

Airport Improvement Program
Orlando Airports District Office
Federal Assistance Request Checklist

APPLICATION CHECKLIST

Airport:	Venice Municipal Airport
Sponsor:	City of Venice
City, State:	Venice, Florida
Date of Application:	June 10, 2014

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 (Revise Pre-Application Documentation) :

- ☒ Standard Form 424 -- Application for Federal Assistance
- ☒ Detailed Project Information Sheet
- ☒ Individual Project Cost Breakdowns and Total Cost Summary
- ☒ Bid Tabulations and Recommendation for Award
- ☒ Project Sketch – One for each or one drawing with all projects
- ☒ Environmental Determination Documentation for each project
- ☒ Individual Project Schedules
- ☐ Appraisals (Land Acquisition Projects)
- ☒ Independent Cost Estimates (Design Only or Construction Phase Services >\$100K)

June 10, 2014

Ms. Krystal Ritchey, P.E.
Program Manager
Federal Aviation Administration
Orlando Airports District Office
5950 Hazeltine National Drive, Suite 400
Orlando, FL 32822

Dear Ms. Ritchey

Subject: Venice Municipal Airport, Venice, Florida
FY 2014 Airport Improvement Program
Application

Enclosed please find an FY 2014 Airport Improvement Program grant application for the following projects at the Venice Municipal Airport:

1. Taxiways A and C Rehabilitation (Construction and CA Services)
2. Runway 13-31 Runway Protection Zone Improvements (Design/Bidding Services Only)

The following items are enclosed for each of the above projects:

- ✓ Federal Assistance Request Checklist
- ✓ Standard Form 424 -- Application for Federal Assistance
- ✓ Detailed Project Information Sheet
- ✓ Individual Project Cost Breakdowns and Total Cost Summary
- ✓ Bid Tabulations and Recommendation for Award
- ✓ Project Sketch – One for each or one drawing with all projects
- ✓ Environmental Determination Documentation for each project / work item shown above
- ✓ Individual Project Schedule
- ✓ Independent Cost Estimates
- ✓ Airport Title Opinion
- ✓ Exhibit “A” – Airport Property Map

Based on the amount requested in our pre-application dated January 10, 2014, we are requesting a reduction of \$35,605 due to the actual construction and professional services fees. There have been no changes in our Exhibit “A” Property Map or Exhibit “C” Title Opinion since our last grant (AIP 3-12-0082-012-2012 from September 13, 2012.)

Sincerely,

Christopher A. Rozansky
Airport Administrator

APPLICATION FOR FEDERAL ASSISTANCE

1. TYPE OF SUBMISSION: Application <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		2. DATE SUBMITTED June 10, 2014	Applicant Identifier 3-12-0082-013-2014
		3. DATE RECEIVED BY STATE	State Application Identifier
		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
5. APPLICANT INFORMATION			
Legal Name: City of Venice, Florida		Organizational Unit: City of Venice	
Organizational DUNS: 093602191		Department:	
Address: Street: 150 Airport Avenue East		Division: Venice Municipal Airport	
City: Venice		Name and telephone number of the person to be contacted on matters involving this application (give area code) Prefix: Mr. First Name: Christopher	
County:		Middle Name:	
State: Florida Zip Code: 34285		Last Name: Rozansky	
Country: U.S.A.		Suffix:	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 5 9 - 6 0 0 0 4 4 3		Email: Crozansky@flyvnc.com	
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) (See back of form for description of letters.) Other (specify)		7. TYPE OF APPLICANT: (See back of form for Application Types) Other (specify) Municipal	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: TITLE (Name of Program): 2 0 - 1 0 6 AIRPORT IMPROVEMENT PROGRAM		9. NAME OF FEDERAL AGENCY: FEDERAL AVIATION ADMINISTRATION	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): City of Venice Florida		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Taxiways A and C Rehabilitation - Construction and CA Services Runway 13-31 Runway Protection Zone Improvemnts - Design/Bidding Phase	
13. PROPOSED PROJECT Start Date: Aug-14 Ending Date: May-15		14. CONGRESSIONAL DISTRICTS OF: a. Applicant City of Venice b. Project Airfield Improvements	
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$4,759,145.00	a. Yes. <input type="checkbox"/> THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON DATE: _____	
b. Applicant	\$260,305.00	b. No. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372	
c. State	\$282,126.00	<input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
d. Local			
e. Other			
f. Program Income		17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes. If "Yes" attach an explanation. <input checked="" type="checkbox"/> No	
g. TOTAL	\$5,301,576.00		
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.			
a. Authorized Representative			
Prefix Mr.	First Name Edward	Middle Name	
Last Name Lavallee	Suffix		
b. Title: City Manager	c. Telephone Number (give area code)		(941) 486-2626
d. Signature of Authorized Representative	e. Date Signed		

PART II

PROJECT APPROVAL INFORMATION
SECTION AItem 1.

Does this assistance request require State, local, regional, or other priority rating?

☐ Yes ☒ No

Name of Governing Body:

Priority:

Item 2.

Does this assistance request require State, or local advisory, educational or health clearances?

☐ Yes ☒ NoName of Agency or Board:
(Attach Documentation)Item 3.

Does this assistance request require clearinghouse review in accordance with OMB Circular A-95?

☐ Yes ☒ No

(Attach Comments)

Item 4.

Does this assistance request require State, local, regional or other planning approval?

☐ Yes ☒ No

Name of Approving Agency:

Date: / /

Item 5.

Is the proposal project covered by an approved comprehensive plan?

☐ Yes ☒ No

Check one:

State

Local

Regional

☐
☐
☐

Location of Plan:

Item 6.

Will the assistance requested serve a Federal installation?

☐ Yes ☒ No

Name of Federal Installation:

Federal Population benefiting from Project:

Item 7.

Will the assistance requested be on Federal land or installation?

☐ Yes ☒ No

Name of Federal Installation:

Location of Federal Land:

Percent of Project:

Item 8.

Will the assistance requested have an impact or effect on the environment?

☐ Yes ☒ No

See instruction for additional information to be provided

Item 9.

Will the assistance requested cause the displacement of individuals, families, businesses, or farms?

☐ Yes ☒ No

Number of:

Individuals:

Families:

Businesses:

Farms:

Item 10.

Is there other related Federal assistance on this project previous, pending, or anticipated?

☐ Yes ☒ No

See instructions for additional information to be provided.

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:

The City of Venice Zoning Ordinance and Comprehensive Plan has identified criteria for land use adjacent to 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:

None

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 Part V of this Application, either by limiting its legal or financial ability or otherwise, except as follows:

None

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.

Confirmed

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

Confirmed

6. Consultation with Users. In making a decision to undertake any airport development project under Title 49, United States Code, it has undertaken reasonable consultations with affected parties using the airport which project is proposed.

Confirmed

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.

Not required for this 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.

Not required for this project.

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:

None

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”:

See attached Title Opinion and Exhibit “A”

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”:

N/A

(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”

N/A

**State 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	Adjustment + or (-)	
1. Administration expense			\$ 40,000.00
2. Preliminary expense			\$ 195,101.00
3. Land, structures, right-of-way			
4. Architectural engineering basic fees			\$ 712,290.00
5. Other architectural engineering fees			\$ 178,075.00
6. Project inspection fees			\$ 198,510.00
7. Land development			
8. Relocation expenses			
9. Relocation payments to Individuals and businesses			
10. Demolition and removal			
11. Construction and project improvement			\$ 3,977,600.00
12. Equipment			
13. Miscellaneous			
14. Total (Line 1 through 13)			\$ 5,301,576.00
15. Estimated Income (if applicable)			
16. Net Project Amount (Line 14 minus 15)			
17. Less: Ineligible Exclusions			
18. Add: Contingencies			
19. Total Project Amt. (Excluding Rehabilitation Grants)			\$ 5,301,576.00
20. Federal Share requested of Line 19			\$ 4,759,145.00
21. Add Rehabilitation Grants Requested (100 Percent)			
22. Total Federal grant requested (Lines 20 & 21)			\$ 4,759,145.00
23. Grantee share			\$ 260,305.00
24. Other shares			\$ 282,126.00
25. Total project (Lines 22, 23 & 24)			\$ 5,301,576.00

SECTION C - EXCLUSIONS		
	Ineligible for Participation (1)	Excluded from Contingency Provision (2)
26. Classification		
a.	\$	\$
b.		
c.		
d.		
e.		
f.		
g.	\$	\$

SECTION D - PROPOSED METHOD OF FINANCING NON-FEDERAL SHARE	
27. Grantee Share	\$ 260,305.00
a. Securities	
b. Mortgages	
c. Appropriations (By Applicant)	
d. Bonds	
e. Tax Levies	
f. Non Cash	
g. Other (Explain)	
h. TOTAL -Grantee Share	\$ 260,305.00
28. Other Shares	
a. State	\$ 282,126.00
b. Other	\$ -
c. Total Other Shares	\$ 282,126.00
29. TOTAL	\$ 542,431.00

SECTION E - REMARKS

Venice Municipal Airport (VNC)
PROJECT COSTS

Work Item 1: Taxiways A and C Rehabilitation	Cost (100%)	FAA (90%)
Construction Administration	\$119,934.00	\$107,940.60
Grant Services	\$5,336.00	\$4,802.40
RPR Services	\$142,500.00	\$128,250.00
Q/A Testing	\$56,010.00	\$50,409.00
Record Drawings	\$5,516.00	\$4,964.40
ALP Update	\$5,408.00	\$4,867.20
Construction	\$3,977,600.00	\$3,579,840.00
Subtotal Amount	\$4,312,304.00	\$3,881,074.00
Total FDOT Share (5%)		\$215,615.00
Total City Share (5%)		\$215,615.00

Work Item 2: Runway 13-31 Runway Protection Zone Improvements	Cost (100%)	FAA (90%)
Environmental Assessment	\$125,000.00	\$112,500.00
Topographic Surveys	\$27,340.00	\$24,606.00
Obstruction Surveys	\$11,602.00	\$10,441.80
Geotechnical Investigations	\$31,159.00	\$28,043.10
Design/Bidding - Runway and Taxiways	\$392,534.00	\$353,280.60
Design/Bidding - EMAS	\$186,184.00	\$167,565.60
Design/Bidding - Security Camera at EMAS	\$10,038.00	
Design/Bidding - Runway 13-31 Pavement Rejuvenation	\$3,600.00	
SWFWMD/Environmental Permitting	\$35,405.00	\$31,864.50
Property Acquisition	\$28,600.00	\$25,740.00
Building Demolition	\$11,100.00	\$9,990.00
Landscape Architecture	\$31,200.00	\$28,080.00
FAA Meetings/Reimbursable Agreements	\$4,986.00	\$4,487.40
Airspace Analysis (7460) and CSPP	\$6,740.00	\$6,066.00
Grant Assistance Services	\$8,784.00	\$7,905.60
DBE Program	\$35,000.00	\$31,500.00
Subtotal Amount	\$949,272.00	\$842,071.00
Total FDOT Share (5% of Eligible, 80% of Non-Eligible)	\$	64,511.00
Total City Share (5% of Eligible, 20% of Non-Eligible)		\$42,690.00

City Administrative Costs	\$40,000.00	\$36,000.00
Total FDOT Share (5%)		\$2,000.00
Total City Share (5%)		\$2,000.00

Total Estimated Project Cost (100%) **\$5,301,576.00**

Total FAA Share **\$4,759,145.00**
Entitlements **\$300,000.00**
Discretionary **\$4,459,145.00**

Total FDOT Share **\$282,126.00**
Total City Share **\$260,305.00**

Grant Application:
Taxiways A and C and Runway 13-31 Runway Protection Zone Improvements

Detailed Project Information Sheet
Airport Improvement Program
Grant Application

Airport: Venice Municipal Airport (VNC)

City, ST: Venice, Florida

Project Title: Work Item 1: Taxiways A and C Rehabilitation

Project Description: The City of Venice intends to perform the following improvements at Venice Municipal Airport:

- Rehabilitate Taxiway A (Pavement and Lighting/Signage)
- Rehabilitate Taxiway C (Pavement and Lighting/Signage)

The rehabilitation of Taxiway A may consist of the following elements, as shown in the attached exhibit.

- a) Demolition and removal of the existing asphalt and concrete pavement
- b) Construction of a new pavement section with bituminous concrete surface course
- c) Grade adjustments at the intersection with the ramp and Taxiway C
- d) Drainage modifications at the intersection of Taxiway A to the Concrete Apron (adjacent to the Airport Administration Building) and the fuel farm ramp to eliminate ponding of water.

The rehabilitation of Taxiway C will consist of the following elements (see Figure 1):

- a) Demolition and removal of the existing asphalt pavement
- b) Construction of a new pavement section with bituminous concrete surface course
- c) Grade adjustments at tie-ins to Taxiways A, D, and E
- d) Avoid the future condition of providing a pilot more than three choices at an intersection, known as "Three-Node Concept".

As part of Taxiway C Rehabilitation, a new paved access road will be constructed to replace the existing gravel access road to the Airfield Electric Vault building, similar to the blue highlighted roadway shown in Figure-1.

The City utilized FDOT and Local funds for Professional Services related to the design and bidding phases of this project. Under this Grant Application, the City is requesting FAA participation for

funding the Construction and Construction Administration, RPR, and Testing.

Project Justification:

Taxiway A consists of a concrete pavement section within the yellow highlighted sections and asphalt pavement section (see Figure-1 red highlighted sections). The concrete section has been overlaid by a thin asphalt layer. The asphalt layer is deteriorated with reflective cracking from the concrete joints which is apparent throughout. The asphalt sections of Taxiway A show signs of age related stresses such as longitudinal and transverse cracking and oxidation. The 2011 FDOT Pavement Evaluation provided a Pavement Condition Index ranging from fair (59) to poor (51). The current PCI rating is at a lower scale for Taxiway A.

Taxiway C consists of an asphalt pavement section (see Sketch-1 green highlighted sections). This pavement is in poor condition due to its age and heavy usage providing a central access taxiway to the north ramp from both runways.

Realignment of Taxiway C at the intersection with Taxiways D and E will avoid the future condition of providing a pilot more than three choices at an intersection, known as "Three-Node Concept" described in AC 150/5300-13A.

Special Circumstances:

The City submitted two Modifications to the FAA Design Standards for using limerock from local FDOT approved quarries and for using recycled asphalt pavement (FDR) as a stabilized base.

Alternate Funding Plan:

The City advertised this project dividing the work for Taxiway A and Taxiway C to two Schedules (A and B) with a Bid Alternate #1 to have the flexibility to utilize available FAA Discretionary funds.

The City will also approach FDOT if adequate amount of Discretionary funding is not available.

Detailed Project Information Sheet
Airport Improvement Program
Grant Application

Airport: Venice Municipal Airport (VNC)

City, ST: Venice, Florida

Project Title: Work Item 2: Runway 13-31 Runway Protection Zone Improvements

Project Description: The City of Venice intends to improve the safety of Runway 13-31 by completing the following projects, as shown in the attached exhibit.

- Relocate the Runway 13 Runway Protection Zone by shifting and extending existing Runway 13-31 727 feet to the south of its present location.
- Installation of an Engineered Materials Arresting System (EMAS) on the Runway 31 end.
- Extend parallel Taxiway D to provide access to the new Runway 31 end location.
- New taxiway access to the relocated Runway 13 end.
- Replace existing fence southeast of Runway 5-23 with wildlife deterrent fencing.
- Obstruction survey/removal of trees identified by the FAA as being located in the approaches to Runway 13-31.
- Home or aviation easement acquisition of two properties placed in the Runway 13 relocated RPZ.

Project Justification: The existing Runway 13 RPZ contains 24 single family residences within its limits as depicted on the ALP. In 2010 the estimated cost to purchase, relocate and remove the homes exceeded \$16.0 million. The City of Venice does not wish to purchase and remove the homes through an acquisition program. As such, the FAA has indicated a willingness to implement an alternative to relocate the RPZ to the extent practicable onto existing airport property. This alternative would remove all but two homes from within the RPZ limits. In order to maintain the present design standards and operational utility of the existing primary Runway 13-31, the project elements defined above must be implemented. These elements would maintain an existing runway length of 5,000 feet through the application of declared distances, provide for equivalent approach capabilities, maintain the existing airport reference code (C-II), and provide for additional safety by increasing the Runway 13-31 RSA/ROFA to the extent practicable.

Special Circumstances:

- Engineered Material Arresting System (EMAS) will be required to meet the FAA's safety area requirements.
- Property appraisals and related services are necessary for two homes that will be placed in the Runway 13 relocated RPZ.
- Obstruction survey/removal of trees previously identified by FAA as being located in the approaches to Runway 13-31.
- DBE Administration Program.

Alternate Funding Plan: *None.*

Venice Municipal Airport (VNC)
Taxiways A and C Rehabilitation (Construction and CA Services)

PROPOSED PROJECT SCHEDULE

Proposed Project Schedule:

Execution of FAA Grant

Notice to Proceed to Contractor

Completion of Construction

Final Inspection

Project Close-Out

Dates:

August 2014

September 2014

March 2015

March 2015

May 2015

Venice Municipal Airport (VNC)
Runway 13-31 Runway Protection Zone Improvements

PROPOSED PROJECT SCHEDULE

Proposed Project Schedule:

Dates:

Completion of Plans and Specifications, and Eng. Report	April 2015
Submit Plans and Specs to FAA	April 2015
Advertisement of Project for Bids	May 2015
Receipt of Bids	May 2015
Submittal of Project Application to FAA	June 2015
Execution of FAA Grant	August 2015
Notice to Proceed to Contractor	September 2015
Completion of Construction	April 2016
Final Inspection	April 2016
Project Close-Out	June 2016

May 29, 2014

Mr. Christopher Rozansky, C.M.
Airport Administrator
Venice Municipal Airport
150 Airport Avenue East
Venice, FL 34285

Subject: **Venice Municipal Airport
Taxiways A and C Rehabilitation
Review of Bid Proposals**

Dear Chris:

Enclosed for your review are the Bid Tabulation Sheets for the referenced project. The Bid Opening was conducted on May 28, 2014 at 2:00 PM, which was the deadline established for submitting the bids.

PROPOSAL REVIEW

A total of two proposals were received. There were no mathematical errors noted during the bid review.

RECOMMENDATION

Based on the proposals evaluation performed by AID and contingent upon available funds, it is our recommendation to award the project to Owen-Ames-Kimball Company, the lowest responsive and responsible proposer for the following elements of the project at a total bid amount of \$3,977,599.25, which includes Schedules A and B and Alternative Bid #1.

Our recommendation is also contingent on the City of Venice's legal review of the bid documents.

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

Sincerely,
American Infrastructure Development, Inc.



Mohsen Mohammadi, Ph.D., P.E.
Senior Consultant

Attachment: Bid Tabulation Sheets

BID TABULATION
TAXIWAYS A AND C REHABILITATION
VENICE MUNICIPAL AIRPORT
ITB No. 2984-14 FAA AIP No. 03-12-0082-013-2014 FDOT FM No. 435087-1-94-01

Bid Opening Date: May 28, 2014 - 2:00 PM

					ENGINEER'S ESTIMATE		OWEN-AMES-KIMBALL COMPANY		PREFERRED MATERIALS, INC.	
Item No.	Bid Item	Description	Unit	Quantity	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 - TAXIWAY 'A'										
1	P-100-1	MOBILIZATION	LS	1	\$160,000.00	\$160,000.00	\$216,624.56	\$216,624.56	\$330,000.00	\$330,000.00
2	P-101-1	2" OR LESS VARIABLE BITUMIMOUS PAVEMENT MILLING	SY	450	\$10.00	\$4,500.00	\$5.22	\$2,349.00	\$15.65	\$7,042.50
3	P-101-2	8" CONCRETE PAVEMENT DEMOLITION (FULL DEPTH, INCL. OVERLAY)	SY	4,500	\$14.00	\$63,000.00	\$15.42	\$69,390.00	\$26.50	\$119,250.00
4	P-101-3	ASPHALT PAVEMENT OVERLAY REMOVAL AND GRINDING	SY	7,500	\$11.00	\$82,500.00	\$16.07	\$120,525.00	\$10.00	\$75,000.00
5	P-101-4	CONCRETE SPALL REPAIR	SF	500	\$15.00	\$7,500.00	\$75.60	\$37,800.00	\$73.75	\$36,875.00
6	P-101-5	18"-24" RCP REMOVAL	LF	22	\$25.00	\$550.00	\$37.80	\$831.60	\$37.00	\$814.00
7	P-101-6	18"-24" CMP REMOVAL	LF	80	\$20.00	\$1,600.00	\$37.80	\$3,024.00	\$37.00	\$2,960.00
8	P-101-7	6"-8" PVC PIPE REMOVAL	LF	120	\$6.00	\$720.00	\$16.20	\$1,944.00	\$15.80	\$1,896.00
9	P-101-8	DRAINAGE STRUCTURE REMOVAL	EA	4	\$2,000.00	\$8,000.00	\$729.00	\$2,916.00	\$710.00	\$2,840.00
10	P-101-9	PAINT MARKING REMOVAL	SF	600	\$5.00	\$3,000.00	\$2.16	\$1,296.00	\$8.50	\$5,100.00
11	P-102-1	SAFETY, SECURITY AND MAINTENANCE OF AIRFIELD OPERATIONS	LS	1	\$20,000.00	\$20,000.00	\$55,431.13	\$55,431.13	\$324,580.00	\$324,580.00
12	P-152-1	UNCLASSIFIED EXCAVATION	CY	5,500	\$10.00	\$55,000.00	\$3.76	\$20,680.00	\$9.70	\$53,350.00
13	P-152-2	EMBANKMENT	CY	2,180	\$15.00	\$32,700.00	\$10.76	\$23,456.80	\$39.00	\$85,020.00
14	P-156-1	TEMPORARY EROSION AND POLLUTION PREVENTION	LS	1	\$54,000.00	\$54,000.00	\$8,918.24	\$8,918.24	\$140,255.00	\$140,255.00
15	P-210-1	COLD RECYCLED BITUMINOUS BASE COURSE (8" THICK)	SY	20,000	\$15.00	\$300,000.00	\$19.44	\$388,800.00	\$23.65	\$473,000.00
16	P-211-1	LIMEROCK BASE COURSE (8" THICK)	SY	8,000	\$25.00	\$200,000.00	\$12.29	\$98,320.00	\$9.60	\$76,800.00
17	P-401-1	BITUMINOUS ASPHALT SURFACE COURSE	TN	6,500	\$115.00	\$747,500.00	\$150.66	\$979,290.00	\$145.00	\$942,500.00
18	P-602-1	BITUMINOUS PRIME COAT	GAL	3,500	\$2.50	\$8,750.00	\$4.10	\$14,350.00	\$4.00	\$14,000.00
19	P-603-1	BITUMINOUS TACK COAT	GAL	3,000	\$2.50	\$7,500.00	\$4.10	\$12,300.00	\$1.50	\$4,500.00
20	P-605-1	SEAL EXISTING CONCRETE JOINTS	LF	8,100	\$2.00	\$16,200.00	\$3.08	\$24,948.00	\$3.00	\$24,300.00
21	P-620-1	REFLECTIVE (YELLOW) TAXIWAY MARKING	SF	5,000	\$3.00	\$15,000.00	\$0.76	\$3,800.00	\$2.00	\$10,000.00
22	P-620-2	NON-REFLECTIVE TAXIWAY MARKING	SF	20,000	\$2.00	\$40,000.00	\$0.54	\$10,800.00	\$0.80	\$16,000.00
23	P-620-3	TEMPORARY MARKING (YELLOW)	SF	500	\$2.00	\$1,000.00	\$3.24	\$1,620.00	\$3.00	\$1,500.00
24	D-701-1	12" RCP	LF	260	\$35.00	\$9,100.00	\$43.20	\$11,232.00	\$42.00	\$10,920.00
25	D-701-2	18" RCP	LF	130	\$45.00	\$5,850.00	\$64.80	\$8,424.00	\$63.20	\$8,216.00
26	D-701-3	24" RCP	LF	120	\$80.00	\$9,600.00	\$70.20	\$8,424.00	\$68.50	\$8,220.00
27	D-701-4	42" RCP	LF	120	\$120.00	\$14,400.00	\$189.00	\$22,680.00	\$200.00	\$24,000.00
28	D-701-5	14" x 23" ERCP	LF	304	\$100.00	\$30,400.00	\$54.00	\$16,416.00	\$63.20	\$19,212.80
29	D-701-6	6" DIP	LF	222	\$28.00	\$6,216.00	\$39.96	\$8,871.12	\$47.40	\$10,522.80
30	D-751-1	FDOT TYPE A DITCH BOTTOM INLET	EA	2	\$4,500.00	\$9,000.00	\$4,860.00	\$9,720.00	\$5,265.00	\$10,530.00
31	D-751-2	FDOT TYPE P MANHOLE	EA	1	\$4,500.00	\$4,500.00	\$2,700.00	\$2,700.00	\$3,150.00	\$3,150.00
32	D-752-1	MITERED END SECTION	EA	5	\$1,500.00	\$7,500.00	\$1,053.00	\$5,265.00	\$1,025.00	\$5,125.00
33	D-752-2	CONCRETE HEADWALL	EA	1	\$3,500.00	\$3,500.00	\$3,780.00	\$3,780.00	\$3,685.00	\$3,685.00
34	D-752-3	CONCRETE WINGWALL	EA	1	\$5,000.00	\$5,000.00	\$3,780.00	\$3,780.00	\$3,685.00	\$3,685.00
35	D-752-4	ADJUST EXISTING INLET RIM ELEVATION	EA	1	\$3,500.00	\$3,500.00	\$11,340.00	\$11,340.00	\$12,350.00	\$12,350.00
36	D-752-5	CORE DRILL EXISTING INLET WALL	EA	2	\$500.00	\$1,000.00	\$1,242.00	\$2,484.00	\$1,200.00	\$2,400.00
37	D-752-6	PLUG NEW PIPE FOR FUTURE CONNECTION	LF	3	\$500.00	\$1,500.00	\$1,890.00	\$5,670.00	\$1,840.00	\$5,520.00
38	T-904-1	SODDING	SY	26,500	\$3.00	\$79,500.00	\$2.48	\$65,720.00	\$3.30	\$87,450.00
39	L-100-1	VERIFICATION OF EXISTING CONDITIONS	LS	1	\$20,000.00	\$20,000.00	\$39,656.52	\$39,656.52	\$10,550.00	\$10,550.00

