional services concerning **Runway 13-31** as more particularly described in the Scope of Services herein; and

WHEREAS, the CONSULTANT wishes to perform such professional services,

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the **June 13, 2017** Agreement, as amended, and this Work Assignment, the parties agree as follows:

1. General description of the project: **The OWNER intends to complete the Camera Inspection and Cleaning of Pipes under Runway 13-31 at Venice Municipal Airport (VNC).**
2. Scope of services to be performed: CONSULTANT shall perform the services described in the Scope of Services attached hereto as Exhibit “A”.
3. Compensation to be paid: **For performing the scope of services specified in this Work Assignment, the CONSULTANT will be paid a LUMP SUM amount of Thirty-Four Thousand Forty-Two dollars and .00/100’s (\$34,042.00), as indicated in Exhibit “B”.**
4. Time for completion. CONSULTANT will complete this project based on the estimated schedule as set forth in Exhibit “A”.

5. The terms and conditions of the **June 13, 2017** Agreement, as amended, shall remain in full force and effect until the completion of this Work Assignment.

IN WITNESS WHEREOF, the parties have executed this Work Assignment on the

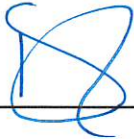
8th day of February, 2021.

**AMERICAN INFRASTRUCTURE
DEVELOPMENT, INC.**

Sabina C. Mohammadi

Sabina C. Mohammadi, President-CEO

ATTEST:



CITY CLERK

CITY OF VENICE, FLORIDA



Ron Feinsod, Mayor

**EXHIBIT A
SCOPE OF SERVICES**



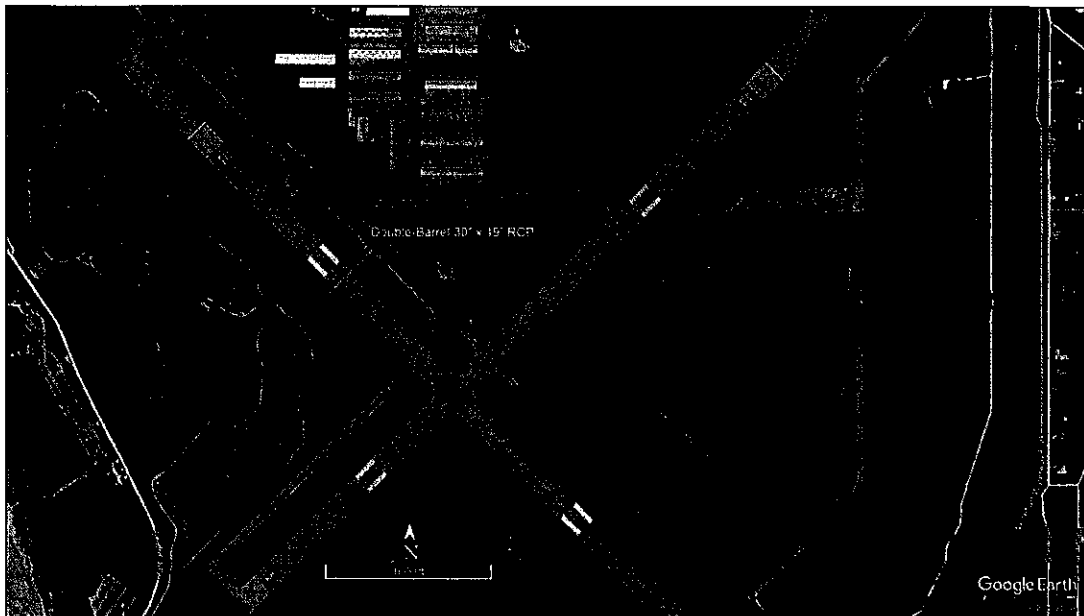
WORK ASSIGNMENT No. 401-21-16

**CAMERA INSPECTION AND CLEANING OF PIPES UNDER RUNWAY 13-31 AT
VENICE MUNICIPAL AIRPORT (VNC)**

Scope of Services

American Infrastructure Development, Inc. CONSULTANT will provide Professional Consulting services as requested by the City of Venice, Florida (“OWNER”) at Venice Municipal Airport (VNC). The CONSULTANT will provide the following services for the project:

- Coordinate with the OWNER and Subconsultant Sewer Viewer, Inc. to complete the inspections by means of CCTV, and clean the Double-Barrel 30” x 19” RCP bisecting Runway 13-31 at a point about 1,875 feet south of Runway 13 end.
- Review the videos and photos collected in the field and provide a recommendation of repairs for any damaged pipe sections.



Deliverable

The CONSULTANT will submit pertinent information related to the pipe inspection and cleaning in a letter report to the OWNER.

Schedule

After receiving the Notice to Proceed (NTP) from the OWNER, the CONSULTANT will initiate the project. All work required to be performed by the CONSULTANT pursuant to this Work Assignment shall be completed within thirty (30) calendar days of receiving the NTP.

