

**WORK ASSIGNMENT NO. 401-18-08 PURSUANT TO
THE JUNE 13, 2017 AGREEMENT BETWEEN THE
CITY OF VENICE, FLORIDA AND
AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**

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

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

WHEREAS, the CONSULTANT wishes to perform such professional services,

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

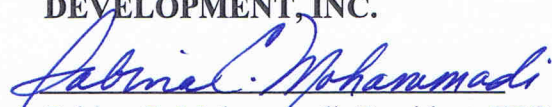
1. General description of the project: **Design, Permitting, and Bidding for the construction of the extension of Taxiway D.**
2. Scope of services to be performed: CONSULTANT shall perform the services described in the Scope of Services attached hereto as Attachment A.
3. Compensation to be paid: **For the Design, Permitting, and Bidding, the CONSULTANT will be paid a Lump Sum amount of one hundred sixty eight thousand six hundred six dollars (\$168,606.00) as indicated in Attachment B.**
4. Time for completion. CONSULTANT shall complete the professional design services specified in this Work Assignment within *two hundred seventy (270) calendar days* from the date of this Work Assignment as prescribed in Attachment A.
5. The terms and conditions of the **June 13, 2017**, Agreement shall remain in full force and effect until the completion of this Work Assignment.

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

_____ day of _____, 2018.

AMERICAN INFRASTRUCTURE

DEVELOPMENT, INC.


Sabina C. Mohammadi, President-CEO

ATTEST:

CITY OF VENICE, FLORIDA

CITY CLERK

John Holic, Mayor

ATTACHMENT A SCOPE OF SERVICES

WORK ASSIGNMENT 401-18-08

EXTEND TAXIWAY D VENICE MUNICIPAL AIRPORT

American Infrastructure Development, Inc. (AID), and its Subconsultants, Hillers Electrical Engineering, Inc. (HEE) and Hyatt Survey Services, Inc. (HSS), will provide Professional Engineering Services to the City of Venice (OWNER) for Extend Taxiway D Design at the Venice Municipal Airport. Specifically, the AID Design Team (CONSULTANT) will provide design and permitting services and prepare construction documents for the construction of the Taxiway D Extension.

The CONSULTANT will design the extension of Taxiway D to meet all applicable Federal Aviation Administration (FAA) and Florida Department of Transportation (FDOT) criteria, prepare construction documents and assist the OWNER to Bid the project. The design will also be based on the OWNER's FAA approved Airport Layout Plan (ALP).

The project location is shown on Exhibit 1. It will include modifications to the intersection of Taxiway D with Taxiways A, B, and E. Taxiway signage and lighting at these intersections will also be modified. Additional information on the scope can be found in Attachment C, Subconsultants Scope of Work. The estimated construction cost is \$1,500,000.



Exhibit 1- Project Location

ATTACHMENT A SCOPE OF SERVICES



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 150/5320-5D, “Airport Drainage Design”
3. FAA Advisory Circular AC 150/5320-6F, “Airport Pavement Design and Evaluation”
4. FAA Advisory Circular AC 150/5340-1L, “Standards for Airport Marking”
5. FAA AC 150/5340-18F, Standards for Airport Sign Systems
6. FAA Advisory Circular AC 150/5340-30J, “Design and Installation Details for Airport Visual Aids
7. FAA Advisory Circular AC 150/5345-44K, “Specification for Runway and Taxiway Signs”
8. FAA AC 150/5345-46E, Specification for Runway and Taxiway Light Fixtures
9. FAA AC 150/5345-47C, Specifications for Series to Series Isolation Transformers for Airport Lighting Systems
10. AC 150/5345-53D, Airport Lighting Equipment Certification Program
11. FAA AC 150/5370-2G, Operational Safety on Airports During Construction
12. FAA AC 150/5370-10G, Standards for Specifying Construction of Airports

Construction drawings will be prepared in AutoCAD 2018 format, or higher.