BID TABULATION**TAXIWAYS A AND C REHABILITATION****VENICE MUNICIPAL AIRPORT**

ITB No. 2984-14 FAA AIP No. 03-12-0082-013-2014 FDOT FM No. 435087-1-94-01

Bid Opening Date: May 28, 2014 - 2:00 PM

Item No.	Bid Item	Description	Unit	Quantity	ENGINEER'S ESTIMATE		OWEN-AMES-KIMBALL COMPANY		PREFERRED MATERIALS, INC.	
					Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)
40	L-104-1	TEMPORARY AIRFIELD LIGHTING DURING CONSTRUCTION	LS	1	\$10,000.00	\$10,000.00	\$3,445.20	\$3,445.20	\$3,360.01	\$3,360.01
41	L-108-1	NO. 8 AWG, L-824C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	15,000	\$2.00	\$30,000.00	\$1.19	\$17,850.00	\$1.15	\$17,250.00
42	L-108-2	NO. 6 AWG, BARE SOLID COPPER COUNTERPOISE WIRE, INSTALLED IN TRENCH	LF	8,700	\$4.00	\$34,800.00	\$1.46	\$12,702.00	\$1.40	\$12,180.00
43	L-108-3	3/4" X 10' COPPER CLAD STEEL GROUND RODS, INCLUDING GROUND CONNECTORS	EA	190	\$200.00	\$38,000.00	\$110.16	\$20,930.40	\$107.00	\$20,330.00
44	L-108-4	10' ADDITIONAL GROUND ROD SECTIONS	EA	380	\$100.00	\$38,000.00	\$97.20	\$36,936.00	\$95.00	\$36,100.00
45	L-110-2	ELECTRICAL DUCT BANK, 2 WAY 4" PVC, CONCRETE ENCASED	LF	200	\$30.00	\$6,000.00	\$31.75	\$6,350.00	\$30.00	\$6,000.00
46	L-110-4	ELECTRICAL CONDUIT, 1 WAY 2" PVC, DIRECT BURIED	LF	8,500	\$3.00	\$25,500.00	\$3.46	\$29,410.00	\$3.35	\$28,475.00
47	L-115-1	ELECTRICAL HANDHOLE	EA	4	\$6,000.00	\$24,000.00	\$5,058.72	\$20,234.88	\$4,900.00	\$19,600.00
48	L-115-2	ELECTRICAL JUNCTION STRUCTURE [SIZE AND TYPE]	EA	2	\$1,000.00	\$2,000.00	\$791.64	\$1,583.28	\$770.00	\$1,540.00
49	L-125-2	L-861T(L) LED TAXIWAY EDGE LIGHT	EA	163	\$900.00	\$146,700.00	\$1,073.52	\$174,983.76	\$1,040.00	\$169,520.00
50	L-125-5	RELOCATE L-858(L) SIGN UNIT, 3 MODULE, ON NEW FOUNDATION	EA	2	\$4,000.00	\$8,000.00	\$2,512.08	\$5,024.16	\$2,400.00	\$4,800.00
51	L-125-6	RELOCATE L-858(L) SIGN UNIT, 4 MODULE, ON NEW FOUNDATION	EA	1	\$6,000.00	\$6,000.00	\$2,702.16	\$2,702.16	\$2,600.00	\$2,600.00
52	L-126-1	AIRFIELD LIGHTING VAULT EQUIPMENT REMOVAL	LS	1	\$10,000.00	\$10,000.00	\$5,475.60	\$5,475.60	\$5,300.00	\$5,300.00
53	L-126-2	L-829 CONSTANT CURRENT REGULATOR (CCR), 6.6A, 15 KW	EA	1	\$25,000.00	\$25,000.00	\$23,456.52	\$23,456.52	\$22,800.00	\$22,800.00
TOTAL BID AMOUNT - SCHEDULE A					\$2,443,586.00		\$2,686,660.93		\$3,322,974.11	

SCHEDULE B - TAXIWAY 'C' and 'E'										
54	P-100-1	MOBILIZATION	LS	1	\$60,000.00	\$60,000.00	\$134,319.82	\$134,319.82	\$110,650.00	\$110,650.00
55	P-101-6	18"-24" CMP REMOVAL	LF	80	\$20.00	\$1,600.00	\$37.80	\$3,024.00	\$37.00	\$2,960.00
56	P-101-9	PAINT MARKING REMOVAL	SF	400	\$5.00	\$2,000.00	\$2.16	\$864.00	\$8.50	\$3,400.00
57	P-102-1	SAFETY, SECURITY AND MAINTENANCE OF AIRFIELD OPERATIONS	LS	1	\$8,000.00	\$8,000.00	\$27,715.56	\$27,715.56	\$104,255.00	\$104,255.00
58	P-152-1	UNCLASSIFIED EXCAVATION	CY	1,600	\$10.00	\$16,000.00	\$3.76	\$6,016.00	\$11.50	\$18,400.00
59	P-152-2	EMBANKMENT	CY	820	\$15.00	\$12,300.00	\$10.76	\$8,823.20	\$36.90	\$30,258.00
60	P-152-3	BITUMINOUS MILLING ROADWAY	SY	500	\$10.00	\$5,000.00	\$3.07	\$1,535.00	\$15.65	\$7,825.00
61	P-156-1	TEMPORARY EROSION AND POLLUTION PREVENTION	LS	1	\$26,000.00	\$26,000.00	\$1,177.20	\$1,177.20	\$35,975.00	\$35,975.00
62	P-210-1	COLD RECYCLED BITUMINOUS BASE COURSE (8" THICK)	SY	9,000	\$15.00	\$135,000.00	\$19.44	\$174,960.00	\$21.50	\$193,500.00
63	P-401-1	BITUMINOUS ASPHALT SURFACE COURSE	TN	2,300	\$115.00	\$264,500.00	\$160.92	\$370,116.00	\$145.00	\$333,500.00
64	P-603-1	BITUMINOUS TACK COAT	GAL	1,000	\$2.50	\$2,500.00	\$4.10	\$4,100.00	\$1.50	\$1,500.00
65	P-620-1	REFLECTIVE (YELLOW) TAXIWAY MARKING	SF	1,500	\$3.00	\$4,500.00	\$0.76	\$1,140.00	\$1.45	\$2,175.00
66	P-620-2	NON-REFLECTIVE TAXIWAY MARKING	SF	2,800	\$2.00	\$5,600.00	\$0.54	\$1,512.00	\$2.00	\$5,600.00
67	P-620-3	TEMPORARY MARKING (YELLOW)	SF	400	\$2.00	\$800.00	\$3.24	\$1,296.00	\$3.00	\$1,200.00
68	D-701-5	14"x23" ERCP	EA	419	\$40.00	\$16,760.00	\$54.00	\$22,626.00	\$63.20	\$26,480.80
69	D-752-1	MITERED END SECTION	EA	4	\$1,500.00	\$6,000.00	\$1,350.00	\$5,400.00	\$1,315.00	\$5,260.00

BID TABULATION
TAXIWAYS A AND C REHABILITATION
VENICE MUNICIPAL AIRPORT
ITB No. 2984-14 FAA AIP No. 03-12-0082-013-2014 FDOT FM No. 435087-1-94-01

Bid Opening Date: May 28, 2014 - 2:00 PM

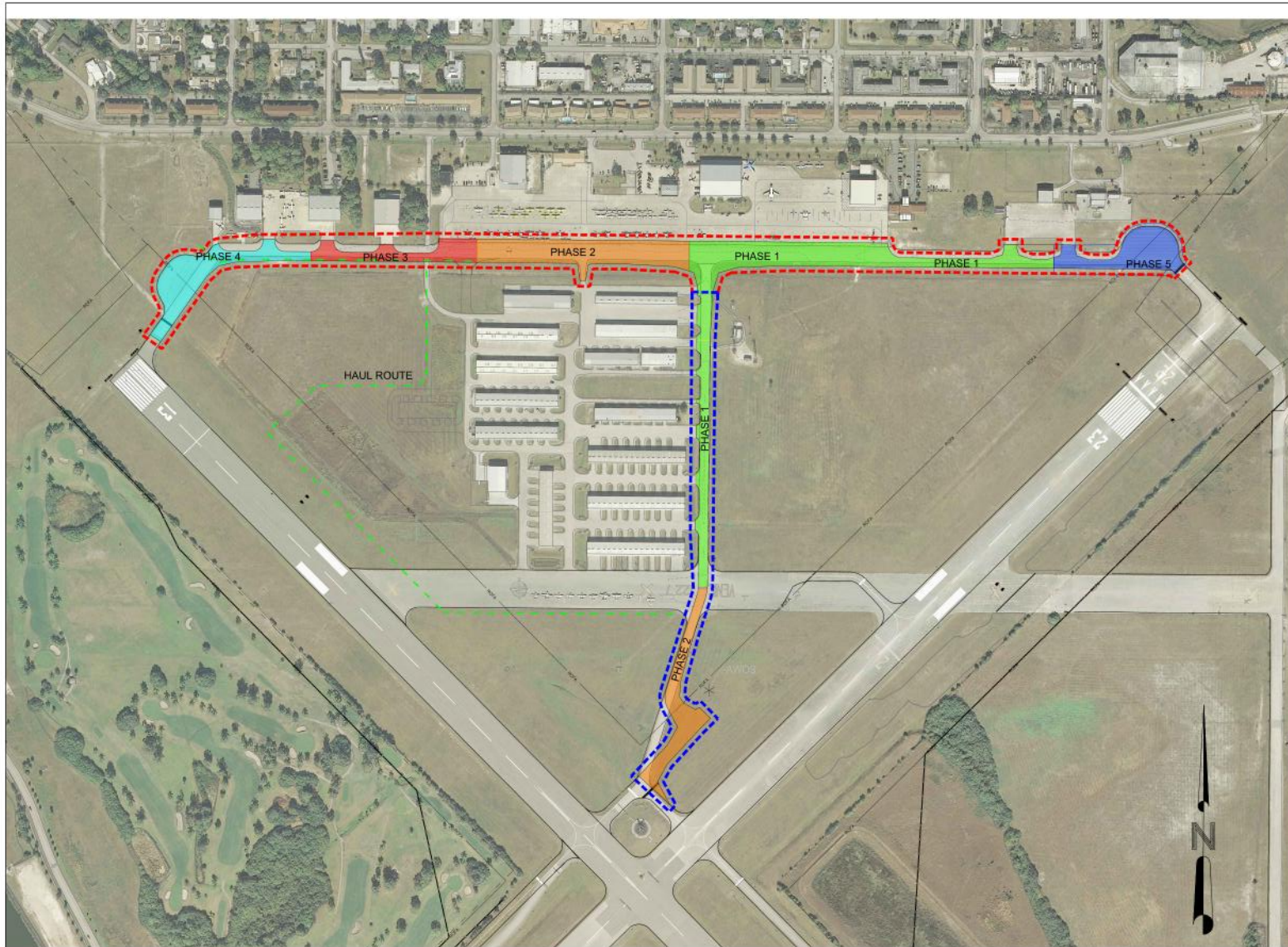
Item No.	Bid Item	Description	Unit	Quantity	ENGINEER'S ESTIMATE		OWEN-AMES-KIMBALL COMPANY		PREFERRED MATERIALS, INC.	
					Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)	Unit Price (Dollars-Cents)	Total Amount (Dollars-Cents)
70	T-904-1	SODDING	SY	13,000	\$3.00	\$39,000.00	\$2.48	\$32,240.00	\$3.30	\$42,900.00
71	L-100-1	VERIFICATION OF EXISTING CONDITIONS	LS	1	\$20,000.00	\$20,000.00	\$9,859.32	\$9,859.32	\$4,750.00	\$4,750.00
72	L-104-1	TEMPORARY AIRFIELD LIGHTING DURING CONSTRUCTION	LS	1	\$10,000.00	\$10,000.00	\$2,062.80	\$2,062.80	\$2,000.00	\$2,000.00
73	L-108-1	NO. 8 AWG, L-824C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	LF	23,000	\$2.00	\$46,000.00	\$1.19	\$27,370.00	\$1.15	\$26,450.00
74	L-108-2	NO. 6 AWG, BARE SOLID COPPER COUNTERPOISE WIRE, INSTALLED IN TRENCH	LF	5,700	\$4.00	\$22,800.00	\$1.46	\$8,322.00	\$1.40	\$7,980.00
75	L-108-3	3/4" X 10' COPPER CLAD STEEL GROUND RODS, INCLUDING GROUND CONNECTORS	EA	80	\$200.00	\$16,000.00	\$110.16	\$8,812.80	\$107.00	\$8,560.00
76	L-108-4	10' ADDITIONAL GROUND ROD SECTIONS	EA	160	\$100.00	\$16,000.00	\$97.20	\$15,552.00	\$95.00	\$15,200.00
77	L-110-1	ELECTRICAL DUCT BANK, 2 WAY 4" PVC, DIRECT BURIED	LF	400	\$25.00	\$10,000.00	\$14.20	\$5,680.00	\$13.85	\$5,540.00
78	L-110-2	ELECTRICAL DUCT BANK, 2 WAY 4" PVC, CONCRETE ENCASED	LF	250	\$30.00	\$7,500.00	\$31.75	\$7,937.50	\$31.00	\$7,750.00
79	L-110-3	ELECTRICAL DUCT BANK, 4 WAY 2" PVC, CONCRETE ENCASED	LF	50	\$35.00	\$1,750.00	\$32.56	\$1,628.00	\$31.75	\$1,587.50
80	L-110-4	ELECTRICAL CONDUIT, 1 WAY 2" PVC, DIRECT BURIED	LF	5,000	\$3.00	\$15,000.00	\$3.46	\$17,300.00	\$3.35	\$16,750.00
81	L-115-1	ELECTRICAL HANDHOLE	EA	4	\$6,000.00	\$24,000.00	\$5,058.72	\$20,234.88	\$4,900.00	\$19,600.00
82	L-125-1	ELECTRICAL DEMOLITION	LS	1	\$50,000.00	\$50,000.00	\$2,658.96	\$2,658.96	\$2,600.00	\$2,600.00
83	L-125-2	L-861T(L) LED TAXIWAY EDGE LIGHT	EA	55	\$900.00	\$49,500.00	\$1,073.52	\$59,043.60	\$1,045.00	\$57,475.00
84	L-125-3	L-858(L) SIGN UNIT, 2 MODULE	EA	2	\$6,500.00	\$13,000.00	\$4,915.08	\$9,830.16	\$4,700.00	\$9,400.00
85	L-125-4	L-858(L) SIGN UNIT, 3 MODULE	EA	3	\$8,500.00	\$25,500.00	\$6,545.88	\$19,637.64	\$6,384.02	\$19,152.06
86	L-125-5	RELOCATE L-858(L) SIGN UNIT, 3 MODULE, ON NEW FOUNDATION	EA	2	\$4,000.00	\$8,000.00	\$2,512.08	\$5,024.16	\$2,400.00	\$4,800.00
87	L-125-7	REPLACE SIGN PANELS, 3 MODULE	EA	2	\$1,500.00	\$3,000.00	\$589.68	\$1,179.36	\$575.00	\$1,150.00
88	L-125-8	L-858C TAXIWAY ENDING MARKER SIGN	EA	1	\$4,000.00	\$4,000.00	\$2,566.08	\$2,566.08	\$2,500.00	\$2,500.00
TOTAL BID AMOUNT - SCHEDULE B					\$947,610.00		\$1,021,564.04		\$1,139,083.36	

BID ALTERNATIVE #1 - REMOVE PORTION OF PCC APRON										
89	P-100-1	MOBILIZATION	LS	1	\$26,000.00	\$26,000.00	\$51,151.28	\$51,151.28	\$53,300.00	\$53,300.00
90	P-101-2	8" CONCRETE PAVEMENT DEMOLITION (FULL DEPTH, INCL. OVERLAY)	SY	7,225	\$14.00	\$101,150.00	\$6.66	\$48,118.50	\$30.00	\$216,750.00
91	P-101-3	ASPHALT PAVEMENT OVERLAY REMOVAL AND GRINDING (DEDUCT)	SY	-7,225	\$11.00	-\$79,475.00	\$13.63	-\$98,476.75	\$9.25	-\$66,831.25
92	P-101-4	CONCRETE SPALL REPAIR (DEDUCT)	SF	-500	\$15.00	-\$7,500.00	\$75.60	-\$37,800.00	\$70.00	-\$35,000.00
93	P-211-1	LIMEROCK BASE COURSE (8" THICK)	SY	7,225	\$25.00	\$180,625.00	\$12.29	\$88,795.25	\$16.00	\$115,600.00
94	P-401-1	BITUMINOUS ASPHALT SURFACE COURSE	TN	1,600	\$115.00	\$184,000.00	\$143.64	\$229,824.00	\$135.00	\$216,000.00
95	P-602-1	BITUMINOUS PRIME COAT	GAL	2,500	\$2.50	\$6,250.00	\$4.10	\$10,250.00	\$4.00	\$10,000.00
96	P-603-1	BITUMINOUS TACK COAT	GAL	600	\$2.50	\$1,500.00	\$4.10	\$2,460.00	\$1.50	\$900.00
97	P-605-1	SEAL EXISTING CONCRETE JOINTS (DEDUCT)	LF	-8,100	\$2.00	-\$16,200.00	\$3.08	-\$24,948.00	\$2.85	-\$23,085.00
TOTAL BID AMOUNT - BID ALTERNATIVE #1					\$396,350.00		\$269,374.28		\$487,633.75	

Total Bid Amount - SCHEDULE A	\$2,443,586.00	\$2,686,660.93	\$3,322,974.11
Total Bid Amount - SCHEDULE B	\$947,610.00	\$1,021,564.04	\$1,139,083.36
Total Bid Amount - BID ALTERNATIVE #1	\$396,350.00	\$269,374.28	\$487,633.75
Total Bid Amount - SCHEDULE A AND SCHEDULE B	\$3,391,196.00	\$3,708,224.97	\$4,462,057.47
Total Bid Amount - SCHEDULE A AND BID ALTERNATIVE #1	\$2,839,936.00	\$2,956,035.21	\$3,810,607.86
Total Bid Amount - SCHEDULE A, SCHEDULE B AND BID ALTERNATIVE #1	\$3,787,546.00	\$3,977,599.25	\$4,949,691.22



Prepared by: _____



LEGEND:

- SCHEDULE A - TAXIWAY 'A'
- SCHEDULE B - TAXIWAY 'B'
- PHASE 1 - 50 DAYS
- PHASE 2 - 45 DAYS
- PHASE 3 - 15 DAYS
- PHASE 4 - 15 DAYS
- PHASE 5 - 15 DAYS

AWARD OF SCHEDULE A ONLY = 150 DAYS
 AWARD OF SCHEDULE B ONLY = 60 DAYS
 AWARD OF BOTH SCH. A AND B = 185 DAYS



TAXIWAYS 'A' AND 'C' REHABILITATION



13000 N. DALE MABRY HWY.,
TAMPA, FL 33618
OFFICE: 813-374-2200
FAX: 813-374-8905

PROJECT LAYOUT AND PHASING PLAN

DETERMINATION OF ENVIRONMENTAL IMPACTS

Airport: Venice Municipal Airport (VNC)

Detailed Project Description (attach project drawing and additional pages as necessary):

Taxiways A and C Rehabilitation

Is the proposed project(s) listed as categorically excluded in one or more of *paragraphs 307-312 of FAA Order 1050.1E*?
YES

Please identify which paragraph(s): **310(e)**

In order for the FAA to determine the appropriate course of action, as a Categorical Exclusion, the sponsor must certify that the proposed action does **NOT** (1) involve any of the following circumstances, and does **NOT** (2) have a significant effect. A determination as to whether the proposed project (s) may have a significant environmental effect is made by considering any requirements applicable to the specific resource (see *FAA Order 1050.1E Appendix A*).