EXHIBIT B
CAMERA INSPECTION AND CLEANING OF PIPES UNDER RUNWAY 13-31
VENICE MUNICIPAL AIRPORT



FEE SUMMARY

TASK	Totals
<u>Basic Services (Lump Sum)</u>	
CCTV Pipe Inspection and Cleaning	\$34,042.00
<u>Total Fees (Lump Sum):</u>	
	\$34,042.00

EXHIBIT B
CAMERA INSPECTION AND CLEANING OF PIPES UNDER RUNWAY 13-31
VENICE MUNICIPAL AIRPORT



	Project Principal	Project Manager	Senior Engineer	Clerical	Totals
	\$214.00	\$184.00	\$162.00	\$78.00	

CCTV Pipe Inspection and Cleaning

1 Coordination		1		1	2
2 Site Visit		1			1
3 Compile and Review Collected Data/Photos		1			1
4 Prepare Letter Report of Findings		1		1	2
Total Labor Hours:	0	4	0	2	6
Total Labor Costs:	\$0.00	\$736.00	\$0.00	\$156.00	\$892.00
 5 CCTV Pipe Inspection and Cleaning (Sewer Viewer, Inc.)					 \$33,150.00
					\$34,042.00

Vendor Quote Form

Please mark to indicate new vendor

New Vendor

\$3,000-\$10,000

\$10,000-\$75,000

\$75,000 +

Date

Requisition #

Project Code

Vendor name & Vendor #	Description & Item Number	QTY	Quote Amount
American Infrastructure Development, Inc. #24254	Cleaning Pipes under Rwy 13/31 WA #401-21-16	1	\$ 34,042.00
			\$
			Account #
			\$
			Account #
			\$
			Account #
			\$
			Account #
			\$
			Account #

Contact Person

Phone #

Fax #

Email address

Vendor Quote Form

Any item that may be a "sole source" please provide a letter from the manufacturer stating as much and fill out in the description area why this item is necessary.

DIRECTIONS

Less than \$3,000: minimum one verbal quote, with written record of

\$3,000.00 to \$10,000: minimum three verbal quotes or documentation of "no-bid or no-quote" w/form.

\$10,000.00 to \$75,000: minimum three written quotes or documentation of "no-bid or no-quote" with the finance director's approval

\$75,000 to \$150,000: minimum three written quotes or documentation of "no-bid or no-quote" with the city manager's approval

Over \$150,000: formal bid or request for proposals with city council's approval

Any and all verbal quotes (with written record) and the three quote forms (or documentation of "no-bid" or "no-quote") are to be sent to the purchasing department for record keeping with the purchase's paperwork.

Please provide a brief description of why you chose this vendor:

Engineer of Record.

Signatures

Department

Airport

Name - Wendy Keller
Print Wendy Keller

Date - 2/14/2022

Supervisor - Mark Cervasio
Print Mark Cervasio

Date - 2/14/22

Purchasing - _____
Print _____

Date - _____

Finance - _____
Print _____

Date - _____



MEMORANDUM City of Venice

Airport

TO: Ed Lavallee, City Manager

THROUGH: Wendy Keller, Airport Property & Grants Manager

FROM: Mark J. Cervasio, Airport Director

DATE: February 2, 2022

COUNCIL APPROVAL: No

MEETING DATE: Click or tap to enter a date.

STRATEGIC PLAN GOAL: Upgrade and Maintain City Infrastructure and Facilities

SUBJECT: Authorize the Mayor to Execute Work Assignment No. 401-21-16 with American Infrastructure Development, Inc. in the amount of \$34,042 to provide professional services for the Cleaning of Pipes under Runway 13-31 project at Venice Municipal Airport.

Background: In May of 2021 a depression was noticed across Runway 13-31. It was determined it was in the location of 2 underground drainage pipes that are 30 inches in diameter and 600 feet long. Sewer Viewer was hired in mid-June to inspect the pipes by using CCTV Technology and it was determined that the pipes were filled with silt and would require cleaning prior to inspection. This was going to be a more expensive project than originally anticipated. Work halted to monitor the Runway, but during that time a Pilot reported the depression while landing on the runway. We decided to engage Sewer Viewer to perform the pipe cleaning and inspections since this had become more critical and was considered an emergency situation.

Staff has negotiated a work assignment with American Infrastructure Development, Inc. (AID), an engineer of record, for \$34,042 to provide professional services concerning Runway 13-31.

The funding for this project will be paid out of restricted funding by the Airport and will be reimbursed by FAA once the grant is in place for design and construction of the scheduled Rehabilitation of Runway 13-31 scheduled for this year.

The estimated total cost for the design and construction of the Runway Project is \$4,414,000, with FAA participation at 90% (\$3,972,600) and FDOT participation at 5% (\$220,700). The Airport Fund will be responsible for the remaining 5% (\$220,700).

Requested Action: Staff requests the Mayor execute Work Assignment No. 401-21-16 between the City of Venice and AID.

If for an agenda item, this document and any associated backup created by City of Venice staff has been reviewed for ADA compliance: N/A

City Attorney Review/Approved: Yes

Risk Management Review: Yes

Finance Department Review/Approved: No

Funds Availability (account number): 401-0970-542.63-00

ORIGINAL(S) ATTACHED: Two (2) Work Assignment NO. 401-21-16.