General Scope

AID will provide the following general services for this project:

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

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

ATTACHMENT A SCOPE OF SERVICES



Basic Services:

TASK 1: Program Verification

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

1. Determine number and locations of pavement cores.
2. Perform geotechnical investigations.
3. Meet and coordinate with the survey subconsultant.
4. Coordinate and attend a pre-design meeting with the OWNER, FAA, and tenants on project issues such as design alternatives, project phasing, construction staging, budget, and schedule.
5. Prepare a preliminary Access, Phasing and Maintenance of Traffic Plan
6. Prepare a preliminary construction schedule considering weather and air traffic conditions.
7. Identify any additional information that may be required from field investigations or other agencies.

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

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

TASK 2: 30% Design Development

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

1. Preliminary pavement design
2. Evaluate night-time and day-time construction alternatives
3. Prepare 30% Construction Drawings

ATTACHMENT A SCOPE OF SERVICES



4. Update the construction cost estimate
5. Update the construction schedule
6. Prepare a Preliminary Engineer's Report
7. Prepare a Specifications Outline
8. Identify any Modifications of Standards (MoS) required to the FAA design criteria

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

Deliverables: The CONSULTANT will submit electronic copies and two (2) printed copies of 11"X17" 30% Level Construction Plans, Specifications Outline and Preliminary Engineer's Report to the OWNER for review. Upon receipt of review comments from the OWNER, the CONSULTANT will proceed with the 60% Contract Document production.

TASK 3: 60% Contract Documents

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

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

1. Finalize the pavement design
2. Evaluate the construction sequence and update the phasing/maintenance of traffic plan
3. Prepare 60% level drawings, which will include:
 - a. Cover Sheet
 - b. Project Site/Layout Plan
 - c. Project Key Sheet
 - d. General/Safety Notes Plan
 - e. Project Safety Plan and Notes
 - f. Project Phasing/Construction Sequencing/Maintenance of Traffic Plans and Details
 - g. Project Survey Control Plan
 - h. Geotechnical/Boring Location Plan
 - i. Staking and Demolition Plans
 - j. Erosion Control Plans and Details
 - k. Paving, Grading, and Drainage Plans and Details
 - l. Typical Sections

ATTACHMENT A SCOPE OF SERVICES



- m. Profiles and Cross Sections
- n. Pavement Marking Plans and Details
- 4. Review and revise the Construction Cost Estimate
- 5. Review and revise the Construction Schedule
- 6. Update the Engineer's Report
- 7. Prepare Draft Technical Specifications

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

Deliverables: The CONSULTANT will submit electronic copies and two (2) printed copies of 11"X17" 60% Level Construction Plans, Draft Technical Specifications and Updated Engineer's Report to the OWNER for review. Upon receipt of review comments from the OWNER, the CONSULTANT will proceed with the 60% Level Contract Documents.

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

TASK 4: 90% Contract Documents

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

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

- 1. Finalize the construction sequence and update the Phasing/Maintenance of Traffic Plans
- 2. Progress the 60% Contract Documents level drawings to 90% level of completion
- 3. Review and revise the Construction Cost Estimate
- 4. Review and revise the Construction Schedule
- 5. Review and revise the Engineer's Report which will include the Construction Cost Estimate and Construction Schedule
- 6. Review and revise the Technical Specifications
- 7. Prepare Draft Project Manual which will include the FAA and OWNER Front-End Documents and the Technical Specifications

ATTACHMENT A SCOPE OF SERVICES



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

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

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

TASK 5: 100% Contract Documents

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

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

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

TASK 6: Bidding and Award Services

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

1. Prepare Issued for Bid Construction Documents

ATTACHMENT A SCOPE OF SERVICES

2. Prepare for and attend the Pre-Bid Conference
3. Address questions from Bidders
4. Revise Contract Documents and assist OWNER with issuing Addenda
5. Attend the Bid Opening Meeting
6. Review all bids for responsiveness and accuracy
7. Prepare certified Bid Tabs
8. Make Recommendation of Award of the contract