- a. Have an adverse effect on cultural resources protected under the *National Historic Preservation Act of 1966*, as amended.
- b. Have an impact on properties protected under *section 4(f) of the Department of Transportation Act*.
- c. Have an impact on natural, ecological (e.g. invasive species), or scenic resources of Federal, Tribal, State, or local significance (for example: Federally listed or proposed endangered, threatened, or candidate species or designated or proposed critical habitat under the Endangered Species Act), resources protected by the Fish and Wildlife Coordination Act; wetlands; floodplains; prime, unique, State or locally important farmlands; energy supply and natural resources; and wild and scenic rivers, including study or eligible river segments and solid waste management.
- d. Cause 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.
- e. Cause an increase in congestion from surface transportation (by causing a decrease in Level of Service below acceptable level determined by appropriate transportation agency, such as a highway agency).
- f. Have an impact on noise levels of noise-sensitive areas.
- g. Have an impact on air quality or violate local, State, or Federal air quality standards under the *Clean Air Act Amendments of 1990*.
- h. Have 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* and the *Safe Drinking Water Act*.
- i. Have effect(s) on the quality of the human environment that are likely to be highly controversial on environmental grounds. The term "controversial" means a substantial dispute exists as to the size, nature, or effect of a proposed Federal action. The effects of an action are considered highly controversial when reasonable disagreement exists over the project's risks of causing environmental harm. Opposition on environmental grounds by a Federal, state, or local government agency or by a Tribe or by a substantial number of the persons affected by the action should be considered in determining whether or not reasonable disagreement regarding the effects of a proposed action exists.
- j. Likelihood to be inconsistent with any Federal, State, Tribal, or local law relating to the environmental aspects of the proposed action.
- k. Likely 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 be contaminated with hazardous materials based on Phase I or Phase II Environmental Due Diligence Audit (EDDA's), or likely to cause such contamination

I certify that the project(s) described above meet(s) the test for a Categorical Exclusion in accordance with *FAA Order 1050.1E* and *paragraphs a thru k* above.

Signature of Authorized Airport Representative

Date

FAA Determination (by program manager signature):

Categorically Excluded: _____ Date: _____

Requires further environmental analysis: _____ Date: _____

ENVIRONMENTAL DETERMINATION CHECKLIST (FY 2014)

Airport: Venice Municipal Airport (VNC)

Proposed Project(s): Taxiways A and C Rehabilitation

Prepared and certified by: Mohsen Mohammadi Date: 5/16/14

	YES	NO	COMMENTS
IS THIS PROPOSED PROJECT LISTED AS CATEGORICALLY EXCLUDED IN FAA ORDER 1050.1E, paragraphs 307-312	x		Paragraph 310(e)
THIS PROPOSED PROJECT WILL AFFECT:			
Coastal Resources		x	
Section 4(f) Land		x	
Farmland		x	
Endangered or Threatened Species (Federal or State listed)		x	
Floodplains		x	
Hazardous Materials or Solid Waste Management		x	
Historic/Architectural, Archaeological/Cultural Resources		x	
Light Emissions or Cause Visual Impacts		x	
Natural Resources or Energy Supply		x	
Low Income or Minority Populations or Children		x	
Wetlands		x	
Wild and Scenic Rivers (study or eligible)		x	
THIS PROPOSED PROJECT IS LIKELY TO:			
Be highly controversial on environmental grounds including opposition by Federal, state, local, or Tribal or a substantial number of persons affected by the action.		x	
Be inconsistent with any Federal, State, or local law relating to the environmental aspects of the proposed action.		x	
Cause community disruption or inconsistency with plans or goals that have been adopted by the community		x	
Cause an increase of 1.5 DNL over noise sensitive areas		x	
Displace persons or businesses		x	
Disrupt local traffic patterns and substantially reduce levels of service (LOS) of roads serving the airport and surrounding communities		x	
Result in a substantial loss in community tax base		x	
Impact water quality, sole source aquifers, public water supply system, or state or tribal water quality standards		x	
Impact or violate local, state, Tribal, or Federal air quality standards		x	

Attach detailed comments for all “yes” answers on a separate sheet, and explain your justification for a request for a determination of Categorical Exclusion.

**AMMENDMENT NO. 1 TO WORK ASSIGNMENT NO. 401-2013-21 PURSUANT TO
THE JULY 13, 2010 AGREEMENT BETWEEN THE
CITY OF VENICE, FLORIDA AND
AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**

WHEREAS, on **July 13, 2010** the parties entered into an Agreement whereby American Infrastructure Development, Inc. (the “**CONSULTANT**”) would perform professional services for the City of Venice, Florida (“**OWNER**”) pursuant to an executed Work Assignment; and

WHEREAS, on May 6, 2013 the parties entered into a Renewal of the July 13, 2010 Agreement whereby the **CONSULTANT** would continue to perform professional services for the **OWNER** through July 13, 2015 pursuant to the terms of the July 13, 2010 Agreement between the parties; and

WHEREAS, on February 12, 2014, the parties entered into an agreement for the design and bidding phase services for the Taxiways A and C Rehabilitation (Work Assignment No. 401-2013-21); and

WHEREAS, the **OWNER** wishes to authorize the **CONSULTANT** to perform professional services concerning **Taxiways A and C Rehabilitation – Construction Administration Services** as an Amendment to Work Assignment No. 401-2013-21 and as more particularly described in the Scope of Services contained herein; and

WHEREAS, the **CONSULTANT** wishes to perform such professional services.

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the **July 13, 2010** Agreement and in this Amendment, the parties agree as follows:

1. General description of the project – Provide Construction Administration Services, Full-Time Resident Project Representation, and Quality Assurance Testing for the duration of construction and assist the City on project closeout.
2. Scope of services to be performed – The **CONSULTANT** will provide these services as further described in Exhibits A, C, and D.
3. Compensation to be paid – The **CONSULTANT** will be paid a Not-To-Exceed amount of **\$334,704.00**, as detailed in Exhibit B, bringing the total compensation to **\$681,699.00** for performance of the Professional Services specified in this Work Assignment.

4. Time for completion – The CONSULTANT will complete this work within 315 calendar days from the date of this Work Assignment as detailed in Exhibit A.
5. Any special conditions – Additional meetings or services required beyond those identified in the scope of work will require a separate Work Assignment.

IN WITNESS WHEREOF, the parties have executed this Amendment on the ____ day of ____, 2014.

**AMERICAN INFRASTRUCTURE
DEVELOPMENT, INC.**

By:_____

CITY OF VENICE, FLORIDA

By:_____

ATTEST:

Mayor

City Clerk

**EXHIBIT A
SCOPE OF SERVICES**



AMMENDMENT NO. 1 TO WORK ASSIGNMENT NO. 21

**CONSTRUCTION ADMINISTRATION SERVICES
TAXIWAYS A AND C REHABILITATION
VENICE MUNICIPAL AIRPORT**

American Infrastructure Development, Inc. (Consultant) will provide Construction Administration and Inspection Services for the rehabilitation of Taxiways A and C at Venice Municipal Airport. Consultant will also provide project management services. Atkins North America, Inc. (Atkins) will provide Construction Administration Services related to the electrical elements of work, as described in Exhibit C. Dunkelberger Engineering and Testing, Inc. will provide Quality Assurance Testing, as described in Exhibit D.

General Scope

The Consultant will provide the following general services under this Amendment for this project:

1. Management of the project during construction and grant closeout
2. Coordination with Project Team members (Quality Assurance Testing and Electrical Engineering)
3. Coordination with the City, FDOT, FAA, and other tenants as necessary
4. Preparation of minutes of meetings as necessary
5. Construction Administration and Full-Time Resident Project Representative (RPR)
6. Quality Assurance Testing
7. Project Closeout

Specific Scope

Specific tasks (Basic and Special Services) related to the above items are identified in each phase of the project as described below.

Basic Services

Construction Administration Services: The Consultant will perform the following tasks under this phase:

EXHIBIT A SCOPE OF SERVICES



1. Perform general coordination with the City on a weekly basis via teleconference calls to discuss the status of the project, schedule, budget, site conditions, and other issues that may arise during construction.
2. Perform general coordination with the Subconsultants on a weekly basis via teleconference calls to discuss the status of the project, schedule, budget, site conditions, and other issues that may arise during construction.
3. Prepare a Construction Management Plan as required by the FAA for City review and submittal to the FAA. The plan will include information on the quality assurance testing requirements, Contractor's quality control plan, submittals, testing lab certifications, contractor's personnel, consultant's personnel, and responsibilities of all organizations involved.
4. Participate in preconstruction conference and assist with the preparation of a contract between the City and the successful bidder; Prepare three (3) sets of conformed contract plans and documents for submittal to the successful bidder for Contract execution; Prepare three (3) sets of conformed contract plans and documents for construction use by the successful bidder.
5. 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 the Consultant. The Consultant 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. The Consultant will maintain a log of all contractor submittals which shall include the submittal date, the action taken, and the date returned to the Contractor.
6. Make periodic visits (up to two visits per month for the Project Manager and Sr. Engineer) to the construction site to determine if the work is proceeding in accordance with the contract documents and the contractor's construction schedule. The Consultant will make periodic written reports to the City to advise of any deviation from the contract documents or the contractor's construction schedule observed by or brought to the attention of the Consultant. The Consultant will keep the City informed as to the progress and quality of the work and will endeavor to protect the City against defects and deficiencies in the work completed by the contractor. The Consultant shall not have control or 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, for the acts or omissions of the contractor, subcontractors, any of their agents or the subcontractor's employees, or any other person performing any of the work, or for the failure of such persons to carry out the work in accordance with the contract documents. However, the Consultant will

EXHIBIT A SCOPE OF SERVICES



- notify the City of any such act, omission or failure on the part of the construction contractor observed by the Consultant during on-site visits.
7. Attend weekly construction meetings via teleconference. This weekly meeting will be attended by the Contractor, RPR, and the Engineer to discuss progress of the work, schedule, budget/change orders, and other construction related items. The Consultant will provide design clarifications and recommendations to assist the City in resolving field problems relating to the construction.
 8. Prepare routine change orders and assess the justification for such change orders as required. Evaluate contractor change and cost proposals and substitutions, and recommend to the City to either approve or disapprove the contractor's proposal or substitution.
 9. Review laboratory tests and shop drawings and report to the City, in writing, on such matters.
 10. Review contractor's monthly applications for payment and supporting data, review the amount owing to contractor and approve, in writing, all payments to contractor in accordance with the contract documents.
 11. Perform, together with the City, inspections of the construction site to determine if the project is substantially complete, and perform 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 the Consultant may approve, if applicable, in writing, final payment to each contractor.
 12. The Consultant will assist the City in receiving from the Contractor and forwarding to the City written warranties and related documents assembled by the contractors.

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

Special Services

In addition to the Basic Services described above, Consultant will provide the following special services required under this contract:

1. Quality Assurance Materials Testing – Dunkelberger Engineering & Testing, Inc. will provide an on-site representative to perform laboratory and field quality assurance testing services during the earthwork, base work, and paving phases of this project.

EXHIBIT A SCOPE OF SERVICES

2. Resident Project Representative (RPR) – The Consultant will provide a full-time on-site representative to perform inspections on this project. RPR will provide daily inspection reports, oversee and coordinate quality assurance testing activities, review test results, attend daily and weekly coordination meetings, and coordinate with the Consultant on the interpretation of the design documents.
3. Grant Services – The Consultant will provide Grant assistance, including the preparation of Grant Quarterly Reports and Final Grant Closeout.
4. Record Drawings – The Consultant will provide one set of drawings and CAD (and PDF) files of "record drawings," corrected to show significant changes made in the work during the construction of the project. Such corrections shall be based upon "as-built" prints, drawings, field sketches and other data furnished to the City by the Contractor.
5. ALP Update – The Consultant will update the Airport Layout Plan Drawings to reflect the changes to Taxiways A and C as part of this project. The drawings will be submitted to the City and the FAA.

Project Schedule

All work required to be performed by the Consultant pursuant to this Amendment shall be completed within the specified calendar days below from the date of this Amendment.

<u>Item</u>	<u>Duration (calendar days)</u>
Conformed Contracts and Award Phase	30
Construction Management Plan	15
Mobilization	30
Construction	185
Punchlist	30
Closeout	30

TASK	Project Principal	Project Manager	Senior Engineer	Senior Designer	Technician	Clerical	Totals
	\$185.00	\$174.00	\$154.00	\$93.00	\$61.00	\$59.00	

BASIC SERVICES

Construction Administration Services - 45 Weeks (6 weeks preconstruction - 30 weeks construction - 9 weeks punchist/closeout)

1	Coordinate with Owner	48				8	56
2	Coordinate with Subconsultants	24	40			24	88
3	Prepare a Construction Management Plan	8	32			4	44
4	Prepare for and Attend Pre-Construction Conf	4	4			2	10
5	Review Shop Drawings/Submittals	8	48			16	72
6	Periodic Site Visits (2 per month - Six months))	36	48				84
7	Weekly Progress Meetings (26 Weeks)	26	48				74
8	Prepare Change Orders	4	24			4	32
9	Review Test Results	4	40			8	52
10	Review Periodic Payment Requests	2	16			8	26
11	Perform Final Inspection/Prepare Punch list (2 Visits)	8	12			4	24
12	Assist in Project Closeout	8	16			24	48
Total Labor Hours:		180	328			102	610
Total Labor Costs:		\$31,320.00	\$50,512.00			\$6,018.00	\$87,850.00

SPECIAL CONDITIONS

1	Deduction if only Schedule A (Taxiway A) is Awarded - 120 days of Construction	-\$10,764.00
2	Deduction if only Schedule B (Taxiway C) is Awarded - 60 days of construction	-\$23,108.00

Subconsultant Services

1	Electrical Engineering - Atkins		\$29,584.00
2	Deduction if only Schedule A is Awarded	-\$5,000.00	
3	Deduction if only Schedule B is Awarded	-\$9,000.00	

Expenses

1	Document Preparation/Closeout	\$2,500.00
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TOTAL BASIC FEES (Lump Sum):	\$119,934.00
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SPECIAL SERVICES

1	Quality Assurance Testing (Time & Material)					\$56,010.00
2	RPR Services - 30 Weeks (Hourly)	30 Weeks @	50	Hours @	\$95.00	\$142,500.00
4	Grant Services (Quarterly Reports/Closeout) (Lump Sum)	4	24		16	\$5,336.00
5	Prepare and Submit Record Drawings (Lump Sum)	2	16	24	8	\$5,516.00
6	ALP Update	2	12	32	4	\$5,408.00

TOTAL SPECIAL SERVICES FEES (NOT-TO-EXCEED)	\$214,770.00
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TOTAL FEES (NOT-TO-EXCEED)	\$334,704.00
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Total Fees (Not-To-Exceed) if Only Schedule A is Awarded:	\$233,267.00
Total Fees (Not-To-Exceed) if Only Schedule B is Awarded:	\$188,926.00

EXHIBIT C

~~EXHIBIT A~~

**SCOPE OF WORK
FOR
CONSTRUCTION ADMINISTRATION PHASE SERVICES
FOR THE
RECONSTRUCTION OF TAXIWAYS ALPHA AND CHARLIE
AIRFIELD LIGHTING AND SIGNAGE IMPROVEMENTS
AT THE
VENICE MUNICIPAL AIRPORT**

April 1, 2014

I. BACKGROUND INFORMATION:

Venice Municipal Airport (VNC) is a general aviation facility in Venice, FL owned by the City of Venice (CITY). The airport has a single Fixed Base Operator (FBO), general aviation hangars, transient and local aircraft parking, and aircraft fueling and maintenance facilities. The airfield utilizes two runways: Runway 5-23 and Runway 13-31.

The CITY intends to rehabilitate Taxiway A from Runway 13 end to Runway 5 end and Taxiway C from the intersection with Taxiway A to the intersection with Taxiways E and D. American Infrastructure Development, Inc. (AID) has been selected by the CITY to prepare construction documents and provide bidding services for bid packages associated with the reconstruction of Taxiways A and C.

AID has requested that Atkins (CONSULTANT) prepare this scope of work to support the Taxiways Alpha and Charlie Airfield Lighting and Signage Improvements Construction Administration. Taxiway A lighting improvements will include the demolition and installation of all new taxiway edge lighting, signage, grounding systems, handholes, cable and conduit, and modifications to the existing airfield electrical vault. The construction administration will include pre-construction, submittal review, change order preparation, RFI preparation, site visits, and record drawings.

The scope of services to be performed by the CONSULTANT will be completed in accordance with generally accepted standards of practice and will include the services to complete the tasks outlined below.

The CONSULTANT understands that the project will be bid with separate bid schedules for Taxiway A and Taxiway C work and only a portion of the work may be awarded based on available funding. In the event that only one of the Bid Schedules is awarded, the CONSULTANT has provided a fee adjustment on Exhibit B.

II. SCOPE OF WORK

For the purposes of scope definition and CONSULTANT fee development, the work has been divided into the following tasks. Any modifications and/or revisions to these tasks will constitute a change in the project scope and may require a revision to the compensation to be paid to the CONSULTANT. These tasks will begin once the AID provides the CONSULTANT with a written Notice to Proceed. These tasks will be complete once the CONSULTANT delivers closeout documents to AID.

Task 1 – Project Administration and Coordination

This task involves the internal management of the Agreement including subconsultant management, project bookkeeping, billing, and coordination with project stakeholders. The Project Manager (PM) will be readily available to the project team and the COUNTY to oversee necessary project related elements. The PM will oversee the work schedule and coordinate necessary revisions. The PM will ensure the necessary resources are provided to the Project as necessary to fulfill the Agreement.

Deliverable: None

Task 2 – Pre-Construction Conference and Site Visit

Under this task, the CONSULTANT will attend a preconstruction meeting. The purpose of this meeting will be to review general administrative procedures of the contract, review technical requirements, begin the submittal process, and other items as defined in the Contract Documents. Pertinent information related to the portion of the upcoming construction project designed by the CONSULTANT will be discussed with the Contractor.

Deliverable: Contributions to Meeting Minutes

Task 3 – Construction Submittal Review

The CONSULTANT will aid in the construction process by reviewing construction submittals relevant to the portion of work designed by the CONSULTANT. Reviews will be completed to ensure that the portion of the work shown in the shop drawing is in general conformance with the Construction Documents. Reviews of shop drawings by the CONSULTANT will not relieve the Contractor of the responsibility of compliance with the Contract Documents.

The CONSULTANT will have seven (7) business days to return submittals unless otherwise agreed with AID in advance. Documents will be provided to the CONSULTANT as a scanned PDF copy and returned to AID electronically in PDF format. Specific work scope items include:

- Review of submittals
- Explanations for rejection
- Review of critical path submittals in a timely and efficient manner
- Submittals will be received in electronic format
- Submittals will be returned in electronic format

Deliverable: Electronic submittals reviews

Task 4 – Construction Meetings and Site Visits

The CONSULTANT will make periodic site visits throughout the construction of the project. Such visits are not intended to be exhaustive in examining the Contractor's work in progress, but rather to provide a general observation of the work based on professional judgment. The CONSULTANT will review the Contractor's work as observed for general conformance with the Contract Documents. The CONSULTANT will not visit the site to direct or supervise the Contractor's work. These site visits may be coordinated to happen concurrently with regular project meetings or they may be held at other times. For purposes of scope definition it is assumed there will be a maximum of two (2) site visits for this Project. The CONSULTANT will be available for teleconference for construction meetings, as needed.

Deliverable: Contributions to Meeting Minutes and Participation in Construction Meetings

Task 5 – Prepare Change Orders/RFI's

The CONSULTANT will prepare necessary change orders related to the portion of work designed by the CONSULTANT as needed by the Contractor, AID, or the CITY. The CONSULTANT will also prepare and Requests for Information on any items unclear in the issued for construction documents. These items that arise during construction will be returned in a timely manner in order to prevent any delays. If a change order or RFI shall create a new design or work that was outside the CONSULTANT's original design scope of work, the CONSULTANT shall be eligible for additional compensation.

Deliverable: Documents as necessary

Task 6 – Substantial Completion Inspection Site Visit and Report

This task will include an inspection site visit with a report detailing the work needed to be completed and the progress of the current construction. While at this inspection, the CONSULTANT will review the work for general conformance with the Contract Documents and assist AID with determining a level of completeness. The CONSULTANT's attendee(s) will work with AID to develop a list of items for inclusion in the substantial completion punch list.

Deliverable: Report

Task 7 – Record Drawings

Construction record drawings related to the CONSULTANT's portion of the project will be reviewed for accuracy with AID and the Contractor. A thorough documentation of changes made to the original issued for construction drawings will be provided by the contractor to the CONSULTANT and reviewed with any further questions resolved. Electronic As-Built drawings will be prepared from the final record drawings with any red-lines necessary. These drawings will incorporate the red-lines from the contractor into a final set to be kept by the client.

Deliverable: Electronic Record Drawings

Task 8 – Project Close-Out

This task will include coordination of close-out documents for the Project as required by the CITY, FDOT, and/or FAA.

Deliverable: Close-out documents as necessary

III. ASSUMPTIONS

The following is a list of assumptions forming the basis of the CONSULTANT's cost proposal included herein, as Exhibit B, for providing the services detailed in the Scope of Services for this project. Any modification and/or revision to these basic assumptions will constitute a change in the project scope and may result in a revision to the CONSULTANT's cost proposal.

1. AID shall provide all necessary documents to CONSULTANT in an acceptable format.
2. The construction submittals will comply with design documents and FAA Advisory Circulars:
 - a. 150/5345-53D, *Airport Lighting Equipment Certification Program*
 - b. 150/5340-30G, *Design and Installation Details for Airport Visual Aids*
 - c. 150/5340-18F, *Standards for Airport Sign Systems*
 - d. 150/5345-7E, *Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits*
 - e. 150/5345-26D, *Specification for L-823 Plug and Receptacle, Cable Connectors*
 - f. 150/5345-42G, *Specification for Airport Light Bases, Transformer Houses, Junction Boxes and Accessories*
 - g. 150/5345-44J, *Specification for Taxiway and Runway Signs*
 - h. 150/5345-46D, *Specification for Runway and Taxiway Light Fixtures*
 - i. 150/5345-47C, *Specification for Series to Series Isolation Transformers for Airport Lighting Systems*
3. This scope of service is for the construction administration phase of the project.
4. The fees for the provision of construction services are based on the construction duration for the project specified in the construction documents and an assumed level of staff effort as described herein. In the event the construction duration or level of effort required of the CONSULTANT is greater than estimated and specified herein, the CONSULTANT shall be entitled to additional compensation and the terms of this agreement shall be re-negotiated and amended as needed.

5. CONSULTANT shall not be responsible for the acts or omissions of any Contractor, subcontractor, or supplier at the site or otherwise furnishing or performing any of the Contractor's work.
6. It will be the responsibility of the Contractor to obtain any permits necessary for construction. The CONSULTANT will not be applying for or obtaining any permits for this project.
7. This scope of services does not include preparation for or testimony during any mediation or litigation which might arise from disputes between the Owner and Contractor. Such preparation for or testimony during litigation or mediation, should it be necessary, shall be considered outside the scope of this contract.
8. The CONSULTANT shall not have any obligation related to Quality Control or Quality Assurance Testing for the project.

~~END EXHIBIT A~~

EXHIBIT E

**MAN-HOUR FEE ESTIMATE
CONSTRUCTION ADMINISTRATION SERVICES
RECONSTRUCTION OF TAXIWAYS ALPHA AND CHARLIE
VENICE MUNICIPAL AIRPORT**



TASK	TASK DESCRIPTION	Sr. PM \$180.00	Sr. Elec Engineer \$155.00	Elec Engineer \$78.00	Admin \$60.00	TASK HOURS	TASK FEE	SUBTOTAL FEE
1	Project Administration and Coordination	24			12	36	\$ 5,040	
2	Pre-Construction Conference and Site Visit	4	8		2	14	\$ 2,080	
3	Construction Submittal Review		8	16	4	28	\$ 2,728	
4	Construction Meetings and Site Visits	8	32	32	4	76	\$ 9,136	
5	Prepare Change Orders/RFI's		8	16	8	32	\$ 2,968	
6	Substantial Completion Inspection Site Visit and Report		16		4	20	\$ 2,720	
7	Record Drawings		4	16		20	\$ 1,868	
8	Project Close-Out	2	4	8	4	18	\$ 1,844	
Totals:		38	80	88	38			\$ 28,384

Reimbursable Expenses (Printing, Copies, Mailings, Etc.) \$ 1,200

TOTAL LUMP SUM FEE \$ 29,584

Assumptions:

1. Pre-conference (1 site visit), Construction Meetings (2 site visits), Substantial Completion (1 site visit)

Special Conditions:

1. Deduction if only Schedule A is awarded (120 calendar days): (\$5,000) Adjusted total = \$ 24,584
2. Deduction if only Schedule B is awarded (60 calendar days): (\$8,000) Adjusted total = \$ 21,584

EXHIBIT D



March 26, 2014

American Infrastructure Development, Inc.
13000 North Dale Mabry Highway
Tampa, FL 33618

Attn: Mr. Mohsen Mohammadi, Ph.D., P.E.
Senior Consultant
Tel: 813-374-2200
Mob: 813-244-6609
Email: Mohsen@aidinc.us

Re: Engineering Services During Construction
Venice Airport Taxiways A and C
Venice, FL
Dunkelberger Proposal No.: PHC140038

Dear Mr. Mohammadi:

Dunkelberger Engineering and Testing, a Terracon Company is pleased to provide Engineering Services During Construction for the Venice Municipal Airport – Taxiways A and C project.