Cc: N/A

**WORK ASSIGNMENT NO. 401-19-10 PURSUANT TO
THE JUNE 13, 2017 AGREEMENT BETWEEN THE
CITY OF VENICE, FLORIDA AND
AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**

WHEREAS, on **June 13, 2017**, the City of Venice, Florida (“OWNER”) and **American Infrastructure Development, Inc.** (“CONSULTANT”), entered into an Agreement whereby the CONSULTANT would perform professional services for the OWNER pursuant to an executed Work Assignment; and

WHEREAS, the OWNER wishes to authorize the CONSULTANT to perform professional services concerning the **Aeronautical Survey** as more particularly described in the Scope of Services herein; and

WHEREAS, the CONSULTANT wishes to perform such professional services,

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the **June 13, 2017**, Agreement and this Work Assignment, the parties agree as follows:

1. General description of the project: **Aeronautical Survey for the newly extended Runway 13/31 instrument approaches.**
2. Scope of services to be performed: CONSULTANT shall perform the services described in the Scope of Services attached hereto as Attachment “A”.
3. Compensation to be paid: **For performing the scope of services specified in this Work Assignment, the CONSULTANT will be paid a Lump Sum, Not-To-Exceed amount, of fifty four thousand nine-hundred fifty eight dollars & 00/100 (\$54,958.00) as identified in Attachment “B”.**
4. Time for completion. CONSULTANT shall complete the scope of services specified in this Work Assignment within *two hundred forty (240) calendar days* from the execution date of this Work Assignment or Notice to Proceed, whichever is later, as prescribed in Attachment A.
5. The terms and conditions of the **June 13, 2017**, Agreement shall remain in full force and effect until the completion of this Work Assignment.

IN WITNESS WHEREOF, the parties have executed this Work Assignment on the

20th day of December, 2019.

AMERICAN INFRASTRUCTURE

DEVELOPMENT, INC.




Sabina C. Mohammadi, President-CEO

ATTEST:



CITY CLERK

CITY OF VENICE, FLORIDA



Ron Feinsod, Mayor

**ATTACHMENT A
SCOPE OF SERVICES**



WORK ASSIGNMENT No. 401-19-10

**AERONAUTICAL SURVEY
AT
VENICE MUNICIPAL AIRPORT**

Scope of Services

The CONSULTANT will provide Professional Consulting services as requested by the City of Venice, Florida (“OWNER”) at Venice Municipal Airport (VNC) to conduct an Airports Geographical Information Systems (AGIS) survey and verify obstructions for the newly extended Runway 13/31 approaches. Woolpert, Inc. will provide geospatial services and complete the AGIS survey in accordance with the proposal provided by Woolpert and included in Attachment C. AID will provide the following services for the project:

- Coordination with the City of Venice
- Coordination with the FAA Orlando District Office
- Develop Runway 13/31 Obstruction Exhibits
- Coordination with FAA AGIS Department / AGIS Upload

Schedule

After receiving the Notice to Proceed (NTP) from the OWNER, the CONSULTANT will initiate the project. All work required to be performed by the CONSULTANT pursuant to this Work Assignment shall be completed within two hundred forty (240) calendar days of receiving the NTP.

ATTACHMENT B
AERONAUTICAL SURVEY
VENICE MUNICIPAL AIRPORT



TASK	Project Principal	Project Manager	Senior Engineer	Planner/Engineer	Senior Designer	Totals
	\$206.00	\$181.00	\$157.00	\$127.00	\$90.00	

Task 1 Aeronautical Survey

1 Agency Coordination		6	10			16
2 Obstruction Exhibits		2		8	8	18
3 AGIS Upload		2	8			10
Total Labor Hours:		10	18	8	8	44
Total Labor Costs:		\$1,810.00	\$2,826.00	\$1,016.00	\$720.00	\$6,372.00

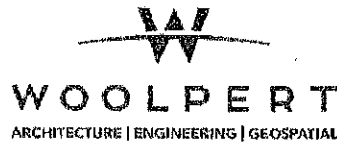
Subconsultant - Woolpert, Inc.

1 Vertically Guided Survey						\$ 48,586
----------------------------	--	--	--	--	--	-----------

Total Fee (Lump Sum):

\$54,958.00

ATTACHMENT C



October 24, 2019

Mohsen Mohammadi, Ph.D., P.E.
Principal-American Infrastructure Development, Inc.
3810 Northdale Blvd., Suite 170
Tampa, FL 33624

RE: Proposal: Aeronautical Survey at Venice Municipal Airport (VNC), located in Venice, Florida

Dear Mr. Mohammadi:

We appreciate the opportunity to provide a proposal for supporting American Infrastructure Development (AID) with geospatial services at the Venice Municipal Airport (VNC). The fee and bulleted list of scope functions is understood to be completed in accordance with the FAA Advisory Circulars 150/5300-16A, -17C, and -18B, change 1, 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 VNC Airport requests an obstruction survey following Instrument Procedure Development (IPD) survey requirements as shown in Attachment A of this proposal. This project will include an Airport Airspace Analysis Survey (AAAS) of the newly extended Runway 13/31 Approaches. The AAAS for this project will follow the standards for a Vertically Guided Runway survey.