Other Provisions

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

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

Special Services

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

- AID will provide related geotechnical exploration services to assist the project team in the design of the Taxiway D extension. To evaluate existing subsurface conditions and arrive at our conclusions, AID will perform Standard Penetration Test (SPT) borings [will be performed by a qualified subconsultant], obtain soil samples, perform laboratory testing, and analyze gathered data. AID scope of work under this task will consist of the following:
 - Perform a total of 11 Standard Penetration Test (SPT) borings along the Taxiway D extension each extending 10 feet below the existing ground surface or refusal depth;
 - Obtain two (2) bulk samples for laboratory California Bearing ratio (CBR) testing. The sample will be collected from the upper 1 to 2 feet of the existing ground surface;
 - Grout all borings to the surface;
 - Provide a brief review of our test procedures and the results of the field and laboratory tests;
 - Provide field exploration plan or GPS coordinates indicating the approximate location of the borings;
 - Provided graphical representation of the subsurface conditions including standard penetration resistance data and groundwater levels;

ATTACHMENT A SCOPE OF SERVICES



- Provide general evaluation of the site considering the proposed project and encountered subsurface conditions;
- Provide general design and construction criteria.
- Provide recommendations for site preparation and construction of compacted fills or backfills.

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

- Perform field surveys and investigations by a Registered Professional Surveyor to establish or verify boundaries and monuments and perform topographic surveys and deliver to the OWNER electronic (AutoCAD and PDF) and paper copy of all final surveys.
- Preparation of an Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) in conjunction with a Construction Safety and Phasing Plan (CSPP). The CONSULTANT will submit multiple points to clearly identify the different elements of the project, including construction staging areas, haul routes, and specific construction sites for FAA's review and approval.
- Grant Services during Design – The CONSULTANT will provide Grant assistance, during Design including Pre-Application, Grant Application, the preparation of Quarterly Grant Reports and Grant Closeout. In addition, the CONSULTANT will submit a new Grant Application for the Construction Phase of this project.
- Prepare Categorical Exclusion (CATEX) - The CONSULTANT will prepare a CATEX for the project. The OWNER will submit the CATEX to the FAA for approvals.
- Coordination with FAA and FDOT – CONSULTANT will coordinate, as necessary, with the FAA Airports District Office (ADO) and FDOT District 1 representatives to address any design and schedule related items and identify and facilitate approval of any modifications to FAA standards.

Services Not Included

Any services not specifically provided for in the above scope as well as any changes in the scope requested by the OWNER will be considered additional services and will be performed at our then current hourly rates as we agree prior to their performance. Additional services we can provide include, but are not limited to, the following:

- Threatened or endangered species' relocation and mitigation plans
- Preparation of Conformed Documents after Bidding
- Construction Administration Services
- Resident Project Representative (RPR) Services during Construction
- Quality Assurance Testing during Construction

ATTACHMENT A SCOPE OF SERVICES



Deliverables

Deliverables are listed per phase, but generally the CONSULTANT will provide digital PDF copies of the Contract Documents for review and comment. Hard copies of the construction plans will be provided to City Engineering for review and approval.

Project Design Schedule

All work required to be performed by the CONSULTANT pursuant to this Work Assignment shall be completed as shown below. The calendar days shown include agency or OWNER review time. It also takes into account the deadline for submitting the Grant Application for the Construction Phase services in June of 2019.

<i>Task Number</i>	<i>Calendar Days</i>
Task 1 – Program Verification	45
Task 2 – 30% Design Development	30
Task 3 – 60% Contract Documents	60
Task 4 – 90% Contract Documents	45
Task 5 – 100% Contract Documents	30
Task 6 – Bidding and Award	60
TOTAL DURATION	270 Calendar Days

Fee Summary

Task Description	Total Fees
------------------	------------

Basic Services

Phase	Fee
Program Verification	\$ 9,566.00
Design Development (30%)	\$ 24,948.00
Contract Documents (60%)	\$ 29,682.00
Contract Documents (90%)	\$ 18,792.00
Contract Documents (100%)	\$ 9,930.00
Bidding and Award Services	\$ 12,356.00
Electrical Engineering (Hillers)	\$ 22,800.00

