

**CITY OF VENICE  
FINANCE- PROCUREMENT  
DEPARTMENT**

401 W. VENICE AVE. - ROOM # 204  
VENICE, FL. 34285  
(941) 486-2626  
FAX (941) 486-2790

**ADDENDUM NO. 1**

**Date: December 4, 2018**

**To: All Prospective Proposers**

**Re: ITB# 3090-18: Construction of Aircraft Wash Rack Facility**

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This addendum sets forth changes and/or information as referenced and is hereby made part of and should be attached to the subject Contract Documents. Receipt of this Addendum shall be acknowledged below and in the submitted proposal. It shall be the responsibility of each proposer, prior to submitting a proposal, to contact the City of Venice- Procurement Department to determine if addenda were issued and to make such addenda a part of their proposal.

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The following is to clarify and provide additional information requested and questions submitted during the pre-bid meeting held November 30, 2018 at 10:00 AM and questions submitted to date.

**Summary:**

1. **Gregg Hamm of American Infrastructure Development, Inc. started the pre-bid meeting with introductions and then reviewed the scope of work, the phasing of the project with the contract time/liquidated damages:**
  - a. **Phase M - Mobilization- 30 calendar days - n/a**
  - b. **Phase 1A - Site Preparation, Grading, Paving, Concrete Apron, Drainage and Utility Work- 60 calendar days- with liquidated damages of \$500/day.**
  - c. **Phase 1B - Site Preparation, Grading, Paving, Drainage and Utility Work within the N-S Taxilane and Hangar Taxilane TOFA. Taxiway A Closure shall be for only 1 day to install the pipe, MES and sod- 5 calendar days - with liquidated damages of \$500/day**

- d. **Phase 1C** – Electric work with Shade Hangar - 2 calendar days - with liquidated damages of \$500/day
- e. **Phase 1D** – Utility Conduit work to connect the Wash rack Card Reader to the Administration Building- 3 calendar days - with liquidated damages of \$500/day
- f. **Phase 2** – 30-day cure time - 30 calendar days - with liquidated damages of \$500/day
- g. **Phase 3 - Marking-** 1 calendar day - with liquidated damages of \$500/day
- h. **Substantial Completion - Complete substantial completion, create punch list and work on substantial punch list items – to be completed within 91 calendar days from NTP - with liquidated damages of \$1,000/day**
- i. **Final Completion - Complete final completion, create punch list and work on final punch list items – to be completed within 121 calendar days from NTP - with liquidated damages of \$1,000/day**

**Mr. Hamm stated that work in Phases 1A, 1B, 1C and 1D shall be completed simultaneously but shall not exceed the duration for each individual phase. Mr. Hamm also stated that the duration of the complete project is 121 calendar days.**

- 2. **Mr. Hamm reviewed the next important dates. Proposals are due December 14, 2018 at 2:00 PM, City Hall, Room #204. The actual bid opening will occur in City Hall, Room #114 shortly thereafter. Last questions and follow-up answers is December 5th by 1:00 PM.**
- 3. **One Contractor asked about any testing costs.  
Response: Mr. Hamm stated that any testing costs are paid by the chosen contractor.**
- 4. **Another Contractor asked about the Safety and Security section.  
Response: Jim Eppley, Venice Airport stated that the chosen contractor will need a gate attendee when materials are being moved into the Airport area. Badging is required for at least one escort and that any drivers will need to attend the required driving class. A flagman will need to be present for Taxiway crossings. Marta Ugas-Carpenter, Venice Airport, stated that \$30.00 charge for badges will be waived for this project.**
- 5. **One Contractor asked about any required permits.  
Response: Mr. Hamm stated that the City is waiting on the DEP wastewater permit and it should be approved by the project's construction time. The City of Venice permit is ready, the chosen contractor will have to go to City Hall to sign it and that there is no cost to the chosen contractor. The proposed project was reviewed by SWFWMD and an Environmental Resource Permit (ERP) will not be required. All other permits shall be the responsibility of the contractor.**

6. Another Contractor asked of the anticipated time line for the project start time.  
**Response: Mark Cervasio, Airport Director, stated that it maybe six to eight weeks after the bid opening. This is due to coordinating this item for the Council Agenda. This would make the start time around late February - early March.**

7. There were expressed concerns about the various Phasing and timing. This was discussed during the meeting and e-mailed after the meeting - “I want to express my concerns for the stipulated contract times. It was discussed in depth about the electrical portion of this project, but my main concerns amount of allotted time for phase 1A, 60 calendar days is not enough time to complete this proposed work. There are a number of long lead time items which will require 4 – 6 weeks to procure after shop drawing review & approval. Almost every item which requires fabrication (storm inlets, oil water separator, electric valves, etc.) are production items which require lead time. The construction industry is under a lot of pressure due to the increased demand on all products, thus requiring longer lead times to secure materials. I feel the stipulated times to complete the work are unreasonable. Please consider adding more contract time to this project.”