The tasks for this IPD survey include:

- Assist the airport in initiating the AGIS projects necessary for the completion of this project on the AGIS web portal.
 - Develop SOW and plans as required
 - A safety critical project will be established for the airspace analysis component of this survey.
- VNC does possess Primary and Secondary Airport Control Station (PACS/SACS). These marks will be utilized as the basis of control in accordance with AC 150/5300-16A.
- Establish photogrammetric control and collect stereo imagery covering the surface area defined by the Vertically Guided Runway standards and shown in Attachment "A".
 - Estimated 15 control points and 5 check points

Woolpert, Inc.
4454 Idea Center Boulevard
Dayton, OH 45430-1500
937.461.5660

- Collect imagery at an equivalent imagery scale of 1"=800', producing a ground-sample distance of 0.5'.
- 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 (within 10 NM of ARP) including the associated perpendicular points
- Obstruction analysis for objects penetrating the Vertically Guided surfaces
- Development of new ortho-photography
 - Pixel resolution of 0.5-feet over Imagery 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 achieve instrument approach procedure development
- Develop the final reports to AGIS
 - Imagery Acquisition Report
 - Final Project Report

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 GIS (<http://airports-gis.faa.gov>). The data file will be delivered in AutoCAD Map 3D (.dwg) format. The digital deliverable will be provided to the airport, AID, and the FAA through the AGIS website.

Deliverable Listing

1. Establishment of AGIS Project
2. Statement of Work & Survey Work/Quality Control Plans to AGIS
3. Final Surveyor's Report & Imagery Report to AGIS
4. AGIS data file for completion of safety critical AGIS projects
5. Orthophotography

Woolpert, Inc.
4454 Idea Center Boulevard
Dayton, OH 45430-1500
937.461.5660

Fee Estimate Breakdown

Tasks	Fee Estimate
Task 01: Vertically Guided Survey =	\$48,586

Woolpert estimates the entire project to take 6 months from the ability to acquire leaf-on imagery to the date of delivery to the final data file to the Airports GIS website. The proposed fee estimates are valid for ninety (90) days from proposal date.

Please don't hesitate to contact me to discuss any comments or questions you may have (937.531.1631).