A. PROJECT INFORMATION

Site Location	150 Airport Avenue East, Venice, FL 34285
Planned Construction	The rehabilitation of Taxiways A and C.
Pavements	Existing pavements are asphalt concrete.

B. SCOPE OF SERVICES

Dunkelberger will provide CTQP qualified and certified engineering technicians to perform the necessary construction materials testing for the project. We have assumed that right of access will be provided by the client and that the field work will occur during normal business hours (7 a.m. to 7 p.m., Monday through Friday).

Based on our understanding of the project, we propose to provide the following scope of services:



Proposal for Geotechnical Engineering Services

Venice Airport Taxiways A and C

Venice, Florida

Dunkelberger Proposal No: PHC140038

DUNKELBERGER

engineering & testing, inc.

A TETRA TECH COMPANY

- In-place density testing (ASTM D 2922) for the stabilized subgrade and base for the reconstructed taxiways.
- Soils laboratory testing including gradations, organic content tests, Modified Proctors (ASTM D 1557) and LBR's (FM 5-515).
- Asphalt mix design review.
- Asphalt plant testing and inspection.
- Project management including periodic site visits, meeting attendance, data review, and report preparation.

C. SCHEDULE

Construction is expected to begin in September and continue for approximately 6 months during which engineering services will be provided.

D. COMPENSATION

The engineering services and report will be performed on a unit rate basis with a budget of **\$56,010**. We will invoice on a monthly cycle, based on actual quantities of work performed. Quantities will vary dependent upon project sequencing and duration. Services requested but not shown on the budget estimate will be performed in accordance with the unit fee schedule attached. Engineering services, such as non-routine materials evaluations, exploration and client/consultant meetings are excluded from our cost estimate.

Other terms and conditions pertaining to the engagement of our services are discussed in the attached General Conditions. The General Conditions are hereby incorporated into and made a part of this proposal.

E. AUTHORIZATION

This proposal may be accepted by signing the respective site-specific Agreement for Services (attached) and returning one copy along with this proposal to scottp@detinc.net. This proposal is valid only if authorized within sixty days from the listed proposal date.

Proposal for Geotechnical Engineering Services

Venice Airport Taxiways A and C

Venice, Florida

Dunkelberger Proposal No: PHC140038

DUNKELBERGER
engineering & testing, inc.
A TERRACON COMPANY

We appreciate the opportunity to be part of your team on this project. Please contact us if you have questions or comments regarding this proposal.

Sincerely,

Dunkelberger Engineering & Testing, a Terracon Company



Scott N. Parrish, P.E.
Department Manager



Douglas S. Dunkelberger P.E.
Office Manager

Attachments: Estimated Budget
Agreement for Services

Budget Estimate

Project Name: Venice Airport - Taxiways A and C					Dunkelberger Engineering & Testing, Inc.							
Client Name: American Infrastructure Development, Inc.					8260-B Vico Court							
Dunkelberger Proposal # PHC140038					Sarasota, Florida 34240-7844							
Project Duration : 6 Months					PH:(941) 379-0621 FAX (941) 379-5061						Contact: Scott N.Parrish, P.E.	
Airport Modifications												
	Contract Amount				Previously Completed		Completed This Invoice		Completed to Date		Remaining on Contract	
Itemized Services	Qty	Unit	Price	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
Fieldwork												
Senior Engineering Tech - 30 hrs/week for 12 weeks	360	hours	\$65.00	\$23,400.00	0	\$0.00	0	\$0.00	0	\$0.00	360	\$23,400.00
Asphalt Plant Technician - 40 hrs/week for 4 weeks	160	hours	\$65.00	\$10,400.00	0	\$0.00	0	\$0.00	0	\$0.00	160	\$10,400.00
Nuclear Density Gage	60	day	\$50.00	\$3,000.00	0	\$0.00	0	\$0.00	0	\$0.00	60	\$3,000.00
Coring Equipment	5	day	\$250.00	\$1,250.00	0	\$0.00	0	\$0.00	0	\$0.00	5	\$1,250.00
Vehicle Use (46 miles/day)	3680	mile	\$0.65	\$2,392.00	0	\$0.00	0	\$0.00	0	\$0.00	3680	\$2,392.00
Subtotal I				\$40,442.00	\$0.00		\$0.00		\$0.00		\$40,442.00	
Laboratory												
Proctors	4	test	\$100.00	\$400.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$400.00
Grain Size Distribution	4	test	\$60.00	\$240.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$240.00
Organic Content Test	4	test	\$35.00	\$140.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$140.00
LBR's	15	test	\$300.00	\$4,500.00	0	\$0.00	0	\$0.00	0	\$0.00	15	\$4,500.00
Subtotal II				\$5,280.00	\$0.00		\$0.00		\$0.00		\$5,280.00	
Engineering Svcs.												
Principal Engineer (1 hrs/wk)	16	hours	\$175.00	\$2,800.00	0	\$0.00	0	\$0.00	0	\$0.00	16	\$2,800.00
Professional Engineer (2 hrs/wk)	32	hours	\$120.00	\$3,840.00	0	\$0.00	0	\$0.00	0	\$0.00	32	\$3,840.00
Staff Engineer (2 hrs/wk)	32	hours	\$85.00	\$2,720.00	0	\$0.00	0	\$0.00	0	\$0.00	32	\$2,720.00
Clerical (1 hrs/wk)	16	hours	\$58.00	\$928.00	0	\$0.00	0	\$0.00	0	\$0.00	16	\$928.00
Subtotal III				\$10,288.00	\$0.00		\$0.00		\$0.00		\$10,288.00	
Airport Total				\$56,010.00	\$0.00		\$0.00		\$0.00		\$56,010.00	
Percent of Contract				100.0%	0.0%		0.0%		0.0%		100.0%	

Dunkelberger



Engineering | Architecture | Planning | Allied Services

Hanson Professional Services Inc.
9015 Town Center Parkway, #105
Lakewood Ranch, FL 34202
(941) 342-6321
Fax: (941) 379-6474
www.hanson-inc.com

May 27, 2014

Christopher Rozansky, CM
Airport Administrator
City of Venice
150 Airport Avenue East
Venice, Florida 34285

**RE: Independent Fee Estimate,
Taxiways A and C Rehabilitation – Construction Administration Services
Venice Municipal Airport**

Dear Mr. Rozansky;

As requested, Hanson Professional Services Inc. has completed the independent estimate of costs associated with the above referenced project. The Scope of Work for this project is outlined in the attached Exhibit A - Scope of Services, Amendment to Work Assignment #21, Construction Administration Services - Taxiways A and C Rehabilitation.

Hanson's estimates of costs associated with the project are:

Basic Services (Lump Sum)

Construction Administration	\$ 82,250
Electrical Engineering Services	\$ 44,000
Document Preparation/Closeout	\$ 3,000
Subtotal – Basic Services	\$ 132,250

Special Services (Not-to-Exceed)

Quality Assurance Testing	\$ 50,000
RPR Services	\$ 144,500
Grant Services	\$ 7,180
Prepare and Submit Record Drawings	\$ 7,560
ALP Update	\$ 13,120
Subtotal – Special Services	\$ 222,360

Total Project Costs \$ 354,610

Special Conditions (Not-to-Exceed)

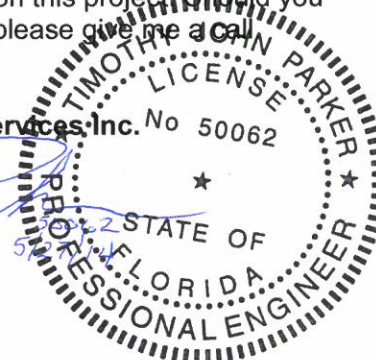
Total Fees if Only Schedule A (Taxiway A) is awarded	\$ 272,110
Total Fees if Only Schedule B (Taxiway C) is awarded	\$ 241,610

Thank you for allowing Hanson Professional Services Inc. to assist you on this project. Should you have any questions about this estimate, or need additional information, please give me a call.

Sincerely,

Hanson Professional Services Inc. No 50062

Timothy J. Parker, P.E.
Sr. Aviation Engineer



**WORK ASSIGNMENT NO. 401-2014-24 PURSUANT TO
THE JULY 13, 2010 AGREEMENT BETWEEN THE
CITY OF VENICE, FLORIDA AND
AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**

WHEREAS, on **July 13, 2010** the parties entered into an Agreement whereby the **CONSULTANT** would perform professional services for the **OWNER** pursuant to an executed Work Assignment; and

WHEREAS, on May 6, 2013 the parties entered into a Renewal of the July 13, 2010 Agreement whereby the **CONSULTANT** would continue to perform professional services for the **OWNER** through July 13, 2015 pursuant to the terms of the July 13, 2010 Agreement between the parties; and

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

WHEREAS, the **CONSULTANT** wishes to perform such professional services.

NOW THEREFORE, in consideration of the premises and mutual covenants contained in the **July 13, 2010** Agreement and in this Work Assignment, the parties agree as follows:

1. General description of the project – The City intends to improve safety at Venice Municipal Airport by shifting the end of Runway 13-31 to the south to move the Runway Protection Zone (RPZ) to the extent practicable off of the current residential community and to construction an EMAS at the end of Runway 31 safety area.
2. Scope of services to be performed – The **CONSULTANT** will provide preliminary and final design and bidding services for this project, as described in Exhibit A, Scope of Work.
3. Compensation to be paid – The **CONSULTANT** will be paid a Not-To-Exceed amount of **\$789,272.00**, as detailed in Exhibit B.
4. Time for completion – The **CONSULTANT** will complete this work within 300 calendar days from the date of this Work Assignment as detailed in Exhibit A.
5. Any special conditions – Additional meetings or services required beyond those identified in the scope of work will require a separate Work Assignment.

IN WITNESS WHEREOF, the parties have executed this work assignment on the ____ day of ____, 2014.

**AMERICAN INFRASTRUCTURE
DEVELOPMENT, INC.**

By:_____

CITY OF VENICE, FLORIDA

By:_____

Mayor

ATTEST:

City Clerk

**EXHIBIT A
SCOPE OF SERVICES**



WORK ASSIGNMENT #24

**RUNWAY 13-31 RUNWAY PROTECTION ZONE IMPROVEMENTS
VENICE MUNICIPAL AIRPORT**

Scope of Services

The City of Venice intends to perform the following improvements at Venice Municipal Airport, as shown in Figure 1. These improvements are in conjunction with the proposed safety enhancements on Runway 13-31 as required by the FAA. Specifically, the goal of this project is to improve safety on the approaches to Runway 13-31 by relocating the Runway Protection Zones to the extent practicable to clear facilities that are incompatible with aircraft operations.

1. Relocation of Runway 13 RPZ (Runway Protection Zone) by shifting and extending the existing Runway 31 end to the south from its present location to provide a 5,727-ft paved runway.
2. Installation of an Engineered Materials Arresting System (EMAS) on the Runway 31 end.
3. Installation of a solar powered security camera in the vicinity of the EMAS.
4. Pavement rejuvenation of the existing pavement on Runway 13-31.
5. Re-marking of Runway 13-31 pavement.
6. Extension of parallel Taxiway D to provide access to the new Runway 31 end.
7. Rehabilitation of Taxiway D from Runway 4-22 to its current terminus.
8. Construction of a new Connector Taxiway B (including demolition of sections of pavement on abandoned east-west runway) to Runway 13-31.
9. Replacement of existing fence southeast of Runway 13-31 with wildlife deterrent fencing.
10. Replacement and relocation of the existing fence north of Runway 13 end.
11. Obstruction survey and clearing of trees identified by the FAA as being located in the approaches to Runway 13-31.
12. Home or aviation easement acquisition of two properties placed in the Runway 13 relocated RPZ and demolition of the acquired homes. This work will require a separate Notice-To-Proceed from the City.
13. Installation of LED lighting on Runway 13-31, Taxiway D, and connectors.
14. Relocation and/or replacement (with LED) of Runway 13 PAPI's.
15. Replacement of Runway and Taxiway regulators.
16. Construction of landscaping berm (including landscaping) on the northwest corner of Runway 13 end.
17. Installation of Wind Sock lighting, including obstruction lighting.
18. Removal of Existing ODALS on Runway 31 approach.
19. Installation of new LED REIL's on Runway 13-31.

EXHIBIT A SCOPE OF SERVICES

20. Installation of a new vault generator.

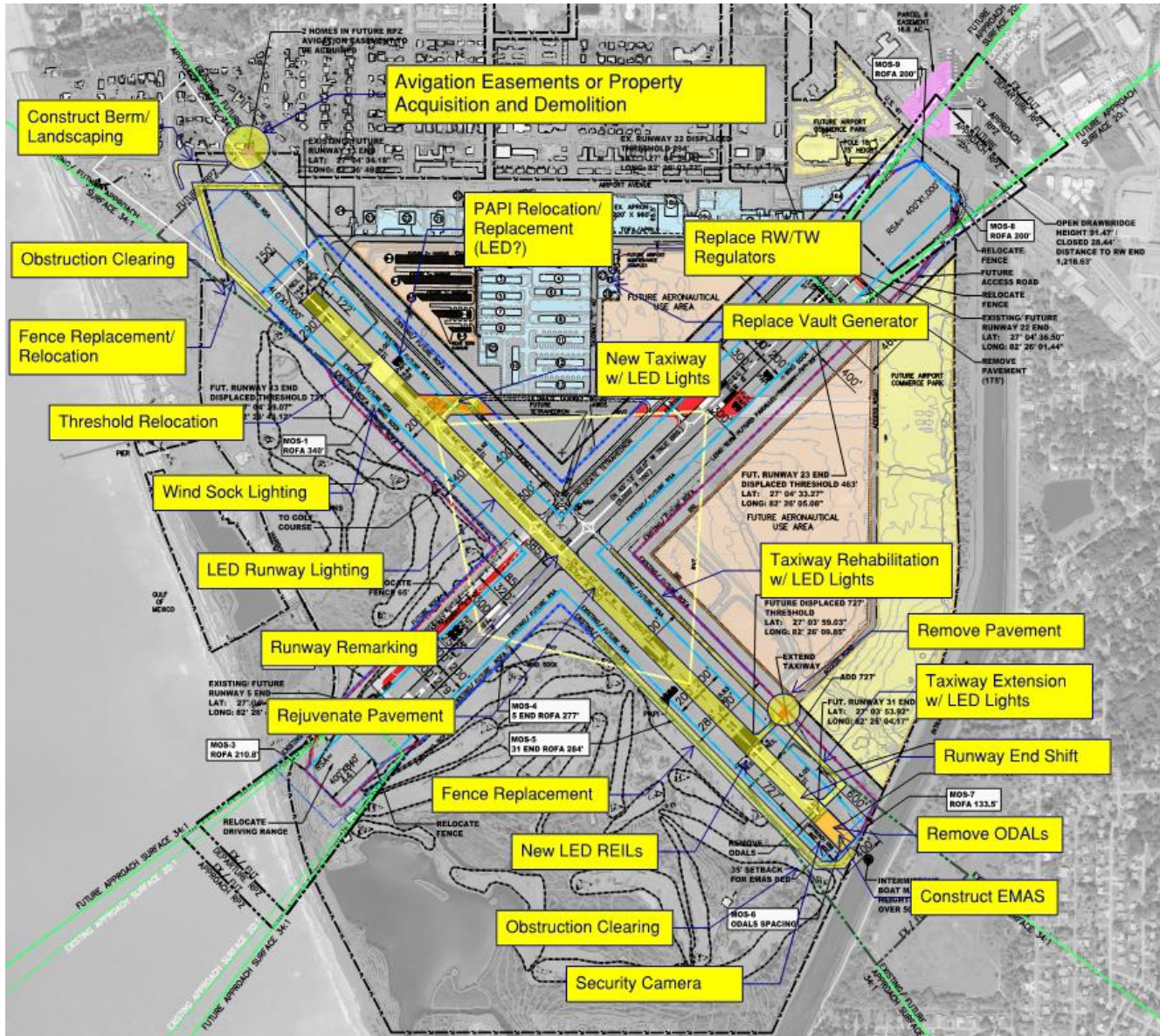


Figure 1 – Runway 13-31 Improvements (Source: 2011 ALP)

Project Background

The existing Runway 13 RPZ contains 24 single family residences within its limits as depicted on the ALP (Figure 1). In 2010 the estimated cost to purchase, relocate and remove the homes exceeded \$16.0 million. The City of Venice does not wish to purchase and remove the homes through an acquisition program. As such, the FAA has indicated a willingness to implement an alternative to relocate the RPZ to the extent practicable onto existing airport property. This alternative would remove all but two homes from within the RPZ limits. In order to maintain the

EXHIBIT A SCOPE OF SERVICES

present design standards and operational utility of the existing primary Runway 13-31, the project elements defined above must be implemented. These elements would maintain an existing runway useful length of 5,000 feet through the application of declared distances, provide for equivalent approach capabilities, maintain the existing airport reference code (C-II), and provide for additional safety by enhancing the Runway 13-31 RSA/ROFA to the extent practicable. The runway dimensions, once completed, will be 5,727 feet long by 150 feet wide with 5,000 feet of runway available for take offs and landings.

The City is currently conducting an Environmental Assessment (EA) for this safety enhancement project, as required by the FAA. It is anticipated that the FAA will issue a FONSI (Findings of No Significant Impact) for the construction of this project. The EA is anticipated to be complete by mid-2014.

The Consultant will provide Professional Services for coordinating the pre-design field investigations, perform the design and permitting, and provide bidding phase services for this project.

General Information

1. Runway 13-31 Threshold Relocation

The existing Runway 13-31 pavement was rehabilitated in 2006 by milling and overlaying the existing asphalt surface course. The FDOT performed a pavement evaluation of this runway in 2011 and provided a Pavement Condition Index Rating of 88 (out of 100). The runway is 4,999 feet long and 150 feet wide. It is currently considered the primary runway at VNC with Runway 5-23 designated as the preferred noise mitigation runway.

The relocation of the threshold on Runway 13-31 will include the following elements:

- a) Construction of additional 727 feet X 150 feet of pavement on the Runway 31 end to relocate the end of the runway.
- b) Extension of Taxiway D to the new Runway 31 end.
- c) Relocation of Runway 13 threshold by 727 feet to the southeast.
- d) Modification of Runway 13-31 pavement markings to reflect the new runway ends and thresholds.
- e) Construction of a new connector taxiway at the intersection of Runway 13-31 and the abandoned Runway 9-27. This will also require the demolition of the existing pavement within Runway 13-31 Object Free Area and the construction of a new connector taxiway meeting current FAA Airport Design Guidelines.

EXHIBIT A SCOPE OF SERVICES

- f) Drainage design and modification of existing stormwater system meeting the approved Stormwater Conceptual Permit and the new Airport related stormwater rules approved in October 2013 by Water Management Districts.

The approximate construction cost for the above airfield modifications and other items identified in Figure 1 (except for the EMAS) is \$4,000,000.

Atkins North America, Inc. (Atkins) will provide professional engineering services related to all the airfield electrical (lighting, signage, NAVAIDS), including the replacement of the existing generator. Atkins will also perform Quality Reviews of the construction documents associated with this project.

2. Runway 31 EMAS

The City investigated the use of an EMAS at the southeast end of Runway 13-31 to provide an equivalent 1,000-ft Runway Safety Area required for this runway. Based on the approved Master Plan and Airport Layout Plan, the EMAS be have 312 feet long and 150 feet wide with a setback of 35 feet from the new relocated runway end. These dimensions will be verified and updated as part of this Work Assignment.

The approximate cost for the construction of the EMAS is \$5,500,000.

Jacobs Engineering Group, Inc. (Jacobs) will perform Quality Reviews of the construction documents associated with the EMAS portion of this project.

Design Criteria

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

1. FAA Advisory Circular AC 150/5300-13A – Change 1, “Airport Design”
2. FAA Advisory Circular AC 150/5320-6E, “Airport Pavement Design and Evaluation”
3. FAA Advisory Circular AC 150/5340-1J, “Standards for Airport Marking”
4. FAA Advisory Circular AC 150/5345-44J, “Specification for Runway and Taxiway Signs”
5. FAA Advisory Circular AC 150/5340-30D, “Design and Installation Details for Airport Visual Aids”
6. FAA Advisory Circular AC 150-5220-22 - EMAS Arresting System

Construction drawings will be prepared in AutoCAD 2014 format.

EXHIBIT A SCOPE OF SERVICES

General Scope

The Consultant will provide the following general services for this project:

1. Management of the project from program verification to the bid opening and award of the contract.
2. Coordination with survey, geotechnical, electrical, environmental, land acquisition, landscaping, and EMAS Subconsultants.
3. Coordination with the City, the FDOT, and the FAA.
4. Preparation of minutes of meetings.
5. Program verification and site investigations.
6. Design and preparation of the construction and front-end contract documents.
7. Preparation of the Engineer's Report and construction cost estimates.
8. Bidding and award assistance.

Specific Scope

Specific tasks (Basic and Special Services) related to the above items are identified in each phase of the project as described below.

Basic Services

Phase 1A – Program Verification: The Consultant will perform the following tasks under this phase:

1. Determine number and locations of pavement cores.
2. Meet and coordinate with the survey and geotechnical Subconsultants.
3. Coordinate and attend a Pre-Design meeting with the City, FAA, and tenants on project issues such as design alternatives, project phasing, construction staging, budget, and schedule.
4. Prepare a preliminary construction schedule taking into account weather and air traffic conditions.
5. Identify any additional information that may be required from field investigations or other agencies.

Phase 1B – Schematic Design (not included)

EXHIBIT A SCOPE OF SERVICES

Phase 2 – Design Development (30%)

Following the Program Verification phase and the receipt and review of survey and geotechnical data, the Consultant will proceed with the 30% level design and plans production. The Consultant will visit the site to field verify the survey information and address any comments received during the Program Verification phase. Specifically, the following tasks will be performed under this phase:

1. Preliminary pavement design
2. Preliminary phasing analysis
3. Evaluate night-time and day-time construction alternatives
4. Prepare 30% drawings
5. Update the construction cost estimate
6. Update the construction schedule
7. Prepare Preliminary Engineer's Report
8. Identify any modifications to FAA standards (such as base reclamation)
9. Prepare an outline of technical specifications

Deliverables: The Consultant will submit two (2) 11"X17" copies of 30% drawings and a Preliminary Engineer's Report to the City for review. Upon receipt of review comments from the City, the Consultant will proceed with the 60% level contract documents.