Subtotal Total Basic Services (Lump Sum):	\$128,074.00
--	---------------------

Special Services

Topographic Surveys	\$ 6,500.00
Geotechnical Investigations	\$ 13,310.00
Stormwater Permitting (SWFWMD)	\$ 7,820.00
Prepare CATEX	\$ 760.00
Coordinate with FAA and FDOT	\$ 1,242.00
Grant Services	\$ 6,952.00
Airspace Checklist Submittal (OE/AAA), CSPP	\$ 3,948.00

Subtotal Special Services (Lump Sum):	\$40,532.00
--	--------------------

Total Fees (Lump Sum):	\$168,606.00
-------------------------------	---------------------

ATTACHMENT B
Work Assignment 401-18-08
Extend Taxiway D
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$195.00	\$181.00	\$160.00	\$127.00	\$88.00	\$83.00	\$60.00	

Program Verification

1	Compile and Review Project related Documents		2	2	8			4	16
2	Perform a Field Inspection			4					4
3	Field Verify As-Builts				4				4
4	Review and Confirm Initial Cost Estimates			2					2
5	Meet and Coordinate with the OWNER	2	2	4					8
6	Determine Number and locations of Cores		2	2					4
7	Meet and Coordinate with Subconsultants			2	4			2	8
8	Coordinate and Attend a Pre-Design Meeting	2		8					10
9	Prepare a Preliminary Construction Schedule			2					2
10	Identify Permit Requirements			4	4				8
Total Labor Hours:		4	6	30	20	0	0	6	66
Total Labor Costs:		\$780.00	\$1,086.00	\$4,800.00	\$2,540.00	\$0.00	\$0.00	\$360.00	\$9,566.00

Design Development (30%)

1	Review Geotech Report and Evaluate Findings		2	4					6
2	Perform a Site Visit to Verify Survey			4	4				8
3	Preliminary Pavement Design		2						2
4	Preliminary Phasing Analysis	2		2	4				8
5	Prepare 30% Drawings								0
	a. Cover Sheet			1	2		2		5
	b. Project Site/Layout Plan			1	4		4		9
	c. Project Key Sheet				2		8		10
	d. Survey Control Plan			2	2		4		8
	e. Typical Sections				2		4		6
	f. Phasing Plan			2	4		8		14
	g. Staking/Demolition Plans			2	4		16		22
	h. Paving and Grading Plans		2	2	2		4		10
	i. Paving Details		2	2	2		2		8
	j. Misc. Details		2	6			2		10
6	Update Construction Cost Estimate		2	4					6
7	Update Construction Schedule		2	2	2				6
8	Prepare Preliminary Engineer's Report			2	2		2	2	8
9	Identify any Modification to Standards			2	4			2	8
10	Prepare outline of Technical Specifications			4	4			2	10
11	Quality Review	2	4	8				4	18
12	Submit 30% Documents				4		4	2	10
13	General Coordination with Owner	2	4						6
Total Labor Hours:		6	22	50	48	0	60	12	198
Total Labor Costs:		\$1,170.00	\$3,982.00	\$8,000.00	\$6,096.00	\$0.00	\$4,980.00	\$720.00	\$24,948.00

ATTACHMENT B
Work Assignment 401-18-08
Extend Taxiway D
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$195.00	\$181.00	\$160.00	\$127.00	\$88.00	\$83.00	\$60.00	

Contract Documents (60%)