Sincerely,



Woolpert, Inc.
Eric Risner, PS
Aviation Project Manager
Senior Associate



Woolpert, Inc.
Thomas E. Mackie, PS
Aviation Project Director
Vice President

Exhibit A: Table 2-1 Project Requirements

Table 2-1. Survey Requirements Matrix

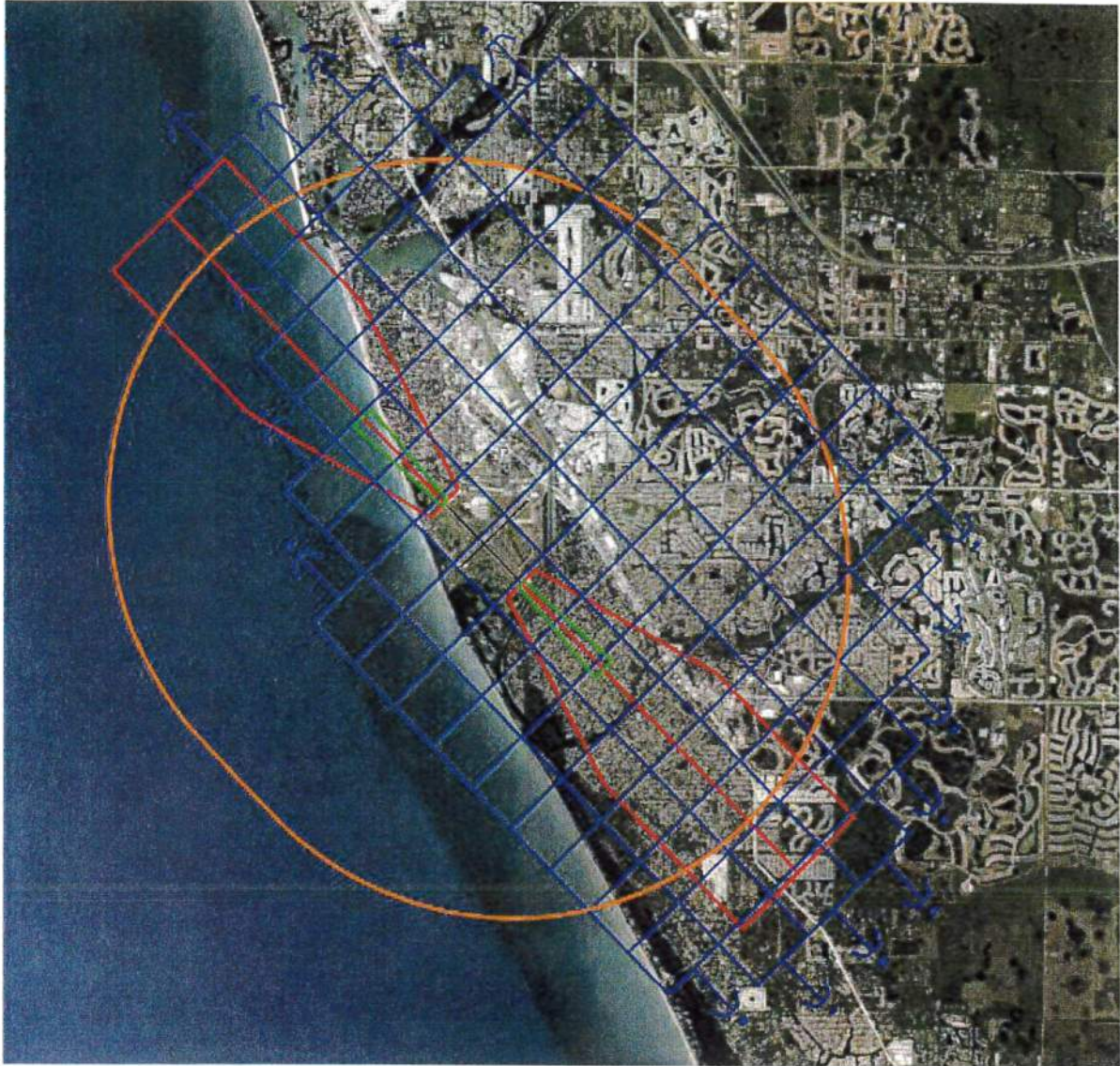
Intended Use of the Data ¹	AC Reference	Instrument Procedure Development
Required Tasks ²		
Provide a Survey and Quality Control Plan	150/5300-16/17/18	*
Establish or validate Airport Geodetic Control	150/5300-16	*
Perform, document and report the tie to National Spatial Reference System (NSRS)	150/5300-16	*
Survey runway end(s)/threshold(s)	150/5300-18	*
Monument runway end(s)/threshold(s)	150/5300-18	*
Document runway end(s)/threshold location(s)	150/5300-18	*
Identify and survey any displaced threshold(s)	150/5300-18	*
Monument displaced threshold(s)	150/5300-18	*
Document displaced threshold(s) location	150/5300-18	*
Determine or validate runway length	150/5300-18	*
Determine or validate runway width	150/5300-18	*
Determine runway profile using 50 foot stations	150/5300-18	*
Determine runway profile using 10 foot stations	150/5300-18	*
Determine the touchdown zone elevation (TDZE)	150/5300-18	*
Determine and document the intersection point of all specially prepared hard surface (SPHS) runways	150/5300-18	*
Determine and document the horizontal extents of any Stopways	150/5300-18	*
Determine any Stopway profiles	150/5300-18	*
Determine if the runway has an associated clearway	150/5300-18	*
Survey clearway to determine objects penetrating the slope	150/5300-18	*
Determine and document the taxiway intersection to threshold distance	150/5300-18	*
Determine runway true azimuth	150/5300-18	*
Determine or validate and document the position of navigational aids	150/5300-18	*
Determine or validate and document the position of runway abeam points of navigational aids	150/5300-18	*
Determine potential navigational aid screening objects	150/5300-18	*
Collect and document VOR receiver checkpoint location and associated data	150/5300-18	*
Perform or validate and document an airport airspace analysis	150/5300-18	*
Collect and document helicopter touchdown lift off area (TLOF)	150/5300-18	*
Collect and document helicopter final approach and takeoff area (FATO)	150/5300-18	*
Collect or validate and document airport photometric data	150/5300-18	*
Determine or validate the elevation of the Air Traffic Control Tower Cab Floor (if one is on the airport)	150/5300-18	*
Perform or validate a topographic survey	150/5300-18	* ²
Collect and document runway and taxiway lighting	150/5300-18	*
Collect and document parking stand coordinates	150/5300-18	*
Collect cultural and natural features of landmark value	150/5300-18	*
Determine elevation of roadways at the intersecting point of the Runway Protection Zone (RPZ) or the runway centerline extended	150/5300-18	*
Determine all Land Use to 65 DNL contour	150/5300-18	*
Document features requiring digital photographs	150/5300-18	*
Document features requiring sketches	150/5300-18	*
Collect position and type of runway markings	150/5300-18	*
Collect position and type taxiway markings	150/5300-18	*
Locate, collect, and document photo ID points	150/5300-17	*
Identify, collect, and document wetlands or environmentally sensitive areas	150/5300-18	*
Collect imagery	150/5300-17	*
Provide a final Project Report	150/5300-16/18	*

¹ Only when runway construction is involved.

² All 14 CFR Part 139 airports require 10 foot stations. At all other airports the distance between stations is between 10 and 50 feet to meet local requirements.