**Response: The project duration and liquidated damages has been revised. Mobilization has been revised to sixty (60) calendar days to allow for more lead time and procurement of project materials. Phase 1C (work within the shade hangar) has been revised to twelve (12) calendar days. Phase 1D (utility conduit work to connect wash rack card reader to the administration building has been revised twelve (12) calendar days.**

See table below for revised calendar days and liquidated damages for each phase.

CONTRACT DAYS AND SCHEDULE OF LIQUIDATED DAMAGES		
<u>Work Item</u>	<u>Calendar Days</u>	<u>Liquidated Damages</u>
Mobilization	60	N/A
Phase 1A	60	\$ 500/day
Phase 1B	5	\$ 500/day
Phase 1C	12	\$ 500/day
Phase 1D	12	\$ 500/day
Phase 2	30	\$ 500/day
Phase 3	1	\$ 500/day
Substantial Completion	121	\$1,000/day
Final Completion	151	\$1,000/day

8. There were also expressed concerns about the Bid Form and the question of conduit not broken down properly.

**Response: The conduit run from the card reader to the administration building is shown as a lump sum item #48 on the bid form.**

9. There were questions about the underground PVC used, combining circuits with no breakdowns and the use of 4” conduit with the use of four 1” lines installed in this conduit.

**Response: The contractor can bid on the fiber optic cable conduit as 4" with (3) innerducts.**

10. Contractor asked for the need of elevation verification for the directional boring.

**Response: The contractor should target 36" below grade for the fiber conduit and maintain 12" separation from other conduits/pipes as stated on the plans.**

11. Contractor asked of the security software and if the City is responsible for this software at the administration building.

**Response: Mr. Hamm stated that it will be the City's responsibility for installing the security software.**

12. Another Contractor stated about the possible issue with electrical voltage drops on the Airport grounds.

**Response: Mr. Eppley stated that there are no issues with voltage anywhere on the airfield as long as the tenants use their 120vac/15amp or 20-amp circuits for the purpose and load that they were designed for.**

13. Another asked of the issue complicated listing of the electrical work on the Bid Form and if it would be possible to have this part as a "lump-sum".

**Response: The electrical items will not be revised into a lump sum.**

14. There was a question of Davis-Bacon and certified payrolls for this project and that this was stated in the bid documents.

**Response: Mr. Cervasio stated that this is a City funded project and that these items were inadvertently left in the bid documents. Davis-Bacon and certified payrolls will not be required for this project. There is no FDOT monies being used for this project.**

15. Another Contractor asked what the budget is for this project.

**Response: Mr. Hamm stated that this project is budgeted at \$300,000.**

16. One Contractor asked of the timeframe for this project and why some Phases have a short duration.

**Response: Mr. Hamm stated that the shorter time duration is required to keep Taxiway A and Taxilane N-S open.**

17. Jon Mayes, Procurement Department, reminded Contractors to review pages BF-i and RF-1- "Required Forms Lists" (also attached at end of this addendum). Required forms start on page BF-1 thru BF-9 and RF-3 thru RF-37, two separate sections. Pages BF-i and RF-1 can be used as a "check off" sheet for these forms and mark a form "N/A" and return it, even if such form may not pertain to the contractor. As per bid documents, contractors shall submit four sets of their proposal with at least one set bearing original signatures. Also, starting on page 11 are the "General Conditions and Instructions to Offerors", page 19- "Insurance Information" especially the section that covers "builder's risk" coverage requirements.

**At this time the pre-bid meeting concluded, and a site visit proceeded.**

18. **James Eppley stated at the site visit that there will be no trenching across any Taxiways or Taxilanes. Trenching will be allowed in the ground areas.**
19. Contractor asked the location of the watermain leading to the fire hydrant on the West side of the Taxilane N-S.  
**Response: Mr. Hamm stated that the existing watermain along Taxilane N-S is shown on the Utility Plan, Sheet C015.**
20. Contractor asked of the availability of area locates.  
**Response: Mr. Eppley stated that there are no locates available and that the chosen contractor will have to do their own locates. Mr. Eppley did state that there are recent project “as-builts” available to assist with this effort.**
21. One Contractor asked of the sod restoration requirements of the staging area.  
**Response: Mr. Hamm stated that the staging area shall be restored to its original condition at no expense to the owner.**
22. Contractor asked of the projects working hours.  
**Response: Mr. Eppley stated that work hours can be from 7:00 AM to 7:00 PM, and if needed Saturday may be used.**