1	Finalize Pavement Design			4					4
2	Evaluate Construction Sequence and Phasing		2	4	4			2	12
3	Review Owner and other Comments		2	2	4		4		12
4	Prepare 60% Drawings								0
	a. Cover Sheet						2		2
	b. Project Site/Layout Plans				2		8		10
	c. Project Survey Control Plans						4		4
	d. Geotechnical/Boring Location Plan						4		4
	e. Project Safety Plan		4		4		8		16
	f. Phasing/Construction Sequencing Plan		2	4			16		22
	g. General Notes Plan			2			2		4
	h. Project Key Sheet						4		4
	i. Typical Sections			2	4		8		14
	j. Staking and Demolition Plans			2	4		16		22
	k. Paving, Grading and Drainage Plans			2	4		30		36
	l. Pavement Marking Plans		2	2	4		4		12
	m. Marking Details			2			4		6
	n. Misc. Details			2			2		4
5	Update Construction Cost Estimate			2	4		4	2	12
6	Update Construction Schedule			2					2
7	Update Engineer's Report			4	4		2	4	14
8	Prepare Draft Front-End Documents			4					4
9	Prepare Draft Specifications				8				8
10	Quality Review	4	4						8
11	Submit 60% Documents		4		4		8	2	18
12	General Coordination with Owner	4	2						6
Total Labor Hours:		8	22	40	50	0	130	10	260
Total Labor Costs:		\$1,560.00	\$3,982.00	\$6,400.00	\$6,350.00	\$0.00	\$10,790.00	\$600.00	\$29,682.00

Contract Documents (90%)

1	Finalize Construction Cost Estimate			2	2		4		8
2	Finalize Construction Schedule			2					2
3	Finalize Engineer's Report			4	2			2	8
	Prepare 90% Drawings								0
	a. Cover Sheet						1		1
	b. Project Site/Layout Plan						1		1
	c. Project Survey Control Plan						1		1
	d. Geotechnical/Boring Location Plan						1		1
	e. Project Safety Plan						2		2
	f. Phasing/Construction Sequencing Plan			2	2		2		6
	g. General Notes			2			2		4
	h. Project Key Sheet						2		2
	i. Typical Sections				2		4		6
	j. Staking and Demolition Plans				2		4		6
	k. Paving, Grading and Drainage Plans			2	4		16		22
	l. Drainage Details			2	2		4		8
	m. Pavement Marking Plans		2	2	2		8		14
	n. Marking Details			2	2		4	2	10
	o. Misc. Details				2		2		4
4	Complete Front-End Documents			4	8			8	20
5	Complete Technical Specifications			4	8			8	20

ATTACHMENT B
Work Assignment 401-18-08
Extend Taxiway D
Venice Municipal Airport



TASK DESCRIPTION		Project Principal	Project Manager	Senior Engineer	Engineer	Senior Designer	Designer	Clerical	Totals
Task	Description	\$195.00	\$181.00	\$160.00	\$127.00	\$88.00	\$83.00	\$60.00	

6	Quality Review	4							4
7	Submit 90% Documents				2		4	4	10
8	General Coordination with Owner	4	4						8
Total Labor Hours:		8	6	28	40	0	62	24	168
Total Labor Costs:		\$1,560.00	\$1,086.00	\$4,480.00	\$5,080.00	\$0.00	\$5,146.00	\$1,440.00	\$18,792.00

Contract Documents (100%)

1	Incorporate Final Review Comments				24			16	40
2	Prepare Final Bid Documents	2	4	8	24			8	46
Total Labor Hours:		2	4	8	48	0	0	24	86
Total Labor Costs:		\$390.00	\$724.00	\$1,280.00	\$6,096.00	\$0.00	\$0.00	\$1,440.00	\$9,930.00

Bidding and Award Services

1	Coordinate with Owner	4	8					4	16
2	Prepare for and Attend Pre-Bid Conference	4	4	8					16
3	Answers to Bidders/Issue Addenda		4	8	16			4	32
4	Attend Bid Opening	4						2	6
5	Review Bids for Responsiveness		4					4	8
6	Certified Bid Tabs/Award Contract		4					4	8
Total Labor Hours:		12	24	16	16	0	0	18	86
Total Labor Costs:		\$2,340.00	\$4,344.00	\$2,560.00	\$2,032.00	\$0.00	\$0.00	\$1,080.00	\$12,356.00