Woolpert, Inc.
 4454 Idea Center Boulevard
 Dayton, OH 45430-1500
 937.461.5660

Exhibit B: Imagery Limits



Woolpert, Inc.
4454 Idea Center Boulevard
Dayton, OH 45430-1500
937.461.5660



MEMORANDUM

To: Mr. Mark Cervasio
Airport Director
Venice Municipal Airport (VNC)

From: Paul Piro, P.E.

Date: May 3, 2023

Subject: Independent Fee Estimate (IFE) for Runway 13-31 Rehabilitation (Design) at Venice Municipal Airport (VNC)

This Memorandum presents the results and key assumptions used to prepare an Independent Fee Estimate (IFE) for Runway 13-31 Rehabilitation (Design) at Venice Municipal Airport (VNC)

IFE RESULTS

The IFE was prepared using assumed category rates typically employed on other ongoing airfield design projects. The City (Mark Cervasio) provided Kimley-Horn with American Infrastructure Development, Inc.'s (AID, inc.) Scope of Work and a blank task-based labor hours spreadsheet for use in preparing the IFE.

The allocation of hours among staff categories represents Kimley-Horn's understanding of a typical distribution of budget among support, junior, mid- and senior-level staff involved with each task defined within the design consultant's (AID, Inc.) scope of work. In addition, the allocation of budget among tasks represents Kimley-Horn's understanding of a typical distribution of budget in a traditional airfield design project, such as plans production, project specifications, FAA and FDOT coordination, pavement design, permitting assistance, project design survey, geotechnical investigations, and other tasks in support of producing bidding documents in conformance with FAA requirements.

The total Runway 13-31 Rehabilitation (Design) IFE was calculated to be **\$449,161**, with the budget allocation among tasks, travel, and direct expenses.

ASSUMPTIONS

The following key assumptions were used to complete the IFE:

- There was not a specific task in the scope for "Project Management". Therefore, Project Manager time was distributed throughout all tasks to represent continuous management of the project.

The complete summary sheet with the total fee has been provided via this transmittal in pdf format.

If you require additional information regarding the IFE findings and assumptions presented in this memorandum, please contact us. Thank you for the opportunity to serve the City.

Attachment [VNC Runway 13-31_IFE.pdf]

Summary of IFE total: \$ 449,161

Runway 13-31 Rehabilitation
Venice Municipal Airport

Fee Summary

Task Description	Total Fees
Basic Services	
<u>Phase</u>	Fee
Program Verification	\$ 43,760.00
Design Development (30%)	\$ 64,125.00
Contract Documents (60%)	\$ 79,025.00
Contract Documents (90%)	\$ 31,785.00
Contract Documents (100%)	\$ 8,260.00
Bidding and Award Services	\$ 16,800.00
Construction Administration Services	\$ 46,800.00
Electrical Design and CA (Windssock)	\$ 20,000.00
Subtotal Total Basic Services (Lump Sum):	\$310,555.00
Special Services	
Topographic Surveys	\$ 18,000.00
Geotechnical Investigations	\$ 20,000.00
Prepare CATEX	\$ 3,600.00
Coordinate with FAA and FDOT	\$ 4,000.00
Grant Services	\$ 4,000.00
Airspace Checklist Submittal (OE/AAA), CSPP	\$ 3,600.00
QA Testing During Construction (2 Months)	\$ 80,000.00
Subtotal Special Services (Lump Sum):	\$53,200.00
Resident Project Representative (RPR) Services (NTE)	
Resident Project Representative (NTE)	\$ 67,500.00
M&IE Total	\$ 3,976.00
Lodging	\$ 10,650.00
POV Mileage- Travel to/from Tampa	\$ 780.00
Subtotal RPR (NTE):	\$82,906.00
Reproduction (Lump Sum):	\$2,500.00
Total Fees (Lump Sum):	\$449,161.00

May 3, 2023

Mr. Mark Cervasio
Airport Director
Venice Municipal Airport
150 Airport Avenue East
Venice, FL 34285

Subject: **Venice Municipal Airport
Taxiway 13-31 Rehabilitation
Review of Bid Proposals**

Dear Mark:

Enclosed for your review is the Bid Tabulation Sheets for the referenced project. The Bid Opening was conducted on the established bid submittal deadline of May 1, 2023, at 2:00 PM. Two (2) bids were received.

The following list provides the Engineer's Estimate and the total value of the submitted Bids.


Name of Bidder	Schedule A	Schedule B	Total Bid Amount
Engineer's Estimate	\$4,041,300.00	\$45,025.00	\$4,086,325.00
Ajax Paving Industries of Florida, LLC	\$3,702,448.22	\$28,168.66	\$3,730,616.88
Preferred Materials	\$4,267,218.18	\$26,445.95	\$4,293,664.13

Based on the evaluation performed by AID and contingent upon funding availability, it is our recommendation to award the both Schedules of Work (Schedule A and Schedule B) to Ajax Paving Industries of Florida, LLC., the lowest responsive and responsible bidder, for the total bid amount of \$3,730,616.88.

Please contact me at (813)-374-2200 if you have any questions or require additional information regarding the project.