**The following were questions submitted before the pre-bid meeting:**

23. “Is there an estimated or set budget for Bid No. 3090-18, Construction of Aircraft Wash Rack Facility?”  
**Response: Yes, there is an estimated budget which is \$300,000.00**
24. “Please advise if the grates on this job have to be aircraft rated.”  
**Response: Only S-6 in the middle of the concrete apron shall have an aircraft rated grate.**
25. “Drawing C013 Joint Details / Dowel notes refer to drilling into concrete & epoxy dowels. The dowel conditions appear to installed in new concrete which wouldn’t have this condition. Please advise where drilling is required.”  
**Response: Drilling will be not be required.**
26. “Drawing C013 Detail #8 Expansion Joint / Where does this condition occur.”  
**Response: Detail #8 Expansion Joint does not apply.**

27. "Drawing C013 Detail #7 shows Type A & Type B joints. Please identify where each of these joints occur."

**Response: Type B joints occur around the inlet structure within the concrete slab. Type A joints shall not apply.**

28. "Drawing C015 shows 6" pipe bollard protection @ RPZBFP device and also @ the hose reel. There is no bollard protection shown at the proposed lift station & holding tank locations. Is bollard protection going to be required for drive over protection of these areas?"

**Response: Four (4) – 6" bollards shall be provided around the grinder pump station. No bollards shall be required around the oil water separator.**

29. "There doesn't appear to be any bid item for the work shown on drawing C016 Conduit Plan. Please advise."

**Response: The conduit shown on Conduit Plan, C016 shall be paid for by Bid No. 48 Card Reader connection to administration building, (includes directional bore 2" conduit, trenching fiber (SMFOC), power conductors, NEMA 4X Enclosure and Media Converter).**

30. "Bid Item D-701-4 4 1/2" HDPE DR9 / There is no such product made, HDPE DR9 comes in 4" or 6" diameters."

**Response: Bid item D701-4 4 1/2 HDPE DR9 shall be removed from the bid form. The 6 lf of pipe from the oil water separator to the lift station shall be a 4-inch HDPE DR9.**

31. "Bid Item WF-1100-2 E ONE 2" Tapping Sleeve / E ONE doesn't make tapping sleeves. Please advise."

**Response: The contractor shall use a 2" tapping sleeve and shall be paid for by Bid Item WF-1100-2 E-One Tapping Sleeve, Resilient Gate Valve & Box 1 1/4" Check Valve or approved equal.**

32. "Bid Items 701-3 & 701-4 lists HDPE DR9 materials, in today market place it will be almost impossible to get DR9 pipe material in such a small quantity. The connecting pipe is 4" PVC C900, why can't the same material be used in lieu of the DR9 material?"

**Response: The contractor shall bid the project utilizing HDPE DR9 materials.**

33. "Will TV inspection be required on the installed 12" x 18" ERCP?"

**Response: TV inspection will not be required on the 12" x 18" ERCP**

**The following were questions submitted after the pre-bid meeting:**

34. "Crushed concrete base material specified and shown on sheet C014 details 1 & 2. Is this material to be FDOT certified material?"

**Response: The base material does not need to be FDOT certified material. The base material needs to meet the specifications as identified in the project manual.**

35. “Bid Item P-152-1 Unclassified Excavation 55 cy. Is this pay item for all of the earth work necessary to complete the project? Site stripping, site balance, site compaction, testing & finish grading.”

**Response: For P-152-1 Unclassified Excavation the basis of payment includes embankment in place and borrow material (payment shall be made incidental to “unclassified excavation” operations). The 55 CY unclassified excavation includes all earthwork necessary to complete the project. P-151 clearing and grubbing states that there shall be no measurement for payment of topsoil stripping. Payment for all topsoil stripping shall be included incidental to unclassified excavation.**

36. “Drawing C013:

Detail #5 Welded Wire Fabric / are we breaking the welded wire reinforcing over the doweled joints or running the fabric on thru these joints?

**Response: See Detail 4, Reinforced PCC Pavement Section that shows the welded wire reinforcing spacing from the joints (horizontally spacing). The dowels depth from the finished concrete surface is different than the depth of the welded wire fabric.**

Detail #7 adjacent to the storm inlet detail 7 shows both expansion joint material and also perimeter reinforcing steel, this condition won't work with both items. Please advise.

**Response: The contractor shall install the joint and reinforcing as shown as designed on the construction plans.**

Materials Schedule lists 1” expansion material to be used, the detail show  $\frac{3}{4}$ ” expansion material being used. Please advise

**Response: Detail #8 Expansion Joint does not apply.**

Saw Cut Joints / Details 3,6 & 9 detail contraction joint conditions, all with different depths of saw cutting. Please advise.”