Phase 3A – Contract Documents (60%)

During this phase, the Consultant will continue with the design and preparation of the construction drawings and specifications. Specifically, the following tasks will be performed under this phase:

1. Finalize the pavement design for the runway and taxiways
2. Evaluate the construction sequence and update the phasing plan
3. Prepare 60% level drawings, which will include:
 - a. Cover Sheet
 - b. Project Site/Layout Plan
 - c. Project Survey Control Plan
 - d. Geotechnical/Boring Location Plan
 - e. Project Safety Plan
 - f. Project Phasing/Construction Sequencing Plan
 - g. General/Safety Notes Plan
 - h. Project Key Sheet

EXHIBIT A SCOPE OF SERVICES

- i. Typical Sections
 - j. Staking and Demolition Plans
 - k. Paving, Grading, and Drainage Plans
 - l. Lighting and Signage Plans
 - m. Runway and Taxiway Profiles
 - n. Pavement Marking Plans
-
- 4. Review and revise construction cost estimate
 - 5. Review and revise construction schedule
 - 6. Update the Engineer's Report
 - 7. Prepare FAA and Local Front-End documents
 - 8. Prepare Draft Technical Specifications

Deliverables: The Consultant will submit two (2) 11"X17" copies of 60% drawings and a Draft Engineer's Report to the City for review. The Consultant will also prepare and submit the SWFWMD application for approval. The fees associated with the permit application will be paid by the City.

Phase 3B – Contract Documents (90%)

The Consultant will proceed with the final construction documents, including finalizing the construction phasing plan, which may include day-time and night-time construction activities. At this stage, the construction cost estimate and the construction schedule will be updated and finalized and the Engineer's Report will be completed.

The Project Manual, which will contain front-end documents, FAA General Provisions, Technical Specifications, and the geotechnical report, will also be completed. In addition, 90% construction drawings will be prepared including:

- a. Cover Sheet
- b. Project Site/Layout Plan
- c. Project Survey Control Plan
- d. Geotechnical/Boring Location Plan
- e. Project Safety Plan
- f. Project Phasing/Construction Sequencing Plan
- g. General/Safety Notes Plan
- h. Project Key Sheet
- i. Typical Sections
- j. Staking and Demolition Plans
- k. Paving, Grading and Drainage Plans

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- l. Drainage Details
- m. Lighting and Signage Plans
- n. Electrical Details
- o. Runway and Taxiway Profiles
- p. Pavement Marking Plans
- q. Obstruction Clearing Plans
- r. Fencing Plans and Details

Deliverables: The Consultant will submit one (1) full-size and two (2) 11”X17” copies of the 90% contract documents to the City, one (1) copy to the FAA, and one (1) copy to FDOT for their review. The Final Engineer’s Report and Cost Estimates will also be submitted. The Consultant will meet with the City, the FDOT, the FAA, and tenants, as necessary, to address any final comments regarding the construction of this project.

Phase 3C – Contract Documents (100%)

Upon receipt of final comments from the City and the FAA, the Consultant will proceed with the preparation of the bidding documents. This effort includes incorporating comments by updating the construction drawings, the project manual (front-end documents, general provisions, and technical specifications), the Engineer’s Report, the construction cost estimate, and the construction schedule. Signed and sealed contract documents will be submitted to the City.

Deliverables: The Consultant will submit one (1) full-size and two (2) 11”X17” signed and sealed copies of the 100% contract documents to the City and reproduce an additional 5 CD’s and one hard copy for the City Purchasing for distribution during the bidding phase.

Phase 4 – 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 City and the FAA. The City 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:

1. Prepare for and attend the Pre-Bid Conference
2. Address questions from bidders
3. Make revisions to contract documents and issue Addenda
4. Attend the Bid opening
5. Review all bids for responsiveness and accuracy
6. Prepare certified Bid Tabs
7. Make recommendation for the award of the contract

EXHIBIT A SCOPE OF SERVICES

8. Prepare Conformed Contracts

Phase 5 – Construction Administration Services (not included)

Additional Services

In addition to the Basic Services described herein, the Consultant will provide the following special services required under this contract:

1. Grant Services – The Consultant will provide Grant assistance, including the preparation of Quarterly Grant Reports and Grant Closeout, and submittal of a new Grant Application for the Construction Phase of this project.
2. Airspace Checklist – The Consultant will assist the City in the preparation of the Airspace Checklist and submit same to the FAA, via the OE/AAA web portal, in conjunction with a Construction Safety and Phasing Plan. The Consultant will submit multiple points and 7460 forms to clearly identify the different elements of the project, including construction staging areas, haul routes, and many specific construction sites for FAA's review and approval.
3. Geotechnical Services – Dunkelberger Engineering and Testing, Inc. will perform geotechnical engineering services on this project, as described in Exhibit C.
4. Field Survey – Atkins will provide topographic survey services on this project, as described in Exhibit D.
5. Obstruction Survey – Atkins will provide obstruction survey services on this project, as described in Exhibit D.
6. Electrical Engineering – Atkins will provide all engineering associated with airfield lighting, signage, NAVAIDS, electrical vault, and the generator, as described in Exhibit D.
7. SWFWMD Stormwater Permit – The Consultant will assist the City in the preparation and submission of the stormwater permit application to Southwest Florida Water Management District, meeting the approved Conceptual Permit and recently approved Airside stormwater rules adopted by the Water Management Districts.
8. Land Acquisition Services – Atkins will provide property acquisition services and will prepare documents for building demolition as described in Exhibit D. The City will issue a separate Notice-To-Proceed to the Consultant for this work.
9. Design and Construction of an earth berm and landscaping along Airport Avenue and Harbor Drive – Atkins will provide engineering and landscape architectural services for the construction of a landscaping berm as described in Exhibit D.
10. Environmental Services – Atkins will provide environmental services for NEPA compliance and as required for the removal of trees identified as obstructions to airspace, and will survey and acquire permits for the relocation of gopher tortoises within the project limits.

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SCOPE OF SERVICES

11. EMAS Design – Engineered Arresting Systems Corporation will provide design services for the construction of an EMAS at the end of Runway 31, as described in Exhibit E. Jacobs will provide Quality Reviews of the construction document for the EMAS.
12. FAA Reimbursable Agreement. The Consultant will assist the City in the preparation of a reimbursable agreement with the FAA for establishing new RNAV procedures.

Project Schedule

The City intends to receive bids by June 2015 and submit a Grant Application to the FAA for acquiring discretionary funds for the construction of this project. The following is a proposed schedule for this work:

Task	Date
Notice to Proceed	September 2014
Program Verification	By October 2014
Field Investigations	By October 2014
Design Development (30%)	By November 2015
Contract Documents (60%)	By January 2015
Submit SWFWMD Application	By March 2015
Contract Documents (90%)	By March 2015
Contract Documents (100%)	By April 2015
Bidding	By May 2015
Submit FAA Grant Application	By June 2015

FEE SUMMARY

TASK	Totals
<u>Basic Services (Lump Sum)</u>	
Phase 1A - Program Verification	\$22,694.00
Phase 1B - Schematic Design (not included)	
Phase 2 - Design Development (30%)	\$58,240.00
Phase 3A - Contract Documents (60%)	\$73,132.00
Phase 3B - Contract Documents (90%)	\$87,208.00
Phase 3C - Contract Documents (100%)	\$9,492.00
Phase 4 - Bidding and Award Services	\$18,764.00
Phase 5 - Construction Administration Services (not included)	
Total Basic Services:	\$269,530.00
<u>Other Services (Lump Sum)</u>	
1 All Services Provided by Atkins	\$249,807.00
Topographic Surveys	
Obstruction Surveys	
Airfield Electrical Engineering	
Environmental Services	
Property Acquisition/Demolition (Separate NTP Required)	
Landscape Architecture	
Quality Control	
2 Geotechnical Investigations - Dunkelberger	\$31,159.00
3 EMAS Design (Excluding Site Design) -ESCO	\$125,000.00
4 EMAS Quality Reviews - JACOBS	\$5,000.00
5 EMAS Design - Site Preparation	\$56,184.00
6 SWFWMD Permitting & Floodplain Compensation	\$27,618.00
7 Prepare CATEX	\$964.00
8 Meeting with the FAA (Modifications to Standards)	\$2,244.00
9 Grant Services (Quarterly Reports/Closeout/Application)	\$8,784.00
10 FAA Reimbursable Agreement Assistance	\$2,742.00
11 Airspace Checklist Submittal (OE/AAA), CSPP	\$6,740.00
Total Other Services:	\$516,242.00
<u>Expenses (Lump Sum)</u>	
Reproduction	\$3,500.00
Total Expenses:	\$3,500.00
<u>Total Fees (Lump Sum):</u>	\$789,272.00

NON-FAA ELIGIBLE ITEMS

TASK	Totals
<i>Design for Security Camera at EMAS Location</i>	\$10,038.00
<i>Landscape Architecture and Irrigation Design</i>	\$31,200.00
<i>Design for Existing Runway 13-31 Pavement Rejuvenation</i>	\$3,600.00
Total Non-FAA Eligible Items	\$44,838.00

TASK	Project Principal	Project Manager	Senior Engineer	Senior Designer	Technician	Clerical	Totals
	\$185.00	\$174.00	\$154.00	\$93.00	\$61.00	\$59.00	

Phase 1A Program Verification

1	Compile and Review Project related Documents	2				2	4
2	Perform a Field Inspection	4	4	4			12
3	Field Verify As-Builts		2	2			4
4	Review and Confirm Initial Cost Estimates		2				2
5	Meet and Coordinate with the City	16	8			4	28
6	Meet and Coordinate with Subconsultants	16	32			8	56
7	Evaluate Soils Data/Prepare Boring Locations	2	4	2			8
8	Prepare and Attend a Pre-Design Meeting	8	4			2	14
8	Prepare a Construction Schedule		2			2	4
9	General Coordination/Mtgs with Project Team	8	8	8		4	28
Total Labor Hours:		56	66	16		22	160
Total Labor Costs:		\$9,744.00	\$10,164.00	\$1,488.00		\$1,298.00	\$22,694.00

Phase 1B Schematic Design (not included)

Phase 2 - Design Development (30%)

1	Evaluate Pavement Section Alternatives	2	8	2			12
2	Review Geotech Report and Evaluate Findings	2	4				6
3	Preliminary Pavement Design	2	8	2			12
4	Establish Horizontal/Vertical Alignment		24	40			64
5	Preliminary Evaluation of the Phasing	2	4	2			8
6	Night-time/Day-time Construction Evaluation		2				2
7	Perform a Site Visit to Verify Survey		4	4			8
8	Meet and Coordinate with Subconsultants	8	16	4		8	36
9	Review Preliminary findings with Owner	8	8				16
10	Prepare 30% Drawings						
	a Cover Sheet			2	2		4
	b Project Site/Layout Plan			4	8		12
	c Project Key Sheet			2	2		4
	d Survey Control Plan			2	4		6
	e Typical Sections		2	4	4		10
	f Phasing Plan	2	4	2	4		12
	g Staking/Demolition Plans		8	20	40		68
	h Paving and Grading Plans		8	40	80		128
	i Paving Details			2	8		10
	j Runway/Taxiway Profiles		4	16	8		28
	k Misc. Details			2	4		6
11	Update Construction Cost Estimate		2	2			4
12	Update Construction Schedule		2				2
13	Prepare Preliminary Engineer's Report	2	16	4		16	38
14	Quality Review	8					8
15	Submit 30% Documents		4	4	4	4	16
16	General Coordination with Owner	16	16			4	36
Total Labor Hours:		52	144	160	168	32	556
Total Labor Costs:		\$9,048.00	\$22,176.00	\$14,880.00	\$10,248.00	\$1,888.00	\$58,240.00

Phase 3A Contract Documents (60%)

1	Finalize Pavement Design		8	2			10
2	Finalize Drainage Design		16	8			24
3	Review Owner and other Comments	2	4	4			10
4	Prepare 60% Drawings						
	c Project Phasing and Safety Plans		2	4	8		14
	d General Notes Plan			2	4		6
	e Project Key Sheet			2	2		4
	f Typical Sections			2	4		6

TASK	Project Principal	Project Manager	Senior Engineer	Senior Designer	Technician	Clerical	Totals
	\$185.00	\$174.00	\$154.00	\$93.00	\$61.00	\$59.00	
g Staking and Demolition Plans			4	24	64		92
h Paving and Grading Plans			24	80	120		224
i Drainage Details				2	4		6
j Runway Profile			2	8	16		26
k Taxiway and Connectors Profiles			8	16	24		48
l Paving Details				2	4		6
m Pavement Marking Plans			4	8	8		20
n Marking Details				2	8		10
o Misc. Details				2	4		6
5 Meet and Coordinate with Subconsultants		16	40	24		16	96
6 Update Construction Cost Estimate			2	2			4
7 Update Construction Schedule			2				2
8 Update Engineer's Report			16	4		8	28
9 Prepare Draft Specifications			16			8	24
10 Prepare Draft Front-End Documents			16			4	20
11 Quality Review		12					12
12 Submit 60% Documents			2	4	4	4	14
13 General Coordination with Owner		16	8			8	32
Total Labor Hours:		46	174	202	274	48	744
Total Labor Costs:		\$8,004.00	\$26,796.00	\$18,786.00	\$16,714.00	\$2,832.00	\$73,132.00

Phase 3B Contract Documents (90%)

1 Prepare 90% Drawings					2		2
a Cover Sheet					4		8
b Project Site/Layout Plan		2	2	4	8		16
c Project Phasing and Safety Plan			2	2	4		8
d General Notes Plan				2	4		6
e Project Key Sheet				2	4		6
f Boring Logs				2	4		6
g Typical Sections			2	4	8		14
h Staking and Demolition Plans		16	24	80			120
i Paving and Grading Plans		40	96	120			256
j Drainage Details			2	2	2		6
k Runway Profile			2	8	4		14
l Taxiway and Connectors Profiles			2	8	16		26
m Paving Details			2	4	16		22
n Pavement Marking Plans			2	8	16		26
o Marking Details				2	4		6
p Misc. Details			2	4	4		10
q Cross Sections			8	40	64		112
2 Meet and Coordinate with Subconsultants		8	16	16		16	56
3 Finalize Construction Cost Estimate			4	2	2		8
4 Finalize Construction Schedule			2				2
5 Finalize Engineer's Report			24	4		16	44
6 Complete Technical Specifications			24			16	40
7 Complete Front-End Documents			8			8	16
8 Quality Review		24					24
9 Submit 90% Documents			4	8	8	4	24
10 General Coordination with Owner		24	16			8	48
Total Labor Hours:		58	182	242	370	68	920
Total Labor Costs:		\$10,092.00	\$28,028.00	\$22,506.00	\$22,570.00	\$4,012.00	\$87,208.00

TASK	Project Principal	Project Manager	Senior Engineer	Senior Designer	Technician	Clerical	Totals
	\$185.00	\$174.00	\$154.00	\$93.00	\$61.00	\$59.00	

Phase 3C Contract Documents (100%)

1 Incorporate Final Review Comments	4	16	16	32	16		84
2 Prepare and Submit Final Bid Documents		4	4	8	8		24
Total Labor Hours:	4	20	20	40	24		108
Total Labor Costs:	\$696.00	\$3,080.00	\$1,860.00	\$2,440.00	\$1,416.00		\$9,492.00

Phase 4 - Bidding and Award Services

1 Coordinate with Owner	16	4			8		28
2 Distribute Bidding Documents					2		2
3 Prepare for and Attend Pre-Bid Conference	8	4			2		14
4 Answers to Bidders/Issue Addenda	8	16	8		16		48
5 Attend Bid Opening	4						4
6 Review Bids for Responsiveness	4	2			2		8
7 Certified Bid Tabs/Award Contract	2	2			2		6
8 Conformed Contract Preparation		4	16	24	16		60
Total Labor Hours:	42	32	24	24	48		170
Total Labor Costs:	\$7,308.00	\$4,928.00	\$2,232.00	\$1,464.00	\$2,832.00		\$18,764.00

Phase 5 - Construction Administration Services (not included)

Total Fees (Lump Sum): **\$269,530.00**

TASK	Project Principal	Project Manager	Senior Engineer	Senior Designer	Technician	Clerical	Total Hours	Total Dollars
	\$185.00	\$174.00	\$154.00	\$93.00	\$61.00	\$59.00		

Other Services

1	All Services Provided by Atkins							\$249,807.00
2	Geotechnical Investigations - Dunkelberger							\$31,159.00
3	EMAS Design (Excluding Site Design) -ESCO							\$125,000.00
4	EMAS Quality Reviews - JACOBS							\$5,000.00
5	EMAS Design - Site Preparation							
	a Preform Pavement Design for Bedding	2	10	4			16	\$2,260.00
	b Prepare Pavement Geometry and Site Plan		4	24	16		44	\$3,824.00
	c Prepare Preliminary Typical Sections		2	8			10	\$1,052.00
	d Coordinate and Meet with ESCO	16	32				48	\$7,712.00
	e Coordinate and Meet with the City	24	8				32	\$5,408.00
	f Coordinate and Meet with the FAA and FDOT	16	8				24	\$4,016.00
	g Prepare Preliminary EMAS Report	2	16	4	4	8	34	\$3,900.00
	h Prepare 60% Paving/Grading/Drainage Plans	4	24	40	80		148	\$12,992.00
	i Prepare 90% Contract Documents (Plans/Specs)	4	16	24	64	16	124	\$10,240.00
	j Prepare 100% Contract Documents		4	16	40	4	64	\$4,780.00
	Total EMAS Design - Site Preparation						544	\$56,184.00
6	SWFWMD Permitting & Floodplain Compensation							
	a Attend Pre-Application Conference		4	4			8	\$988.00
	b Prepare Drainage Calculations		16	40	16		72	\$7,160.00
	c Review floodplain model		4	8	16		28	\$2,336.00
7	d Design floodplain compensation		16	32	16		64	\$6,416.00
8	e Prepare Application and Exhibits		8	16	32		56	\$4,672.00
9	f Address Comments by SWFWMD		16	32	8	2	58	\$6,046.00
10	Total SWFWMD Permitting						286	\$27,618.00
7	Prepare CATEX	2	4				6	\$964.00
8	Meeting with the FAA (Modifications to Standards)	8	4			4	16	\$2,244.00
9	Grant Services (Quarterly Reports/Closeout/Application)	16	28	8		16	68	\$8,784.00
10	FAA Reimbursable Agreement Assistance	8	8			2	18	\$2,742.00
11	Airspace Checklist Submittal (OE/AAA), CSPP	2	32		24		58	\$6,740.00

Total Fees - Other Services (Lump Sum):

\$516,242.00

EXHIBIT C



March 26, 2014

American Infrastructure Development, Inc.
13000 North Dale Mabry Highway
Tampa, FL 33618

Attn: Mr. Mohsen Mohammadi, Ph.D., P.E.
Senior Consultant
Tel: 813-374-2200
Mob: 813-244-6609
Email: Mohsen@aidinc.us

Re: Geotechnical Engineering Services
Venice Airport Runway 13-31
Venice, FL
Dunkelberger Proposal No.: PHC140037

Dear Mr. Mohammadi:

Dunkelberger Engineering and Testing, a Terracon Company is pleased to provide Geotechnical Engineering Services for the Venice Municipal Airport – Runway 13-31 Safety Enhancement project.

A. PROJECT INFORMATION

Site Location	150 Airport Avenue East, Venice, FL 34285
Planned Construction	Existing Runway 13-31 is to be shifted approximately 720 feet to the southeast as part of a safety enhancement.
Pavements	Existing pavements are asphalt concrete.

B. SCOPE OF SERVICES

The purpose of our services is to identify the existing pavement materials, thicknesses, strength properties, and shallow subsurface conditions of Runway 13-31. Based on the gathered data, the existing taxiway pavement materials (asphalt, base, and subgrade) will be evaluated for re-use and/or re-cycling in the new pavement sections.

We have assumed that right of access will be provided by the client and that the field work will occur during normal business hours (7 a.m. to 7 p.m., Monday through Friday). We will stake

Proposal for Geotechnical Engineering Services

Venice Airport Runway 13-31

Venice, Florida

Dunkelberger Proposal No: PHC140037

DUNKELBERGER
engineering & testing, inc.
A TERRACON COMPANY

the borings based upon the site plan provided to us. If boring elevations are required, we have assumed the elevation survey will be provided by others.

Based on our understanding of the project, we propose to provide the following scope of services:

Location	Scope of Services
Berm/Landscaping Area to the northwest of Runway 13 End (Approximately 4 – 5 feet high)	Drill 2 Standard Penetration Test (SPT) borings to a depth of 20 feet.
Taxiway B	Perform 2 pavement cores and California Bearing Ratio (CBR) tests on the base material and subgrade soils.
Taxiway D Rehabilitation Area	Perform 5 pavement cores at 500 foot intervals and CBR tests on base material and subgrade soils for approximately 2,500 feet of runway.
Taxiway D Extension	Drill 4 auger borings to a depth of 5 feet.
Access road to the north of Runway 31	Perform 2 pavement cores and CBR tests on the base and subgrade materials at each location. Drill 2 auger borings to a depth of 5 feet.
Southeast end of Runway 31 within Runway End Shift area	Drill 4 SPT borings to a depth of 20 feet at a frequency of 200 feet along 727 feet of runway. Perform CBR tests on the base and subgrade materials at each location.
Southeast end of Runway 31 within EMAS area	Drill 2 SPT borings to a depth of 20 feet.

- Each pavement core will be machine drilled with a 6-inch diameter core barrel through the asphalt and base material. A subsequent hand auger boring will be drilled in each core hole to a depth of 5 feet. The core holes will be backfilled with redi-mix concrete and capped with cold-mix asphalt patch or more redi-mix concrete in the areas of concrete pavement.
- Provide subgrade resilient modulus values based on empirical correlations with the CBR testing results. (*Note: field plate load tests could be run for direct measurement of modulus but would require removal of a larger area of the existing pavement*)
- Perform full sieve analyses on 9 of the base samples taken from pavement core locations.
- For SPT borings, the soil sampling will include split-barrel samples (ASTM D1586). Soil samples will be obtained at 2-foot intervals in the upper 10 feet of each boring and at 5-foot intervals for the remaining depths of the borings. Subsurface conditions may be encountered which merit alterations of the boring and sampling program. Once the samples

have been collected and classified in the field, they will be placed in appropriate sample containers for transport to our laboratory.

- Visually classify representative soil samples in the laboratory using the Unified Soil Classification System (ASTM D 2487). Identify soil conditions at each boring location and form an opinion of the site soil stratigraphy.
- Perform limited soils testing to assist in the visual classification of the samples.
- Provide a summary of the testing procedures and the data collected and provide recommendations for the existing pavement section materials with regards to their suitability for reuse, addressing whether they can be recycled or should be removed and replaced. Provide pavement subgrade recommendations for new construction, and settlement estimates in the landscape berm area. This data will be presented in a concise written report, prepared by a professional engineer.

C. SCHEDULE

We can begin field work for the Geotechnical Exploration within approximately one week of receiving the notice to proceed. Field work is expected to take approximately 1 week. Soil classification, evaluation, and report preparation will require approximately two weeks after completion of the field work for total project duration of about 4 weeks.

D. COMPENSATION

The geotechnical services and report will be performed on a unit rate basis, with a not-to-exceed budget of **\$31,158.75**. The total fee will not be exceeded without justification and prior approval. The budget estimate for our services is attached along with our 2014 Standard Fee Breakdown.

Other terms and conditions pertaining to the engagement of our services are discussed in the attached General Conditions. The General Conditions are hereby incorporated into and made a part of this proposal.