Total Fees (Lump Sum): **\$105,274.00**

ATTACHMENT B
Work Assignment 401-18-08
Extend Taxiway D
Venice Municipal Airport



TASK DESCRIPTION	Project	Project	Senior	Engineer	Senior	Senior	Clerical	Total Hours	Total Dollars
	Principal	Manager	Engineer		Designer	Designer			
	\$195.00	\$181.00	\$160.00	\$127.00	\$88.00	\$83.00	\$60.00		

Special Services

1	Topographic Surveys									\$6,500.00
2	Geotechnical Investigations									\$13,310.00
3	Subsurface Utility Engineering (Allowance)									\$0.00
4	Quality Assurance Testing									\$0.00
5	Aerial Photography/Mapping									\$0.00
6	Resident Project Representative		0	Days At		0	Hrs/Day at	Per Hour		\$0.00
7	Stormwater Permitting									
	Attend Pre-Application Meeting			8	8				16	\$2,296.00
	Prepare Permit Application			4	16		4		24	\$3,004.00
	Submit Permit Application				2				2	\$254.00
	Respond to RAI's				8		8		16	\$1,680.00
	Resubmit Permit Application				2		4		6	\$586.00
	Total Stormwater Permitting:								64	\$7,820.00
8	Prepare CATEX			4				2	6	\$760.00
9	Coordinate with FAA and FDOT		2	4				4	10	\$1,242.00
10	Grant Services		8	24		8		16	56	\$6,952.00
11	FAA Reimbursable Agreement Assistance								0	\$0.00
12	Airspace Checklist Submittal (OE/AAA), CSPP		4	16			8		36	\$3,948.00

Total Special Services Fees (Lump Sum):

\$40,532.00



HILLERS ELECTRICAL ENGINEERING, INC.

March 26, 2018

American Infrastructure Development, Inc.
Mr. Eric Bain, P.E., M.B.A.
37 North Orange Avenue
Orlando, Florida 32801

Subject: Electrical Design Services Fee Proposal for the Venice Municipal Airport (Airport) Proposed Taxiway "D" Extension Project Electrical, Lighting and Signage Systems. Proposal based on AID provided information.

Dear Eric:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide American Infrastructure Development, Inc. (AID) an electrical design services fee proposal for the Venice Airport Proposed Taxiway "D" Extension Project - Electrical, Lighting and Signage Systems.

The following items are included in our scope:

- Includes all Airport, FAA, FDOT and AID design coordination meetings.
- Includes as-build reviews & field verifications and assessment of existing conditions.
- Includes Engineering Report for electrical, lighting and signage systems.
- Includes Taxiway "D" Extension airfield lighting electrical plans reflecting all cable & conduit systems, signage, grounding systems, manholes, taxiway LED edge lighting installations & modifications to existing airfield electrical vault new CCR regulator equipment & power & control installation details & layouts.
- Includes demolition & modifications to existing lighting & signage circuits.
- AID shall provide all base drawings to HEE on AutoCAD 2015.
- HEE shall provide 1- electronic set of electrical design documents & specifications & cost estimates to AID for 30%, 60%, 90%, 100% reviews, permit, bid and construction electrical & lighting plans to AID.
- HEE shall provide all FAA specifications electrical bid line items and cost estimates.
- AID shall provide all printing of Plans & Specifications for reviews, bid phases, permits and construction phases to the Airport.
- Provide bid & award services per Bid Package
- Does not include Construction services.
- Does not include any type of design for RW, TW, PAPI, REIL Systems.

Our proposed electrical design fee Taxiway "D" Extension is: \$ 22,800.