Sincerely,

American Infrastructure Development, Inc.



Kyle B. Holley, Vice President
American Infrastructure Development

Attachment: Bid Tabulation Sheets and Bid Review Checklist

Description	AJAX	Preferred Materials
Addendum No. 1 Acknowledgment	Yes	Yes
Bid Price Form Completed (Page BF-5 thru BF-8)	Yes	Yes
Bid Bond Included (Page 0300-15)	Yes	Yes
Surety - U.S. Treasury Listed (Part of Bid Bond)	Yes	Yes
Qualifications Statement (Page 0300-16)	Yes	Yes
Partnership Certificate Complete (If Applicable)	N/A	N/A
Indemnification Statement (Page 0300-20)	Yes	Yes
FDEP NOI (Page 0300-21)	Yes	Yes
Statement of References (Page 0300-36)	Yes	Yes
Subcontractors List (Page 0300-37)	Yes	Yes
Drug Free Workplace (Page 0300-38)	Yes	Yes
Non-Collusion Affidavit (Page 0300-39)	Yes	Yes
Public Entity Crime (Page 0300-40)	Yes	Yes
No Bid Response	N/A	N/A
Acknowledgement of Contract time and Liquidated Damages	Yes	Yes
Prime Contractor Intended Work Form	Yes	Yes
DBE Goal (7.5% Min)	Yes	Yes
List of Proposed DBE Subcontractors (Goal: 7.5%)	10.19%	10.8%
Letter of Intent to Perform as a DBE Subcontractor	Yes	Yes
Statement of Good Faith Efforts	Yes	Yes
Safety Plan Compliance Document (SPCD) Certification (Page 0300-51)	Yes	Yes
Conflict of Interest (Page 0300-52)	Yes	Yes
Certificate Regarding Lobbying (Page 0300-53)	Yes	Yes
E-Verification Certification (Page 0300-54)	Yes	Yes
Prohibition of Segregated Facilities (Page 0300-55)	Yes	Yes
Payroll Authorization/Duns Number (Page 0300-56)	Yes	Yes
Non-Discrimination Clause (Page 0300-57)	Yes	Yes
Equal Opportunity Report Statement (Page 0300-58)	Yes	Yes
Buy American Certificate (Page 0300-59)	Yes	Yes
Certificate Regarding Tax Delinquency (Page 0300-62)	Yes	Yes