E. AUTHORIZATION

This proposal may be accepted by signing the respective site-specific Agreement for Services (attached) and returning one copy along with this proposal to snparrish@terracon.com. This proposal is valid only if authorized within sixty days from the listed proposal date.

Proposal for Geotechnical Engineering Services

Venice Airport Runway 13-31

Venice, Florida

Dunkelberger Proposal No: PHC140037

DUNKELBERGER
engineering & testing, inc.
A TERRACON COMPANY

We appreciate the opportunity to be part of your team on this project. Please contact us if you have questions or comments regarding this proposal.

Sincerely,

Dunkelberger Engineering & Testing, a Terracon Company



Scott N. Parrish, P.E.
Department Manager



Douglas S. Dunkelberger P.E.
Office Manager

Attachments: Estimated Cost Sheet
Agreement for Services

**ESTIMATED BUDGET
VENICE AIRPORT - RUNWAY 13-31
VENICE, FLORIDA**

DUNKELBERGER
engineering & testing, inc.
A Terracon COMPANY

Service	Quantity	Unit Rate *	Unit	Cost
Field Work				
Drill Rig Mobilization	1	\$350.00	each	\$350.00
Auger Profile Borings (13 borings to 5 feet)	65	\$10.00	feet	\$650.00
SPT Borings (8 borings to 20 feet)	160	\$12.00	feet	\$1,920.00
Grout Seal Borings	225	\$4.00	feet	\$900.00
Asphalt Coring Equipment Mobilization	1	\$250.00	each	\$250.00
Senior Engineering Technician (Coring & CBR Testing)	60	\$65.00	hour	\$3,900.00
Engineering Technician (Coring & CBR Testing)	60	\$55.00	hour	\$3,300.00
In-Situ CBR Apparatus	6	\$500.00	day	\$3,000.00
Core Hole Plugging Materials	1	\$300.00	L.S.	\$300.00
Vehicle Charge	400	\$0.65	mile	\$260.00
			Subtotal	\$14,480.00
Laboratory				
Moisture Content Test	20	\$10.00	each	\$200.00
Grain Size Distribution	9	\$60.00	each	\$540.00
Minus No. 200 Sieve Wash	20	\$35.00	each	\$700.00
			Subtotal	\$1,440.00
Engineering Services				
Principal Engineer	15	\$175.00	hour	\$2,625.00
Project Engineer	40	\$120.00	hour	\$4,800.00
Staff Engineer	60	\$85.00	hour	\$5,100.00
CADD/Graphics	12	\$75.00	hour	\$900.00
Technical Secretary	6	\$55.00	hour	\$330.00
			Subtotal	\$13,755.00
			contingency (5%)	\$1,483.75
			Total Estimate	\$31,158.75

Increase hourly rate by 1.5 for services provided on Saturday, in excess of 8 hours per day and/or Monday through Friday before 7:00A.M. or after 7:00 P.M. Increase hourly rate by 2.0 for services provided on Sundays or Holidays with a minimum charge of 8 hours. Hourly charges will be billed portal to portal in 0.5 hour increments.

EXHIBIT D

~~EXHIBIT A~~

SCOPE OF SERVICES FOR DESIGN PHASE SERVICES FOR THE RUNWAY 13-31 RUNWAY PROTECTION ZONE IMPROVEMENT PROJECT AT THE VENICE MUNICIPAL AIRPORT

May 2, 2014

I. BACKGROUND INFORMATION:

Venice Municipal Airport (VNC) is a general aviation facility in Venice, FL owned and operated by the City of Venice (CITY). VNC has a single Fixed Base Operator (FBO), general aviation hangars, transient and local aircraft parking, and aircraft fueling and maintenance facilities. The airfield utilizes two runways: Runway 5-23 and Runway 13-31.

In accordance with the Focused Environmental Assessment (EA) currently under development with the Federal Aviation Administration (FAA), the CITY intends to undertake the design phase of the *Runway 13-31 Runway Protection Zone Improvement Project* ("the Project").

American Infrastructure Development, Inc. (AID) has been selected by the CITY to prepare construction documents and provide bidding services associated with the Project. A detailed description of the Project components can be found in the AID Scope of Services. Generally, the Project includes the components as shown in **Figure 1** provided by AID.

AID has requested that Atkins North America, Inc. (d/b/a Atkins) (CONSULTANT) provide this Scope of Services for assistance during the design phase services of the Project. Tasks that AID asked the CONSULTANT to perform include:

1. Quality control reviews of airfield designs
2. Topographic site survey
3. Obstruction survey
4. Environmental field review and permitting assistance
5. Airfield electrical designs including edge lights, NAVAIDs, vault work, etc.
6. Property acquisition assistance
7. Building demolition designs
8. Landscape architecture



For the purposes of scope definition and CONSULTANT fee development, the work has been divided into the following tasks. Any modifications and/or revisions to these tasks will constitute a change in the project scope and may require a revision to the compensation to be paid to the CONSULTANT. These tasks will begin once the AID provides the CONSULTANT with a written Notice to Proceed. These tasks will be complete once the CONSULTANT completes bid phase services.

This task will include quality control reviews of AID’s deliverables that are provided to the CONSULTANT prior to submission to the client. Each project deliverable will be reviewed by a qualified technical expert to create a quality project that meets industry standards and applicable agency requirements.

TASK 2 – TOPOGRAPHIC SURVEY

Under this task, the CONSULTANT will perform a topographical survey of the proposed project area and surrounding terrain as deemed necessary for the design of the project. This will include:

- ➔ Kickoff meeting with the CITY, AID and the CONSULTANT.
- ➔ Recover and verify the existing PACS and SACS control on Airport property.
- ➔ Establish secondary control for use in support of a topographic survey of the limits in **Figure 1**.
- ➔ Perform full topographic survey for paved areas. All paved areas will be collected using terrestrial LiDAR methods.
- ➔ Location of all visible surface improvements, including, the existing edge of pavement for the runway and taxiways. Ground terrain will be located in 50 foot intervals sufficient to generate a 1' contour digital terrain model (DTM). Any grade breaks and/or pertinent features will be located as part of the DTM generation effort.
- ➔ Any culvert/drainage pipes within or crossing through the project corridor will be located and labeled in the drawing depicting pipe size, material, and invert elevation.
- ➔ Extract the following data from the terrestrial LiDAR point cloud:
 - Edges and centerline of taxiway connectors
 - Pavement joint patterns where those are visible
 - Outer edges of drop inlets
 - Lights
 - Signs
 - Navigational aids
- ➔ As part of the quality control, the CONSULTANT will perform ten cross section checks of the DTM utilizing conventional survey techniques.
- ➔ Deliverables will consist of files in electronic format in AutoCAD C3D including DTMs. Layering and pen tables will conform to FAA standards. This will include two signed and sealed copies of the topographic survey map.

TASK 3 – OBSTRUCTION SURVEY

Under this task, the CONSULTANT will perform an obstruction survey for Runway 13-31. This will include:

- ➔ Kickoff meeting with the CITY, AID and the CONSULTANT.
- ➔ Once design approach surface has been approved, perform obstruction survey to verify features based on the existing obstruction chart and within the 20:1 surface limits for Runways 13 and 31.
- ➔ This effort will verify obstructions in the existing obstruction chart approved by the client which are within the runway approach surface; detailing size, type, and top elevation of all trees specified as well as any man made obstructions crossing this surface.

- ➔ Deliverables will consist of files in electronic format in AutoCAD C3D. Layering and pen tables will conform to FAA standards.

TASK 4 – ENVIRONMENTAL SCIENCES

The CONSULTANT will provide environmental services to support the Project including gopher tortuous surveying and permitting, tree removal permitting, and NEPA compliance as further defined in the following subtasks:

- ➔ Task 4A – Gopher Tortoise Surveying and Permitting: Authorized Gopher Tortoise Agents will complete one gopher tortoise burrow survey within the areas proposed for impact. The results of the survey will be used to apply for a gopher tortoise relocation permit (Conservation Permit to a long-term protected site) from the Florida Fish and Wildlife Conservation Commission (FWC). For the purposes of estimating the cost of the FWC permit, it is estimated that 20 gopher tortoises will need to be permitted for relocation.

The Conservation Permit is valid for one-year after issuance. An updated survey is required prior to excavating the gopher tortoise burrows and relocating the gopher tortoises. The updated survey and the execution of the Conservation Permit (i.e. excavation of the burrows and the physical relocation of the tortoises) are not included in this scope of services. A separate scope and fee can be provided that addresses these services.

- ➔ Task 4B – Tree Removal Permit: CONSULTANT biologists will prepare and submit a tree removal permit application to Sarasota County for regulated trees that require removal. It is assumed that the tree survey data will be provided by others. It is also assumed that the correspondence received during the NEPA process from the U.S. Fish and Wildlife Service (USFWS) will satisfy Sarasota County's requirement for consultation regarding Florida scrub jays. If Sarasota County requires additional consultation with the USFWS, an additional scope and fee can be provided.
- ➔ Task 4C – NEPA Compliance: The CONSULTANT will provide consulting services to ensure that the design and permitting of the proposed project is in compliance with the commitments made through the National Environmental Policy Act (NEPA) process. This assumes that the CONSULTANT will be made aware of design elements that change the footprint of the project or that change the type or amount of impact approved during the NEPA process. The CONSULTANT will assist in determining if any proposed design change would require a NEPA update. This scope does not include the preparation or submittal of a NEPA update.

TASK 5 – AIRFIELD ELECTRICAL

Runway 13-31 lighting and signage improvements will include the demolition and installation of all new LED runway edge lighting, LED taxiway edge lighting, LED threshold/end lights, new and relocated LED signage, grounding systems, handholes, cable and conduit, Constant Current

Regulator (CCR) replacement, wind cones on both 13 and 31 runway ends, REILs on both 13 and 31 runway ends, PAPI relocation or replacement on both 13 and 31 runway ends, and modifications to the existing airfield electrical vault including a replacement of a vault generator. An evaluation of the current load requirements will be used to determine size requirements for new Runway and Taxiway CCR regulator equipment. The age and condition of the system warrants full replacement which will correct the existing deficiencies in circuiting, any light spacing or layout issues that may not be compliant with current standards in the Advisory Circulars (AC). The CONSULTANT will prepare demolition, layout and circuiting plans including details specific to the requirements of the project.

- Task 5A – Program Verification: This task will entail review of available existing record drawings related to the existing airfield runway lighting and signage. The data that will be collected and reviewed will include airport base drawings, electrical as-built data, and electrical maintenance records.

Existing conditions shall be based on record drawings and visual site visits. Subsurface exploration shall not be included. It is assumed that VNC and/or AID will provide CONSULTANT access to, and copies of, all information, records, documents, etc., related to the project. AID shall provide all base drawings to CONSULTANT.

- Task 5B – Design Development (30%): Under this task, the CONSULTANT will perform an electrical site visit to visually survey the existing site conditions including the airfield lighting and signage proposed to be replaced as part of the project. The airfield electrical site visit will be in conjunction with information provided by a topographical survey of existing Runway 13-31 and Taxiway D, including Connector Taxiways and the apron.

The electrical site visit and associated proposed limits for the visual survey of existing airfield lighting and signage will be limited to the entire lengths of Runway 13-31, the respective Connector Taxiways, and any areas where new pavement will be added such as the Rehabilitation/Extension of Taxiway D and the new connector taxiway. These areas should contain all of the necessary signs and fixtures including any existing junction cans and associated conduit under existing pavement that will be utilized to route the new airfield lighting cable.

The CONSULTANT will prepare a site assessment memo and concept sketches based on preliminary design geometry provided by AID.

- Task 5C – Contract Documents (60%): The CONSULTANT will continue with the design and preparations of the construction drawings and specifications for the airfield lighting system to accommodate the airfield electrical elements of the Project. Specific work scope items include:

- Electrical Lighting and Signage Plans
- Updated Engineer's Report

- Preliminary Load Calculations
- Preliminary PAPI Calculations and Locations
- Preliminary Vault Generator Plans
- Draft Technical Specifications
- Preliminary Cost Estimate

The CONSULTANT will prepare an electronic (PDF) submittal of plans, technical specifications, cost estimate, and narrative for electrical components to be provided to AID for incorporation in the complete Project set.

➔ Task 5D – Contract Documents (90%): The CONSULTANT will proceed with the final construction drawings and specifications for the airfield lighting system to accommodate the airfield electrical elements of the Project. Specific work scope items include:

- Electrical Demolition Plans
- Electrical Layout Plans (Edge lighting, airfield signage, wind cone locations, REIL locations, PAPI locations)
- Electrical Circuiting Plans
- Electrical Detail Plans
- Updated Engineer's Report
- Load Calculations
- PAPI Calculations
- Vault Generator Plans
- Technical Specifications
- Cost Estimate

The CONSULTANT will prepare an electronic (PDF) submittal of plans, technical specifications, cost estimate, and narrative for electrical components to be provided to AID for incorporation in the complete Project set.

➔ Task 5E – Contract Documents (100%): The CONSULTANT will proceed with preparation of the bidding documents for the airfield lighting system to accommodate the Project. This effort will include incorporating comments by updating the Construction Drawings, Technical Specifications, Engineer's Report, and Construction Cost Estimate.

➔ Task 5F – Bidding and Award Services: This phase will include the effort necessary to advertise for and receive bids from contractors. Specific work scope includes:

- Address questions from bidders
- Make revisions to contract documents and issue Addenda
- Prepare Conformed Drawings & Technical Specifications

For the purposes of CONSULTANT fee development, the work has been divided into the following tasks based on their eligibility vs. non-eligibility for FAA grant reimbursement:

- LED Lights/Signs on Existing RW
- LED lights/signs on RW shift, exist TW D and new Taxiways
- PAPIs relocation/replacement
- New REILs
- Security Camera at EMAS

TASK 6 – PROPERTY ACQUISITION

If the CITY determines that property acquisition is required, the CONSULTANT will assist with the acquisition of two residential properties located within Runway Protection Zone of the preferred alternative as shown in the Focused EA. Two properties are to be acquired and relocation services will be provided to any eligible occupants located within those dwellings. The CONSULTANT will only proceed with this task if a separate NTP is issued for these services by AID and/or the CITY.

- ➔ Task 6A – Acquisition: Obtain, title commitment for parcel. Obtain and review appraisal reports parcel. Contact property owner; utilize county provided appraisal report in an effort to negotiate a reasonable sale price for the property. If a fair price is negotiated and approved by the client, schedule and conduct closing. Record all pertinent documents, retire files and deliver documents to client.

If a fair price cannot be negotiated, prepare suit package for parcel and submit the information to the client's attorney for eminent domain proceedings. Retire files and deliver documents to client.

The assumption is that these parcels are being acquired under the threat of condemnation.

- ➔ Task 6B – Relocation: Prepare necessary relocation study. Contact property occupants/displacees, conduct interviews. Utilize information obtained through household survey questionnaires to determine and compute relocation benefits. Seek client approval of benefits, present potential relocation benefits to displacees, provide necessary relocation assistance. Prepare all claim packages and deliver relocation assistance payments.

All relocation efforts will be conducted in accordance with the Uniform Act and implementing regulations (49 CFR Part 24)

In order to perform these tasks, the CONSULTANT will perform the following:

- a) Obtain title commitment. Unless stated otherwise, the current deed will be utilized for providing the legal description; therefore, no survey, legal description, or sketch will be required.
- b) Obtain appraisal report and updated report, review appraisal report per FAA regulations.
- c) Prepare necessary relocation study.
- d) Prepare acquisition offer package, review, present to client for approval.
- e) Prepare and review residential relocation benefits package. Present to client for approval. Contact property owner deliver written offer and if possible negotiate a reasonable sale price for the property. Notify client of initial contact and negotiations.
- f) Contact residential displace(s) and present relocation benefits per 49-CFR/FAA relocation guidelines. Notify client of relocation contact and relocation assistance progress.
- g) If negotiations are successful, complete a Purchase and Sale Agreement subject to the client's approval.
- h) Complete the requirements for closing, including but not limited to, reviewing the title commitment and clearing encumbrances necessary to insure the property interest purchased by client.
- i) Obtain and review the final title insurance policy and submit with final file documentation, as required, to St Lucie County.
- j) If negotiations are unsuccessful, complete eminent domain suit package and submit information to clients attorney.
- k) Finalize relocation benefits and deliver relocation assistance payments

TASK 7 – BUILDING DEMOLITION

The design services for the demolition of two (2) single family residences necessary for the Runway 13-31 Safety Enhancement Project will include a general site plan of the residence sites as well as technical specifications indicating the demolition requirements. For the purpose of this proposal, it is assumed complete demolition, including foundations and utilities are required and there will be no “selective” demolition necessary.

It is also assumed the residences do not contain any hazardous materials (asbestos, etc.) that would require testing and removal by special procedures. The CONSULTANT will contract through a specialty subconsultant to perform a visual inspection of the properties for hazardous materials. If any hazardous materials are discovered during the visual inspection, additional fee will be required to inspect and test these materials as well as to provide the necessary special removal specifications and drawings.

TASK 8 – LANDSCAPE ARCHITECTURE

The northwest property limits of the project site include a proposed berm and landscape buffer that will utilize a native plant palette scheme. These improvements will be designed by the CONSULTANT in accordance with the City of Venice's landscape development code, the FAA requirements, and to minimize wildlife utilization. The CONSULTANT will develop a grading plan

for the establishment of the berm based on existing survey information that shall be incorporated into the overall civil/site grading and drainage plan.

The deliverables for the grading and landscape plans will be submitted concurrent with other portions the contract documents for review and comments. For purposes of scope definition it is assumed that landscape plans will not be necessary for the 30% design submission.

→ Task 8A – Contract Documents (60%)

1. Obtain and review landscape code requirements for City of Venice & FAA requirements and summarize requirements on documents.
2. Set-up project sheets based on provided survey background and title block.
3. Conceptual landscape plan @ 1" = 20' minimum
 - a. Preliminary landscape schedule and notes
 - b. Preliminary landscape details
4. Berm conceptual grading plan @ 1" = 20' minimum
5. Conceptual irrigation plan

→ Task 8B – Contract Documents (90%)

1. Landscape plans will be updated to reflect comments from 60% Submittal
 - a. Updated Landscape schedule and notes
 - b. Updated Landscape details
2. Grading plans will be updated to reflect the comments from 60% Submittal
3. Updated irrigation plan(s)
4. Outline Technical Specifications in WORD format using CSI 6 digit format
5. Preliminary Cost Estimate for landscape material

→ Task 8C – Contract Documents (FINAL)

1. Final Landscape plans will be prepared to reflect comments from 90% Submittal
 - a. Final Landscape schedule and notes
 - b. Final Landscape details
2. Final Grading plans will be prepared to reflect comments from 90% Submittal
3. Final Irrigation plans
4. Final Technical Specifications in WORD format using CSI 6 digit format
5. Final Cost Estimate for landscape material

III. ASSUMPTIONS

The following is a list of assumptions forming the basis of the CONSULTANT's cost proposal included herein, as Attachment No. 2, for providing the services detailed in the Scope of Services for this project. Any modification and/or revision to these basic assumptions will constitute a change in the project scope and may result in a revision to the CONSULTANT's cost proposal.

1. AID and/or VNC will provide the CONSULTANT with necessary existing documents and all goals and objectives for the Project.
2. Labor and expenses dollars for the Project have been estimated and may be moved between tasks and between authorized labor and expense categories at the discretion of the CONSULTANT provided the maximum value of the Agreement is not exceeded.
3. AID shall provide all base drawings to CONSULTANT in AutoCAD format.
4. This proposal is based on the assumption that the CONSULTANT and its agents will be permitted to work without interruption for the duration of field services for the project. We are aware that there will be air traffic control issues, and in this context, we are prepared to cooperate with Airport staff as not to impact peak hours of operation.
5. An escort will be provided if necessary or security clearance paperwork can be addressed prior to arrival or within the first day of arrival.
6. This survey proposal will follow the datum requirements in conformance with FAA/GIS Circular 150/5300-16a and 18b guidelines. Uploading data in the FAA/GIS Database or creating a project on the FAA/GIS is not a part of the Scope of Services as enumerated above. If this information is required, the tasks associated with same will require additional fee negotiations.
7. Subsurface utility engineering and locations is not included in this scope of work.
8. This proposal is for design survey purposes only and does not include any form of survey engagement after construction is completed.
9. It is assumed that all designs are to be incorporated into a single bid package.
10. The CITY will pay all costs required for permitting directly. The CONSULTANT shall not be responsible for payment of any permitting fees.
11. The CONSULTANT will not be responsible for developing any "front end" specifications (Division 0 and 1). Only technical specifications directly related to the CONSULTANT's scope of work shall be provided.
12. The airfield lighting system will comply with FAA Advisory Circulars:
 - a. 150/5340-30G, *Design and Installation Details for Airport Visual Aids*
 - b. 150/5340-18F, Standards for Airport Sign Systems

- c. 150/5345-7E, *Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits*
 - d. 150/5345-26D, *Specification for L-823 Plug and Receptacle, Cable Connectors*
 - e. 150/5345-42G, *Specification for Airport Light Bases, Transformer Houses, Junction Boxes and Accessories*
 - f. 150/5345-44J, *Specification for Taxiway and Runway Signs*
 - g. 150/5345-46D, *Specification for Runway and Taxiway Light Fixtures*
 - h. 150/5345-47C, *Specification for Series to Series Isolation Transformers for Airport Lighting Systems*
 - i. 150/5345-53D, *Airport Lighting Equipment Certification Program*
 - j. 150-5345-27E, *Wind Cones*
 - k. 150-5345-28G, *PAPIs*
 - l. 150-5345-51B, *REIL & ODALS*
13. The CITY will provide the funds necessary for property closing costs, including but not limited to the owner's compensation, closing fees, recording fees, and title insurance.
14. The CITY will provide funds necessary to pay all relocation eligibility for eligible displaced occupants.
15. The CITY will provide funds necessary to cover legal expenses associated with eminent domain proceedings, including outside attorney costs.
16. This scope of service is for the design and bidding phases of the project only. Construction administration services are not included but can be added for additional scope and fee.
17. Any other service not specifically delineated within this scope is not included and would only be performed at Client's request and approved fee.