Sincerely,

Thomas Doran, Vice-President



March 28, 2018

Mr. Eric Bain, P.E., M.B.A.
American Infrastructure Development, Inc.
37 N. Orange Ave., Suite 500
Orlando, Florida 32801

Re: Proposal for Professional Surveying Services
Venice Airport (VNC) Taxiway Extension: Topographic Survey
Sarasota County, Florida

Dear Mr. Bain:

Pursuant to the information you provided, Hyatt Survey Services, Inc. is pleased to submit this proposal for the following professional surveying services required on the above-referenced project:

SCOPE OF SERVICES

I. Topographic Survey:

- A. Hyatt Survey will perform a Topographic Survey of the site referenced above and as depicted in the attached exhibits.
- B. Hyatt Survey will locate visible aboveground site improvements, utilities and appurtenances. Underground utilities will be graphically depicted on the survey drawing(s) in accordance with visible appurtenances.
- C. On all non-paved areas, Hyatt Survey will determine site elevations on a maximum fifty (50') foot grid and at grade breaks.
- D. On all paved areas, Hyatt Survey will determine site elevations on a maximum twenty-five (25') foot grid and at grade breaks.
- E. All elevations will be referenced to existing Sarasota County/NGS Vertical Control benchmarks and the NAVD 1988 vertical datum.
- F. No boundary survey is included in this scope of services.
- G. Hyatt Survey will prepare an AutoCAD Civil 3D DTM based on the collected data. Contour lines will be generated on an interval as defined by the client.
- H. Hyatt Survey personnel with coordinate security clearance / access with airport authorities as needed.
- I. Hyatt Survey will provide the survey in AutoCAD & PDF format prepared to the client's CAD/layer specifications as well as six (6) signed and sealed hardcopies of the survey drawing.

Hyatt Survey proposes to provide these services for the lump sum fee of **\$ 6,500.00**



Mr. Eric Bain, P.E., M.B.A.
American Infrastructure Development, Inc.
March 28, 2018
Page 2

All work will be performed in accordance with the "standards of practice" outlined in Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes

I have attached our standard "General Contract, Provisions and Conditions" as part of this agreement. To accept this proposal, please sign where indicated below and return a copy of this document as your acceptance of this agreement and our authorization to proceed.

If you have any questions or comments, please do not hesitate to contact me at 941-748-4693. I look forward to working with you on this project.

Sincerely,

HYATT SURVEY SERVICES, INC.

A handwritten signature in black ink that reads "Pam Hyatt".

Pamela A. Hyatt, P.S.M.
President

Accepted by: **American Infrastructure Development, Inc.**

Sign here: _____ Date: _____

Print name here: _____

American Infrastructure Development, Inc.
GEOTECHNICAL SERVICES
 Venice Municipal Airport - Taxiway D Extension
 Venice, Sarasota County, Florida
 Monday, March 26, 2018

Description	Unit	Estimated Quantity	Unit Cost	Estimated Total
Field Services				
A. Mobilization/Demobilization	LS	1.0	\$750.00	\$750.00
B. Standard Penetration Test Borings, 5 Borings @ 10 Feet Each	Foot	110.0	\$18.00	\$1,980.00
C. Grout Borings to the Surface	Foot	110.0	\$7.75	\$852.50
D. Obtain Bulk Sample for CBR Testing	Each	2.0	\$50.00	\$100.00
E. Project Engineer, Site Visit, Coordination, etc.	Hour	24.0	\$110.00	\$2,640.00
F. Pier Diem, Project Engineer	Each	1.0	\$0.00	\$0.00
			Sub-Total	\$6,322.50
Laboratory Testing				
A. Moisture Content (ASTM D 2216)	Each	10.0	\$15.00	\$150.00
B. Grain Size Analysis/Fines Content	Each	10.0	\$85.00	\$850.00
C. Liquid Limit, Plastic Limit and Plasticity Index of Soils (ASTM D 4318)	Each	0.0	\$150.00	\$0.00
D. California Bearing Ratio (CBR) Test	Each	2.0	\$450.00	\$900.00
			Sub-Total	\$1,900.00
Engineering & Administration				
A. Project Manager	Hour	1.0	\$125.00	\$125.00
B. Senior Geotechnical Engineer	Hour	40.0	\$110.00	\$4,400.00
C. Drafting/CADD	Hour	6.0	\$75.00	\$450.00
D. Clerical/Administration	Hour	2.0	\$55.00	\$110.00
			Sub-Total	\$5,085.00
			Estimated Total	\$13,307.50
			Total Fees (Lump Sum):	\$13,310.00