Item No.	Bid Item	Description	Unit	Quantity	Engineer's Estimate		Ajax Paving Industries of Florida, LLC		Preferred Materials		Percent Difference Between Low Bidder and Engineer
					Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	
Schedule A - Runway 13-31 Rehabilitation											
1	C-100-1	Contractor Quality Control Plan (CQCP)	LS	1	\$75,000.00	\$75,000.00	\$25,540.77	\$25,540.77	\$6,337.00	\$6,337.00	
2	C-102-1	Temporary Stormwater Pollution, Prevention, Erosion, and	LS	1	\$12,000.00	\$12,000.00	\$18,940.73	\$18,940.73	\$7,600.00	\$7,600.00	
3	C-105-1	Mobilization	LS	1	\$400,000.00	\$400,000.00	\$89,545.63	\$89,545.63	\$425,000.00	\$425,000.00	69%
4	P-102-1	Safety, Security and Maintenance of Airfield Operations	LS	1	\$125,000.00	\$125,000.00	\$286,317.21	\$286,317.21	\$272,300.00	\$272,300.00	
5	P-101-1	Variable Depth Milling, 2"-4"	SY	83,000	\$6.00	\$498,000.00	\$4.89	\$405,870.00	\$4.76	\$395,080.00	82%
6	P-101-2	Marking Removal	SF	4,200	\$4.00	\$16,800.00	\$2.22	\$9,324.00	\$3.24	\$13,608.00	56%
7	P-101-3	Joint or Crack Repair	LF	1,500	\$5.00	\$7,500.00	\$15.25	\$22,875.00	\$8.33	\$12,495.00	305%
8	P-151-1	Isolated Shoulder Regrading	SY	700	\$2.00	\$1,400.00	\$110.56	\$77,392.00	\$32.21	\$22,547.00	5528%
9	P-401-1	Asphalt Mix Pavement	TN	9,500	\$250.00	\$2,375,000.00	\$235.02	\$2,232,690.00	\$269.70	\$2,562,150.00	94%
10	P-603-1	Emulsified Asphalt Tack Coat	GAL	6,650	\$12.00	\$79,800.00	\$3.81	\$25,336.50	\$7.66	\$50,939.00	32%
11	P-608-1	Asphalt Surface Treatment	SY	18,000	\$4.00	\$72,000.00	\$3.75	\$67,500.00	\$2.30	\$41,400.00	94%
12	P-620-1	White or Yellow Reflective Runway Marking (Temporary	SF	57,600	\$1.50	\$86,400.00	\$0.95	\$54,720.00	\$1.10	\$63,360.00	63%
13	P-620-2	White or Yellow Reflective Runway Marking (Final 100%)	SF	57,600	\$2.50	\$144,000.00	\$1.21	\$69,696.00	\$1.62	\$93,312.00	48%
14	P-620-3	Black Non-Reflective Marking and Outlines	SF	15,000	\$2.50	\$37,500.00	\$1.08	\$16,200.00	\$1.73	\$25,950.00	43%
15	FL-431-1	Cured in Place Pipe (CIPP) Lining - 30"x19" ERCP	LF	1,300	\$75.00	\$97,500.00	\$211.71	\$275,223.00	\$191.41	\$248,833.00	282%
16	T-904-1	Sodding	SY	700	\$12.00	\$8,400.00	\$18.32	\$12,824.00	\$20.88	\$14,616.00	153%
17	L-125-5.1	Relocated L-852D(L), LED, style 3, bi-directional, flush mounted runway edge light mounted on existing base can with new top section.	EA	2	\$2,500.00	\$5,000.00	\$6,226.69	\$12,453.38	\$5,845.59	\$11,691.18	249%
TOTAL SCHEDULE A (Runway 13-31 Rehabilitation) AMOUNT						\$4,041,300.00	\$3,702,448.22	\$4,267,218.18	92%		
Schedule B - Lighted Windcone Relocation											
B-1	L-107-5.1	Relocated L-806(L), Style I-B, Size 1, LED internally lighted wind cone with new wind cone foundation and new base can installed in earth.	EA	2	\$17,500.00	\$35,000.00	\$8,132.81	\$16,265.62	\$7,635.06	\$15,270.12	46%
B-2	L-108-5.1	3/4" x 20' ground rods connected to counterpoise.	EA	2	\$250.00	\$500.00	\$432.06	\$864.12	\$405.61	\$811.22	173%
B-3	L-108-5.2	Additional 10' ground rod sections.	EA	2	\$125.00	\$250.00	\$216.03	\$432.06	\$202.81	\$405.62	173%
B-4	L-108-5.3	#6 bare solid AWG counterpoise conductor installed over conduit system.	LF	300	\$1.50	\$450.00	\$3.18	\$954.00	\$2.98	\$894.00	212%
B-5	L-108-5.4	#8, 5KV, L-824 conductor installed in new and existing conduit/ductbank system.	LF	650	\$2.50	\$1,625.00	\$2.67	\$1,735.50	\$2.51	\$1,631.50	107%
B-6	L-110-5.1	One 2" schedule 40 PVC conduit non-encased direct buried in earth, 24-inch minimum cover, complete in place.	LF	300	\$15.00	\$4,500.00	\$17.03	\$5,109.00	\$15.99	\$4,797.00	114%
B-7	L-125-5.2	Intercept existing circuit conductors in existing base can/manhole /junction can and extend circuits accordingly.	EA	4	\$150.00	\$600.00	\$190.61	\$762.44	\$178.95	\$715.80	127%
B-8	L-125-5.3	Intercept existing light base can in earth and connect to conduit system.	EA	2	\$300.00	\$600.00	\$482.89	\$965.78	\$453.33	\$906.66	161%
B-9	L-125-5.4	Identification of cables, duct banks and lighting fixtures per FAA specifications	LS	1	\$1,500.00	\$1,500.00	\$1,080.14	\$1,080.14	\$1,014.03	\$1,014.03	72%
TOTAL SCHEDULE B (Lighted Windcome Relocation) AMOUNT						\$45,025.00	\$28,168.66	\$26,445.95	63%		

Bid Opening Date: May 1, 2023

Engineer's Estimate	Ajax Paving Industries of Florida, LLC	Preferred Materials	Percent Difference Between Low Bidder and Engineer
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Total Bid Amount - SCHEDULE A (Runway 13-31 Rehabilitation)	\$4,041,300.00	\$3,702,448.22	\$4,267,218.18	92%
Total Bid Amount - SCHEDULE B (Lighted Windcone Relocation)	\$45,025.00	\$28,168.66	\$26,445.95	63%
Total Project Cost (Schedule A + Schedule B)	\$4,086,325.00	\$3,730,616.88	\$4,293,664.13	91%

Prepared by: _____

Discrepancies:

No Discrepancies in calculations were noted in either of the two bidders.

Percent Difference:

Overall Bid is within 10% of the Engineer's estimate. Several items had disparity as noted below:

2. Joint Crack Repair: (305% Difference): This item was added as an addendum, and is a specialty subcontractor. Unit Price difference could be due to limited subconsultants that could be found to perform this work.
3. Isolated Shoulder Re-grading: (Isolated Shoulder Regrading): Survey did not exist for this area in question. The scope of work for this item was conveyed at the pre-bid meeting, but the low bidder was not in attendance.
4. Cured in Place Pipe Liner (282%): The engineer did not have sufficient data to estimate this cost based on recent bids. Price seems appropriate when comparing the two bidders.
5. Sodding: (153%) Low quantity can be attributed to increased unit price
6. Electrical (General): Electrical scope is very small for this project and is limited to relocating two existing windcones. Variability in unit prices can be attributed to small scale of project.