~~END EXHIBIT A~~

**MAN-HOUR FEE ESTIMATE
DESIGN PHASE SERVICES
RUNWAY 13-31 RUNWAY PROTECTION ZONE IMPROVEMENT PROJECT
VENICE MUNICIPAL AIRPORT**



TASK	TASK DESCRIPTION	Senior PM \$185.00	Sr. Airfield Eng II \$155.00	Survey PM \$160.00	PSM \$120.00	Sr. Tech \$88.00	2-Man Field Crew \$133.00	Sr. Sci. II \$114.00	Sci. II \$76.00	Sr Eng Elec/Mec \$215.00	Elec PM \$155.00	Engineer Elec \$78.00	Jr Eng Elec \$78.00	Prop. PM \$150.00	Sr. Relo Agent \$125.00	Appraiser \$125.00	Arch Sr. PM \$230.00	Sr. Arch \$170.00	Arch. Tech. \$95.00	Sr. Land. Arch \$150.00	Land. Arch \$110.00	Admin \$60.00	TASK HOURS	TASK FEE	SUBTOTAL FEE	
1	QUALITY CONTROL OF AIRFIELD DESIGN	12	64																			12	88	\$ 12,860	\$ 12,860	
2	TOPOGRAPHIC SURVEY																									
	Survey Team Coordination	12		2	2																	2	18	\$ 2,900		
	Verify Primary Control & Establish Secondary Control			1	4	10	14																29	\$ 3,382		
	Vertical level run				2	8	20																30	\$ 3,604		
	Terrestrial LIDAR				2	2	20																24	\$ 3,076		
	Topographic Collection				2		30																32	\$ 4,230		
	Storm/Sanitary Collection				2		20																22	\$ 2,900		
	LIDAR Extraction & Processing			1	4	18																	23	\$ 2,224		
	Conventional Processing			1	1	8																	10	\$ 984		
	DTM Creation				2	20																	22	\$ 2,000		
	Map Creation				2	10																	12	\$ 1,120		
	Survey Quality Control			2	5																		7	\$ 920		
	Task 2 Subtotal:	12	0	7	28	76	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	229		\$ 27,340	
3	OBSTRUCTION SURVEY																									
	Survey Team Coordination	8		2	2																	2	14	\$ 2,160		
	Verify Primary Control & Establish Secondary Control			1	2	4	8																15	\$ 1,816		
	Vertical level run			1	2	2	6																11	\$ 1,374		
	Obstruction Location						20																20	\$ 2,660		
	LIDAR Processing			2	2	4																	8	\$ 912		
	Map Creation					20																	20	\$ 1,760		
	Survey Quality Control			2	5																		7	\$ 920		
	Task 3 Subtotal:	8	0	8	13	30	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	95		\$ 11,602	
4	ENVIRONMENTAL SCIENCES																									
	Gopher Tortoise Survey								10														10	\$ 760		
	Gopher Tortoise Permitting (20 tortoises)							10														2	12	\$ 1,260		
	Tree Removal Permit Application							8														2	10	\$ 1,032		
	NEPA Compliance	4						24															30	\$ 3,596		
	Environmental Reimbursable Expenses																							\$ 175		
	Task 4 Subtotal:	4	0	0	0	0	0	42	10	0	0	0	0	0	0	0	0	0	0	0	0	6	62		\$ 6,823	
5	AIRFIELD ELECTRICAL																									
	LED Lights/Signs on Existing RW	16								20	29	50	107										11	233	\$ 24,661	
	LED lights/signs on RW shift, exist TW D and new Taxiways	32								52	82	116	267										19	568	\$ 60,824	
	PAPIs relocation/replacement	12								14	20	27	41										5	119	\$ 13,934	
	New REILs	8								8	11	15	25										5	72	\$ 8,325	
	Security Camera at EMAS	2								12	16	40	16										4	90	\$ 10,038	
	Airfield Electrical Reimbursable Expenses																							\$ 2,500		
	Task 5 Subtotal:	70	0	0	0	0	0	0	0	106	158	248	456	0	0	0	0	0	0	0	0	44	1082		\$ 120,282	
6	PROPERTY ACQUISITION																									
	Property Acquisition Labor	4												16	120	12							36	188	\$ 21,800	
	Appraisal Subconsultant																								\$ 5,800	
	Property Acquisition Expenses																								\$ 1,000	
	Task 6 Subtotal:	4	0	0	0	0	0	0	0	0	0	0	0	16	120	12	0	0	0	0	0	36	188		\$ 28,600	
7	BUILDING DEMOLITION																									
	Site Visit																	8					8	\$ 1,360		
	Site Plan																	4		16			20	\$ 2,200		
	Specifications																							\$ 4,440		
	Building Demolition Expenses	2															4	16	2				28	\$ 900		
	Building Hazards Visual Assessment Subconsultant																							\$ 2,200		
	Task 7 Subtotal:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	28	18	0	0	4	56		\$ 11,100	
8	LANDSCAPE ARCHITECTURE																									
	Contract Documents (60%)	4																		20	48	16	88	\$ 9,980		
	Contract Documents (90%)	2																		16	36	12	66	\$ 7,450		
	Contract Documents (100%)	2																		8	32	8	50	\$ 5,570		
	Bidding and Award Services																			2	8	2	12	\$ 1,300		
	Landscape Architecture Expenses																							\$ 900		
	Irrigation Subconsultant																							\$ 6,000		
	Task 8 Subtotal:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	124	38	216		\$ 31,200	

TOTAL LUMP SUM FEE \$ 249,807

ENGINEERED ARRESTING SYSTEMS CORPORATION

AEROSAFETY & TECHNOLOGY
Emergency Arresting Systems



April 29, 2014

Mohsen Mohamadi, Ph.D., P.E.
American Infrastructure Development, Inc.
13000 N. Dale Mabry Hwy
Tampa FL 33618

Subject: Runway Safety Area Improvements at Venice Municipal Airport

Reference: Price Proposal for EMAS Design Services for RW 13 Departure End

Dear Mohsen:

Engineered Arresting Systems Corporation (ESCO) is pleased to provide the following proposal for design of an Engineered Material Arresting System (EMAS) for RW 13 Departure End at Venice Municipal Airport. Our total fee for design and support of EMAS is \$125,000.00. Attached please find Exhibit A, which details the EMAS product design services to be provided to ENGINEERING FIRM, and our proposal terms, and Exhibit B, which contains the breakdown of our design fee.

As detailed in Exhibit B, a Performance Modeling fee is separated from the Design Support fee for the project. The Performance Modeling Fee covers the development, maintenance, and continued R&D associated with ESCO's proprietary, FAA-validated, computer model (including costs associated with obtaining and using manufacturer's proprietary aircraft data), which allows us to predict aircraft performances under varying scenarios.

We look forward to working with you on the proposed effort. If you have any questions, or need any additional information, please do not hesitate to contact me.

Respectfully yours,

Trip Thomas, C.M.
Regional Director - EMAS
Tel: 1.856.241.8620, Extension 459
[Email: trip.thomas@zodiac aerospace.com](mailto:trip.thomas@zodiac aerospace.com)

EXHIBIT A

Project Description:

Design of Engineered Material Arresting System for Venice Municipal Airport

Runway Safety Area – Runway 13 Departure End

Design Services:

The following work tasks will be accomplished by **ENGINEERED ARRESTING SYSTEMS CORPORATION** (the CONSULTANT) in support of the EMAS installation design described in the project description. All work of the CONSULTANT will be done as a subordinate of ENGINEERING FIRM (the ENGINEER), who will be responsible for overall project design and for supervision of the CONSULTANT. All work of the CONSULTANT will be performed by regular, full-time employees of CONSULTANT, who perform services solely for CONSULTANT or its affiliates. The CONSULTANT will provide Professional Engineering Signature/Certification of all pertinent EMAS documents and drawings generated by the CONSULTANT, including design reports, project drawings, statements of work, and/or specifications as applicable. Professional Engineering Certification will be for the state in which the Project is located.

I-B Arrestor Bed Design

The CONSULTANT will:

- 1.1 Attend meetings and conferences as may be necessary to obtain and supply information and coordination and/or resolve any design matters or questions regarding the EMAS.
- 1.2 Work with the ENGINEER and the Venice Municipal Airport to define the critical aircraft for the EMAS based on data provided by Venice Municipal Airport and/or developed from other sources.
- 1.3 Conduct performance modeling to evaluate the arrestor bed configuration for the Project. This will be accomplished through the use of ESCO's proprietary computer model. Design will be in accordance with FAA Advisory Circular AC 150/5220-22a, Engineered Materials Arresting System (EMAS).
- 1.4 Provide detailed product installation requirements and guidance to support the ENGINEER in preparation of detailed construction drawings (drawings to be prepared by the ENGINEER). Information will include longitudinal and side slope requirements for EMAS support pavement, and details of debris deflector, concrete foundation for debris deflector, requirements for pavement ramping, arrestor bed siting, block layout, and block profile.

- 1.5 Review detailed construction drawings and provide comments and recommendations to ensure EMAS product requirements have been met.
- 1.6 Provide results of computer modeling. Aircraft runway exit speed performance of selected aircraft will be provided by CONSULTANT to the ENGINEER without restriction and included in an EMAS Design Report. Due to the proprietary nature of ESCO's computer model and related product design methods, production process and product testing method, proprietary design information and computer model calculations will remain the exclusive proprietary property of ESCO and be retained by ESCO and not disclosed to the ENGINEER.
- 1.7 Provide a preliminary performance modeling design report as set forth in Item 1.2. A Final Report will be provided after all preliminary engineering drawings are made available to CONSULTANT and upon FAA approval of a final design.

TERMS AND CONDITIONS:

1. Payment Terms are: Net 30 Days
2. Services performed by the Parties will be conducted in a manner consistent with that level of care and skill ordinarily exercised by other members of the engineering profession currently practicing under similar conditions subject to the time limits and financial and physical constraints applicable to the services.
3. No Warranty, expressed or implied, is made.

EXHIBIT B - COMPENSATION

1-C Initial and Preliminary EMAS Arrestor Bed Design

Performance Modeling Lump Sum Fee	\$ 75,000
Preliminary Design Support Lump Sum Fee	<u>\$ 30,000</u>

Subtotal Initial and Preliminary Design **\$ 105,000**

Submittal of Preliminary Design Report will complete this Phase

2-C Final EMAS Arrestor Bed Design Lump Sum Fee

Submittal of Final Design Report will complete this Phase

\$ 20,000

TOTAL FOR ESCO SERVICES ***\$ 125,000***

Fees stated are exclusive of sales, use or any similar or equivalent local taxes. This proposal is Firm-Fixed Price and valid for 90 days from the date of the offer.

May 27, 2014

Christopher Rozansky, CM
Airport Administrator
City of Venice
150 Airport Avenue East
Venice, Florida 34285

**RE: Independent Fee Estimate,
Runway 13-31 Runway Protection Zone Improvements
Venice Municipal Airport**

Dear Mr. Rozansky;

As requested, Hanson Professional Services Inc. has completed the independent estimate of costs associated with the above referenced project. The Scope of Work for this project is outlined in the attached Exhibit A - Scope of Services, Amendment to Work Assignment #24.

Hanson's estimates of costs associated with the project are:

Basic Services (Lump Sum)

Phase 1A - Program Verification	\$52,300
Phase 1B - Schematic Design (not included)	
Phase 2 - Design Development (30%)	53,860
Phase 3A - Contract Documents (60%)	33,880
Phase 3B - Contract Documents (90%)	36,995
Phase 3C - Contract Documents (100%)	7,540
Phase 4 - Bidding and Award Services	19,980
Phase 5 - Construction Administration Services (not included)	
Total Basic Services:	\$204,555

Other Services (Lump Sum)

1 All Services Provided by Atkins	
Topographic Surveys	\$25,000
Obstruction Surveys	12,500
Airfield Electrical Engineering	135,000
Environmental Services	56,000
Property Acquisition /Demolition (Separate NTP Required)	62,000
Landscape Architecture	6,500
Quality Control	8,000

2	Geotechnical Investigations - Dunkelberger	35,000
3	EMAS Design (Excluding Site Design) -ESCO	150,000
4	EMAS Quality Reviews - JACOBS	8,000
5	EMAS Design - Site Preparation	58,300
6	SWFWMD Permitting & Floodplain Compensation	59,650
7	Prepare CATEX	5,480
8	Meeting with the FAA (Modifications to Standards)	3,960
9	Grant Services (Quarterly Reports/Closeout/Application)	6,120
10	FAA Reimbursable Agreement Assistance	3,520
11	Airspace Checklist Submittal (OE/AAA), CSPP	5,400
Total Other Services:		\$640,430

Expenses (Lump Sum)

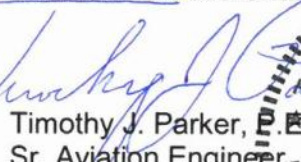
Reproduction	\$2,500
Total Expenses:	\$2,500

Total Fees (Lump Sum): **\$847,485**

Thank you for allowing Hanson Professional Services Inc. to assist you on this project. Should you have any questions about this estimate, or need additional information, please give me a call.

Sincerely,

Hanson Professional Services Inc.

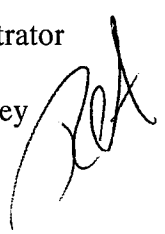

Timothy J. Parker, P.E.
Sr. Aviation Engineer



FROM THE OFFICE OF
THE CITY ATTORNEY

RECEIVED MAR 29 2013

MEMORANDUM

TO: CHRIS ROZANSKY, Airport Administrator
FROM: ROBERT C. ANDERSON, City Attorney 
DATE: MARCH 27, 2013
RE: AIRPORT TITLE OPINION

The FAA requires a title opinion for the Venice Municipal Airport to be included in the City's grant application for the Runway 4-22 project. You requested that I prepare such an opinion.

Based upon a boundary survey prepared by George F. Young, Inc., we determined that four parcels of property comprise the Venice Municipal Airport. Title reports on each of the four parcels were obtained from the Chicago Title Insurance Company. I relied on the George Young survey and the Chicago Title reports to render my title opinion.

Attached is the original of my title opinion concerning the Venice Municipal Airport.

Should you have any questions concerning this matter, please do not hesitate to contact me.

RCA/dlc

Attachment

Copies (with attachment) to:

Lori Stelzer, City Clerk
Edward F. Lavalley, City Manager

HALL & ANDERSON, P. A.

ATTORNEYS AT LAW

1314 EAST VENICE AVENUE

SUITE E

VENICE, FLORIDA 34285

ROBERT C. ANDERSON

WAYNE C. HALL*

Telephone: (941) 480-0999

Facsimile: (941) 480-1446

Website: www.lawyers.com/ha-law

E-mail: whall@hall-anderson.com

randerson@hall-anderson.com

*Board Certified Wills, Trusts,
and Estates Lawyer

March 27, 2013

The City of Venice
401 West Venice Avenue
Venice, Florida 34285

To Whom it May Concern:

This opinion of title concerns four parcels of property owned by the City of Venice which comprise the Venice Municipal Airport. The legal descriptions of the four parcels are attached as Exhibit "A". I have examined title reports prepared by the Chicago Title Insurance Company for each of the four parcels. Based upon this examination, I am of the opinion that as of the date of this correspondence, fee simple title to the real property described in Exhibit "A" is vested in the City of Venice, a municipal corporation, subject to the following:

Parcel 1

1. Notice of Limitation of Use/Site Dedication recorded in Official Records Instrument No. 1998091157.
2. Drainage Easement recorded in Official Records Instrument No. 2000106161.
3. Grant of Utility Easement recorded in Official Records Instrument No. 2010061392.
4. Restrictions, reservations, covenants and conditions pursuant to Quit-Claim Deeds from the United State of America, as recorded in Deed Book 227, Page 192, Deed Book 240, Page 352, Deed Book 398, Page 347, Official Records Book 55, Page 262, Official Records Book 165, Page 484 Official Records Book 419, Page 719 and Official Records Book 479, Page 495, which include, among other terms, provisions for a right of re-entry, possibility of reverter, right of forfeiture and prior approval of a future purchaser or occupant. Together with provisions set out in Release Deeds by the Federal Aviation Agency recorded in Official Records Book 177, Page 612,

Official Records Book 193, Page 439, Official Records Book 896, Page 871, Official Records Book 964, Page 5, Official Records Instrument No. 1998088086, Official Records Instrument No. 2004032400 and Official Records Instrument No. 2009132288, of the Public Records of SARASOTA County, Florida.

5. Public Road Right of Way Dedication recorded in Official Records Book 502, Page 146, as corrected in Corrective Public Road Right of Way Dedication recorded in Official Records Book 507, Page 551.
6. Resolution No. 241-71 recorded in Official Records Book 889, Page 1127.
7. Interlocal Agreement recorded in Official Records Book 1345, Page 812 and Standard Interlocal Agreement recorded in Official Records Book 2604, Page 469.
8. Easement recorded in Official Records Instrument No. 2001052479.
9. Permanent Right of Way Easement recorded in Official Records Book 2693, Page 448.
10. Underground Easement recorded in Official Records Instrument No. 2011121738.
11. Permanent Drainage Easement recorded in Official Records Book 2693, Page 440.
12. Grant of Easement recorded in Official Records Book 1742, Page 1913.
13. Easement recorded in Official Records Instrument No. 1999166484.
14. Perpetual Easement recorded in Official Records Instrument No. 2000050300.
15. Easement recorded in Official Records Instrument No. 2000055152.
16. Canal Right of Way Easement recorded in Official Records Book 419, Page 897.
17. Public Road Right of Way Dedication recorded in Official Records Book 419, Page 908.
18. Memorandum of Agreement recorded in Official Records Book 301, Page 731.

19. Reservation, restrictions and conditions as contained in Letter from the Federal Aviation Administration recorded in the Official Record Book 964, Page 2.
20. Restrictions, covenants, conditions, easements and other matters as contained on the Plat of Venice Airport Subdivision, recorded in Plat Book 20, Page 7, 7A and 7B, of the Public Records of Sarasota County, Florida.
21. Terms and conditions of the lease from City of Venice to Venice Golf Association, Inc. dated 03/04/1958 and recorded in Official Records Book 88, Page 1.
22. Terms and conditions of the Lease from City of Venice to Summa Holdings, Inc. dated 02/09/1999 and recorded in Official Record Instrument No. 2005278648, as assigned in Assignment of Lease recorded in Official Record Instrument No. 2005278649 and assigned in Assignment of Lease recorded in Official Record Instrument No. 2005278650 and further assigned in Assignment of Lease recorded in Official Record Instrument No. 2005278651 and amended in First Amendment to Lease Agreement recorded in Official Record Instrument No. 2005278652.
23. Terms and conditions of the Lease from City of Venice to KRS Aviation, Inc. dated 02/09/1999 as recorded in Official Record Instrument No. 2002131308, as assigned in Assignment of Lease recorded in Official Record Instrument No. 2004126269 and further assigned in Assignment of Lease recorded in Official Record Instrument No. 2004102182, a Memorandum of Lease recorded in Official Record Instrument No. 2004102184 and Amendment to Lease recorded in Official Record Instrument No. 2004224162 and further amended in Memorandum of Amended and Restated Lease recorded in Official Record Instrument No. 2012070967.
24. Terms and conditions of the Lease Agreement from City of Venice to Huffman Aviation, Inc. dated 05/23/1978, as per Addendum to Lease recorded in Official Record Book 2105, Page 1753 and assigned in Assignment and Assumption of Lease recorded in Official Record Book 1980, Page 2754.
25. Terms and conditions of the Lease Agreement from City of Venice to Joe Duncan Enterprises, Inc. dated 06/30/1982, as evidenced by Certificates of Title recorded in Official Record Book 2393, Page 1542 and Official Record Book 2993, Page 2958 and assigned by that certain Assignment of Lease recorded in Official Record Instrument No. 1998066323 and further assigned in Assignment of Lease recorded in Official Record Instrument No. 1998066324.

26. Terms and conditions of the Lease Agreement from City of Venice to Harvey B. Wasserman d/b/a Wass-Air dated 05/23/1999, as evidenced by and assigned in that certain Affidavit recorded in Official Record Instrument No. 2003199010.
27. Terms and conditions of the Lease Agreement from City of Venice to Michael P. Piscopo dated 01/01/1989, as evidenced by Memorandum of Lease recorded in Official Record Book 3026, Page 168 and Collateral Assignment of Lease recorded in Official Record Instrument No. 2003174321.
28. Terms and conditions of the Lease Agreement from City of Venice to Florida Flight Maintenance Center, Inc. dated 10/12/1999, as evidenced by that certain Memorandum of Lease recorded in Official Record Instrument No. 2002104221.
29. Terms and conditions of the Lease Agreement from City of Venice to Huffman Aviation, Inc. dated 09/26/1995, as evidenced by that certain Memorandum of Lease recorded in Official Record Book 2803, Page 189 and Memorandum of Lease recorded in Official Record Instrument No. 2003210223, as assigned in Assignment of Lease attached to Affidavit recorded in Official Record Instrument No. 2009114724.
30. Terms and conditions of the lease from City of Venice to Venice Jet Center, LLC dated 05/23/2006 and recorded in Official Record Instrument No. 2006107331, Supplemental Memorandum of Lease recorded in Official Record Instrument No. 2006160491 and as assigned and assumed in Memorandum of Assignment and Assumption of Lease Agreement recorded in Official Record Instrument No. 2010008863.
31. Terms and conditions of the Lease from City of Venice to A.C. Schmieler dated 11/14/2000 as evidenced by that certain Assignment of Lease recorded in Official Record Instrument No. 2010078558.
32. Terms and conditions of the Lease Agreement from City of Venice to EMCEE Electronics, Inc. dated 08/27/1996 as evidenced by that certain Collateral Assignment of Lessee's Interest in Lease Agreement recorded in Official Record Instrument No. 2004055379.
33. Terms and conditions of the Lease from City of Venice to Owen P. Mills dated 08/03/1999 as evidenced by that certain Assignment of Lease, Acceptance and Assumption of Lease recorded in Official Record Instrument No. 2011142914.

34. Terms and conditions of the Lease Agreement from City of Venice to Shamrock Enterprises dated 02/08/1984 as evidenced by that certain Agreement recorded in Official Record Book 1693, Page 1515.
35. Terms and conditions of the unrecorded Lease Agreement from City of Venice to Sarasota County Sheriff's Office.
36. Leasehold Mortgage, Security Agreement and Assignment of Rents between Venice Golf Association, Inc. and First National Bank of Florida d/b/a West Coast Guaranty Bank recorded in Official Record Instrument No. 2002061785.
37. Leasehold Mortgage and Security Agreement between Purdy Enterprises, Inc. and Englewood Bank recorded in Official Record Book 3026, Page 170, as modified by Mortgage Modification recorded in Official Record Instrument No. 2002168228.
38. Junior Lien Leasehold Mortgage between Florida Flight Maintenance, Inc. and Glenn Goodman recorded in Official Record Instrument No. 2009011883.
39. UCC Financing Statement between Florida Flight Maintenance, Inc. and Glenn Goodman recorded in Official Record Instrument No. 2009011884.
40. Leasehold Mortgage and Security Agreement between Florida Flight Maintenance, Inc. and Glenn Goodman recorded in Official Record Instrument No. 2009011882, Collateral Assignment of Note and Leasehold Mortgage recorded in Official Record Instrument No. 2009011911 and Collateral Assignment of Note and Leasehold Mortgage recorded in Official Record Instrument No. 2009063504, UCC Financing Statement Assignment recorded in Official Record Instrument No. 2009070755 and UCC Financing Statement Assignment recorded in Official Record Instrument No. 2009011912.
41. Mortgage on Leasehold Interest between BVK, Inc. and Regions Bank recorded in Official Record Instrument No. 2012063643, Assignment of Rents recorded in Official Record Instrument No. 2012063644 and UCC Financing Statement Assignment recorded in Official Record Instrument No. 2012063645.
42. Mortgage on Leasehold Interest between BVK, Inc. and Raymond V. Purcell and Carolyn L. Purcell, husband and wife recorded in Official Record Instrument No. 2010078560.

43. Conditional Mortgage Leasehold Interest between BVK, Inc. and A.C. Schmieler recorded in Official Record Instrument No. 2010078559.
44. Mortgage on Leasehold Interest between BVK, Inc. and Regions Bank recorded in Official Record Instrument No. 2012009065, Assignment of Rents recorded in Official Record Instrument No. 2012009066 and UCC Financing Statement recorded in Official Record Instrument No. 2012009067 and Official Record Instrument No. 2012009068.
45. Mortgage Leasehold and Security Agreement between VAS Leasing Company, LLC and Venice Aviation Services, Inc. and Suncoast Schools Federal Credit Unit recorded in Official Record Instrument No. 2009114725, Collateral Assignment of Rents, Leases, Profits and Contracts recorded in Official Record Instrument No. 2009114726, Security Agreement recorded in Official Record Instrument No. 2009114727 and UCC Financing Statement recorded in Official Record Instrument No. 2009114728.
46. UCC Financing Statement between Florida Flight Maintenance, Inc. and The Bank of Commerce recorded in Official Record Instrument No. 2008020117.

Parcel 2

1. Resolution creating erosion control line recorded in Official Records Book 2567, Page 1152.
2. Notice of Limitation of Use/Site Dedication recorded in Official Records Instrument No. 1998091157.
3. Terms, conditions and provision of Chapter 62B-34.170 Florida Administrative Code for General Permits for Activities Seaward of the Coastal Construction Control Line recorded in Official Records Instrument No. 2010059047.
4. Drainage Easement recorded in Official Records Instrument No. 2000106161.
5. Grant of Utility Easement recorded in Official Records Instrument No. 2010061392.

6. Restrictions, reservations, covenants and conditions pursuant to Quit-Claim Deeds from the United State of America, as recorded in Deed Book 227, Page 192, Deed Book 240, Page 352, Deed Book 398, Page 347, Official Records Book 55, Page 262, Official Records Book 165, Page 484 Official Records Book 419, Page 719 and Official Records Book 479, Page 495, which include, among other terms, provisions for a right of re-entry, possibility of reverter, right of forfeiture and prior approval of a future purchaser or occupant. Together with provisions set out in Release Deeds by the Federal Aviation Agency recorded in Official Records Book 177, Page 612, Official Records Book 193, Page 439, Official Records Book 896, Page 871, Official Records Instrument No. 1998088086, Official Records Instrument No. 2004032400 and Official Records Instrument No. 2009132288, of the Public Records of SARASOTA County, Florida.
7. Public Road Right of Way Dedication recorded in Official Records Book 419, Page 908.
8. Canal Right of Way Easement recorded in Official Records Book 419, Page 897.
9. Terms and conditions of the lease from City of Venice to Venice Golf Association, Inc. dated 03/04/1958 and recorded in Official Records Book 88, Page 1.
10. Leasehold Mortgage, Security Agreement and Assignment of Rents between Venice Golf Association, Inc. and First National Bank of Florida d/b/a West Coast Guaranty Bank recorded in Official Record Instrument No. 2002061785.
11. Public Road Right of Way Dedication recorded in Official Records Book 502, Page 146, as corrected in Corrective Public Road Right of Way Dedication recorded in Official Records Book 507, Page 551.
12. Resolution No. 241-71 recorded in Official Records Book 889, Page 1127.
13. Interlocal Agreement recorded in Official Records Book 947, Page 1640 and Standard Interlocal Agreement recorded in Official Records Book 2604, Page 469.

Parcel 3

1. Resolution creating erosion control line recorded in Official Records Book 2567, Page 1152.
2. Notice of Limitation of Use/Site Dedication recorded in Official Records Instrument No. 1998091157.
3. Terms, conditions and provision of Chapter 62B-34.170 Florida Administrative Code for General Permits for Activities Seaward of the Coastal Construction Control Line recorded in Official Records Instrument No. 2010059047.
4. Drainage Easement recorded in Official Records Instrument No. 2000106161.
5. Grant of Utility Easement recorded in Official Records Instrument No. 2010061392.
6. Restrictions, reservations, covenants and conditions pursuant to Quit-Claim Deeds from the United State of America, as recorded in Deed Book 227, Page 192, Deed Book 240, Page 352, Deed Book 398, Page 347, Official Records Book 55, Page 262, Official Records Book 165, Page 484 Official Records Book 419, Page 719 and Official Records Book 479, Page 495, which include, among other terms, provisions for a right of re-entry, possibility of reverter, right of forfeiture and prior approval of a future purchaser or occupant. Together with provisions set out in Release Deeds by the Federal Aviation Agency recorded in Official Records Book 177, Page 612, Official Records Book 193, Page 439, Official Records Book 896, Page 871 Official Records Instrument No. 1998088086, Official Records Instrument No. 2004032400 and Official Records Instrument No. 2009132288, of the Public Records of SARASOTA County, Florida.
7. Public Road Right of Way Dedication recorded in Official Records Book 419, Page 908.
8. Canal Right of Way Easement recorded in Official Records Book 419, Page 897.
9. Terms and conditions of the lease from City of Venice to Venice Golf Association, Inc. dated 03/04/1958 and recorded in Official Records Book 88, Page 1.

10. Leasehold Mortgage, Security Agreement and Assignment of Rents between Venice Golf Association, Inc. and First National Bank of Florida d/b/a West Coast Guaranty Bank recorded in Official Record Instrument No. 2002061785.
11. Public Road Right of Way Dedication recorded in Official Records Book 502, Page 146, as corrected in Corrective Public Road Right of Way Dedication recorded in Official Records Book 507, Page 551.
12. Resolution No. 241-71 recorded in Official Records Book 889, Page 1127.
13. Interlocal Agreement recorded in Official Records Book 947, Page 1640 and Standard Interlocal Agreement recorded in Official Records Book 2604, Page 469.
14. Interlocal Cooperative Agreement for Emergency Fire Service recorded in Official Records Book 2258, Page 1343.
15. Utility Easement recorded in Official Records Instrument No. 2003211955.
16. Easement recorded in Official Records Instrument No. 2001052479.
17. Permanent Right of Way Easement recorded in Official Records Book 2693, Page 448.
18. Underground Easement recorded in Official Records Instrument No. 2011121738.
19. Terms and conditions of the Sovereignty Submerged Lands Lease from Board of Trustees of the Internal Improvement Trust Fund of the State of Florida to City of Venice, Florida dated 04/22/2003 and recorded as Official Record Instrument No. 2003086207 and Sovereignty Submerged Lands Lease Renewal and Modification dated 05/08/2008 recorded in Official Records Instrument No. 2008068307.
20. Permanent Drainage Easement recorded in Official Records Book 2693, Page 440.

Parcel 4

1. Resolution creating erosion control line recorded in Official Records Book 2567, Page 1152.

2. Notice of Limitation of Use/Site Dedication recorded in Official Records Instrument No. 1998091157.
3. Terms, conditions and provision of Chapter 62B-34.170 Florida Administrative Code for General Permits for Activities Seaward of the Coastal Construction Control Line recorded in Official Records Instrument No. 2010059047.
4. Drainage Easement recorded in Official Records Instrument No. 2000106161.
5. Grant of Utility Easement recorded in Official Records Instrument No. 2010061392.
6. Restrictions, reservations, covenants, easements and conditions pursuant to Quit-Claim Deeds from the United State of America, as recorded in Deed Book 227, Page 192, Deed Book 240, Page 352, Deed Book 398, Page 347, Official Records Book 55, Page 262, Official Records Book 165, Page 484 Official Records Book 419, Page 719 and Official Records Book 479, Page 495, which include, among other terms, provisions for a right of re-entry, possibility of reverter, right of forfeiture and prior approval of a future purchaser or occupant. Together with provisions set out in Release Deeds by the Federal Aviation Agency recorded in Official Records Book 177, Page 612, Official Records Book 193, Page 439, Official Records Book 896, Page 871 Official Records Instrument No. 1998088086, Official Records Instrument No. 2004032400 and Official Records Instrument No. 2009132288, of the Public Records of SARASOTA County, Florida.
7. Public Road Right of Way Dedication recorded in Official Records Book 502, Page 146, as corrected in Corrective Public Road Right of Way Dedication recorded in Official Records Book 507, Page 551.
8. Resolution No. 241-71 recorded in Official Records Book 889, Page 1127.
9. Interlocal Agreement recorded in Official Records Book 947, Page 1640 and Standard Interlocal Agreement recorded in Official Records Book 2604, Page 469.
10. Interlocal Cooperation Agreement for Emergency Fire Service recorded in Official Records Book 2258, Page 1343.
11. Easement recorded in Official Records Instrument No. 2001052479.

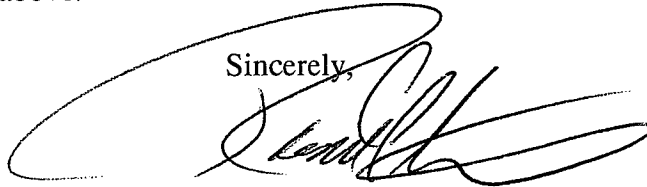
12. Permanent Right of Way Easement recorded in Official Records Book 2693, Page 448.
13. Terms and conditions of the Sovereignty Submerged Lands Lease from Board of Trustees of the Internal Improvement Trust Fund of the State of Florida to City of Venice, Florida dated 04/22/2003 and recorded as Official Record Instrument No. 2003086207 and Sovereignty Submerged Lands Lease Renewal and Modification dated 05/08/2008 recorded in Official Records Instrument No. 2008068307.
14. Permanent Drainage Easement recorded in Official Records Book 2693, Page 440.

All recording references refer to the public records of Sarasota County, Florida unless otherwise noted.

The leases and agreements identified above do not adversely affect the City's possession and control of the airport or interfere with its ability to carry out the obligations and covenants set forth in the project application.

Based upon my examination of the title reports, I have identified no legal deficiencies in the City's title except as noted above.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert C. Anderson', with a large, sweeping flourish extending from the end of the signature.

Robert C. Anderson
City Attorney

RCA/dlc

cc: Lori Stelzer, City Clerk
Edward F. Lavalley, City Manager
Chris Rozansky, Airport Administrator

EXHIBIT "A"

Parcel 1

Parcel 1 (Taken from Quit Claim Deed dated the 10th day of June, 1947, between THE UNITED STATES OF AMERICA, acting by and through the War Assets Administrator and the City of Venice, recorded in Deed Book 227, Page 192 of the Public Records of Sarasota County, Florida)

All of Section 19, Township 39 South, Range 19 East, excepting that tract lying along the Gulf of Mexico reserved by the government for use by Intercoastal Waterway and more particularly described as follows:

Beginning at the N.W. corner of Section 19, Township 39 South, Range 19 East, and extending in an Easterly direction along the North side of said Section 19 for a distance of 160 feet; thence South 16°54'15" East, for a distance of 5,290 feet; thence South 27°20'03" East to the South side of said Section 19; thence West to the S.W. corner of said Section 19; thence North along the West side of said Section 19, to the POINT OF BEGINNING at the N.W. corner of Section 19, Township 39 South, Range 19 East.

The West 1340 feet of Section 20, Township 39 South, Range 19 East, lying South of U.S. Highway #41.

Also a strip of land 50 feet in width comprising the right-of-way for an entrance road known as "E" street and located in the Southeast 1/4 of Section 18, Township 39 South, Range 19 East; said tract runs Northerly from the North boundary line of airport property to U.S. Highway #41.

Parcel 2

Parcel 2 (Taken from Quit Claim Deed dated the 21st day of August, 1957, between THE UNITED STATES OF AMERICA, acting by and through the Administrator of General Assets, and the City of Venice recorded in Official Records Book 55, Page 262 of the Public Records of Sarasota County, Florida)

The NW 1/4 of the NW 1/4 of Section 29; and that part of the N 1/2 of the NE 1/4, and the N 1/2 of Government Lot 1 in Section 30, Township 39 South, Range 19 East, in Sarasota county, Florida, lying East of a line, which is more particularly described as follows:

Beginning at the NW corner of Section 19, Township 39 South, Range 19 East; thence Easterly, along the North line of said Section 19, 160 feet to a point; thence South 16°54'15" East, 5,290 feet to a point; thence South 27°20'03" East to the South line of said Section 19, which point is also on the North line of said N 1/2 of Government Lot 1 in Section 30; thence continue South 27°20'03" East to a point on the South line of the N 1/2 of the NE 1/4 of said Section 30.

Parcel 3

Parcel 3 (Taken from Quit Claim Deed dated the 25th day of May, 1959, between THE UNITED STATES OF AMERICA, acting by and through the Administrator of General Assets, and the City of Venice recorded in Official Records Book 165, Page 484 of the Public Records of Sarasota County, Florida)

Commence at the Northwest corner of Section 19, Township 39 South, Range 19 East, Sarasota county, Florida, for a point of reference.

From said point of reference, run East along the North line of Section 19, 160 feet to a point; thence South $16^{\circ}54'15''$ East, 2,010.48 feet, more or less, to the centerline of the East-West runway of Venice Air Field and the POINT OF BEGINNING of the property hereby conveyed; from said POINT OF BEGINNING, continue South $16^{\circ}54'15''$ East, a distance of 2,915 feet, more or less, to a point; thence South $27^{\circ}20'03''$ East, 2,277 feet, more or less, to a point; thence run in a Westerly direction parallel to the South line of Section 19 to a monument at the high water line of the Gulf of Mexico; thence run Northwesterly 1,500 feet, more or less, along said high water line to a point on the South line of Section 19; thence run Northwesterly 2,500 feet, more or less, along the high water line to a point on the East line of Section 24; thence run Northwesterly 1,000 feet, more or less, to a point of intersection of the high water line and the centerline of the East-West runway of Venice Air Field, extended; thence run Easterly along the centerline, extended of said East-West runway, a distance of 1,100 feet, more or less, to the POINT OF BEGINNING.

Parcel 4

Parcel 4 (Taken from Quit Claim Deed dated the 14th day of April, 1964, between THE UNITED STATES OF AMERICA, acting by and through the Administrator of General Assets, and the City of Venice recorded in Official Records Book 479, Page 495 of the Public Records of Sarasota County, Florida)

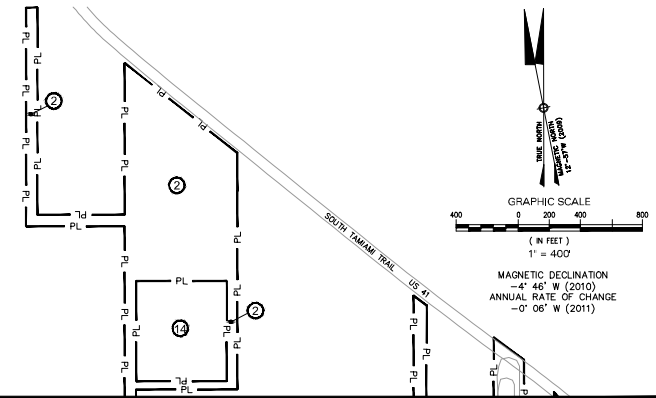
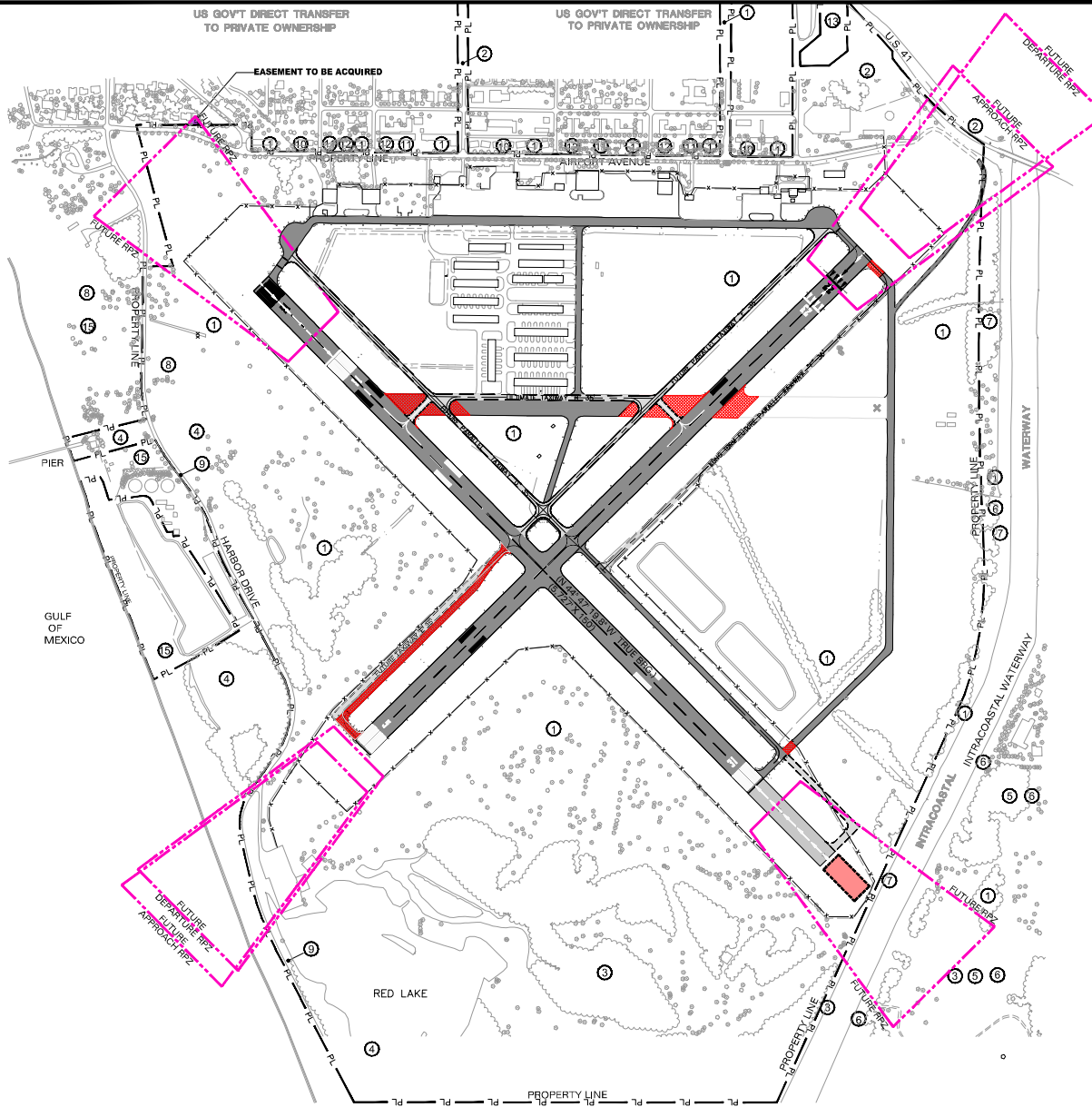
That certain property situate, lying in Section 19, Township 39 South, Range 19 East, and Section 24, Township 39 South, Range 19 East, in the County of Sarasota, in the State of Florida, and being more particularly described as follows:

At a point of reference, commence at the Northwest corner of said Section 19; thence run Easterly along the North line of said Section 19, a distance of 160 feet to a point; thence South $16^{\circ}54'15''$ East, 1,000 feet to the POINT OF BEGINNING of the property hereby conveyed; from said POINT OF BEGINNING, continue South $16^{\circ}54'15''$ East, 1,010.48 feet to a point on the centerline of the East-West runway of Venice air field; thence North $89^{\circ}59'29''$ West along the extended centerline of said East-West runway, 1,100 feet, more or less, to the high water mark of the Gulf of Mexico; thence Northwesterly along said high water mark, a distance of 1,010 feet, more or less, to a point which bears Westerly from the POINT OF BEGINNING; thence Easterly parallel to the North Line of said Sections 19 and 24, 1,100 feet, more or less, to the POINT OF BEGINNING;

Together with a perpetual and assignable easement for clear zone purposes in, over and above the following described land, upon which future construction of buildings or portions thereof, other structure or portions thereof, land embankments of earth, and or other materials shall be restricted to a height not exceeding twenty feet (20') from existing ground level, and the continuing perpetual right to cut and/or remove trees, bushes, shrubs, or other perennial growth or undergrowth which may now or hereafter infringe upon said clear zone, together with the right of unrestricted ingress, egress and passage on, over and through the land for the purpose of exercising the easement rights herein above specified, to wit:

As a point of reference, commence at the Northwest corner of Section 19, Township 39 South, Range 19 East; thence run Easterly along the North line of said Section 19, 160 feet to a point; thence South $16^{\circ}54'15''$ East, a distance of 2,010.48 feet to a point on the centerline of the East-West runway at Venice Airfield; thence North $89^{\circ}59'29''$ West, along the extended centerline of said East-West runway, 960 feet to the POINT OF BEGINNING; from said POINT OF BEGINNING run due South to an intersection with the high water mark of the Gulf of Mexico; thence Northwesterly along said high water mark to a point which bears North $89^{\circ}59'29''$ West from the POINT OF BEGINNING; thence South $89^{\circ}59'29''$ East to the POINT OF BEGINNING.

SEE INSET "A" THIS SHEET



INSET "A"

AIRPORT DEEDS						
KEY#	DATE	GRANTOR	GRANTEE	TYPE OF DEED	RECORDED	
①	6/10/47	UNITED STATES	CITY OF VENICE	QUITCLAIM	BK 227 PG 192	
	7/31/59	UNITED STATES	CITY OF VENICE	RELEASE	OR 177 PG 612	
②	7/07/48	UNITED STATES	CITY OF VENICE	QUITCLAIM	BK 240 PG 352	
	15/25/67	VENICE LAND CO.	CITY OF VENICE	QUITCLAIM	OR 715 PG 22	
③	8/21/57	UNITED STATES	CITY OF VENICE	QUITCLAIM	OR 55 PG 262	
	10/29/59	UNITED STATES	CITY OF VENICE	RELEASE	OR 193 PG 439	
④	5/25/59	UNITED STATES	CITY OF VENICE	QUITCLAIM	OR 165 PG 484	
⑤	6/11/59	CITY OF VENICE	WIND	QUITCLAIM	OR 206 PG 19	
	4/01/63	WIND	CITY OF VENICE	QUITCLAIM	OR 419 PG 716	
	4/09/63	CITY OF VENICE	WIND	QUITCLAIM	OR 419 PG 592	
⑥	3/28/63	UNITED STATES	CITY OF VENICE	RELEASE	OR 419 PG 719	
⑦	4/10/63	CITY OF VENICE	PUBLIC	RIGHT-OF-WAY	OR 419 PG 908	
⑧	4/14/64	UNITED STATES	CITY OF VENICE	QUITCLAIM	OR 479 PG 495	
⑨	10/29/64	CITY OF VENICE	PUBLIC - CORRECTION	RIGHT-OF-WAY	OR 507 PG 146	
	12/02/64	CITY OF VENICE	PUBLIC - CORRECTION	RIGHT-OF-WAY	OR 507 PG 551	
⑩	5/14/71	UNITED STATES	CITY OF VENICE	RELEASE	OR 896 PG 871	
⑪	6/08/72	UNITED STATES	CITY OF VENICE	RELEASE	OR 964 PG 5	
⑫	11/21/72	UNITED STATES	CITY OF VENICE	RELEASE	OR 981 PG 368	
⑬	7/25/96	CITY OF VENICE	ITALIAN AMERICAN	RELEASE	BK 2972 PG 371	
⑭	2/10/98	CITY OF VENICE	CITY OF VENICE - CHUCK REITER PK.	RELEASE	BR 3073 PG 2752	
⑮	6/15/98	CITY OF VENICE	CITY OF VENICE - BROHARD PK.	RELEASE	1998080806	

NOTE: RUNWAY 4-22 TO BE RE-MARKED TO 5-23 DURING RUNWAY REHABILITATION PROJECT.

SOURCE: 1999 ALP PROPERTY MAP. CITY IS PRESENTLY UPDATING PROPERTY MAP AND SURVEY INFORMATION.

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.

FINAL			
NO.	REVISION	BY	APP. DATE
VENICE MUNICIPAL AIRPORT CITY OF VENICE, FLORIDA			
PROPERTY MAP			
DRAWN: WA/KA	CHKD: LM/MG	DATE: 06/28/2011	PROJECT NO: DY401.00
DY CONSULTANTS PLANNERS & ENGINEERS 401 FERNLEIGH AVENUE, SUITE 310, GARDEN CITY, NY 11530 Tel No. (516) 625-3800 Fax No. (516) 625-3854			S.H.E.E.T 14 OF 15