**Response: It is the contractor's responsibility to sawcut at the required depths as shown the bid documents. Details 3 and 9 provide the same depths. Detail 6 if for the initial sawcut.**

37. “Pay Items P501-1 290 sy / Plan quantity is only 280.5 sy. Please advise where the additional sy is located on the project.”

**Response: The contractor shall be paid for the installed quantity of concrete as shown in the plans.**

**38. Are locks required for the electrical control panel?**

**Response: The E-ONE Grinder pump access lid and electrical control panel box shall have hard locks for safety. Two (2) keys for each hard lock shall be provided to the airport. All labor and materials for the hard locks and keys shall be included in the cost of WF-1100-1 E-One Grinder Pump Station.**

**39. Will there be a revised bid form?**

**Response: The bid form has been revised. The contractor shall use the Addendum #1 Bid Form Dated December 3, 2018.**

**The revisions on the bid form include the following:**

- a. Item 14 -D-701-3, 4" HDPE DR9 quantity has been revised to 16 lf.**
- b. Item 15 -D-701-4, 4 ½" HDPE DR9 quantity has been revised to 0 lf.**
- c. Item 29 – B-1300, Bollard quantity has been revised to 9 each.**

**40. Will there be electrical contractor requirements?**

**Response: The electrical contractor shall meet or exceed the criteria described below:**

- a. The electrical contractor shall be licensed in the State of Florida.**
- b. The electrical contractor shall have, in their employ, the following full time employees that will be assigned to perform the electrical work of this contract:**
  - i. A minimum of (1) Licensed Master Electrician who is overall responsible for the supervision of personnel performing the construction, installation startup and testing of all electrical related facilities and systems.**
  - ii. A minimum of (1) Licensed Journeyman Electrician responsible for the daily construction activities and guidance of the electrical contractor's on-site employees. The Licensed Journeyman's primary assignment will be the construction of the electrical facilities of this project until project completion. The Licensed Journeyman shall be certified in the County or shall meet the reciprocity standards of Florida State Statue 489 Part II.**
- c. The electrical contractor shall not be involved in any current or pending litigation which may have a material negative impact on the ability to complete the project. The electrical contractor shall provide a statement advising all current or pending litigations.**



Attachments:

1. Revised Electrical Riser & Schematics, Sheet E201.
2. Revised Bid Form (PDF and XLS)
3. Revised Utility Plan, Sheet C015

**Jon Mayes**  
**Procurement Department**

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Acknowledgment is requested even if you have elected not to respond to this bid. A designated management representative of your firm can sign the receipt for this addendum. Please acknowledge receipt of this addendum immediately by fax to (941) 486- 2790 or mail to the above noted address, if a fax is not possible.

Receipt Acknowledged:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company

Date: \_\_\_\_\_

**Note: This Addendum shall be included in the submitted proposal.**

**Required Forms List: ITB# 3090-18: Construction of Aircraft Wash Rack Facility**

**Page BF-i listings:**

- Bid Submittal Form (BF-1)
- “Sub-Contractors and Prime Contractors Work” & Acknowledgement of Addenda (BF-2)
- Bid Price Form (BF-3)
- Bid Form (BF-4 to BF-5)
- Contract Time and Liquidated Damages (BF-6)
- Prime Contractor Work (BF-7)
- Trench Safety Affidavit (BF-8)
- Safety Plan Compliance Document (SPCD) Certification (BF-9)

**Page RF-1 listings:**

- Proposal Bond (RF-3)
- “How Do I Determine” Local Preference (RF-4 to RF-5)
- Qualifications Statement (RF-6 to RF-7)
- Cooperative Procurement with Other Jurisdictions (RF-8)
- Form 3A- Interest in Competitive Bid for Public Business (RF-9)
- Indemnification/Hold Harmless (RF-10)
- FDEP & U.S. EPA Construction Notice of Intent (NOI) (RF-11 to RF-15)
- Statement of References for Contractor (RF-16)
- Contractor’s Statement of Sub-Contractors (RF-17)
- Drug Free Workplace Certification (RF-18)
- Non-Collusion Affidavit (RF-19)
- Public Entity Crime Information (RF-20)
- Conflict/Non-Conflict of Interest and Litigation Statement (RF-21)
- Certification Regarding Lobbying (RF-22)
- E-Verification Certification (RF-23)
- Prohibition of Segregated Facilities (RF-24)
- Payroll Signature Authorizations and DUNS Number (RF-25)
- Statement of Participation in Contracts Subject to Non-Discrimination (RF-26)
- Equal Employment Opportunity Certification (RF-27)
- Bidder Qualification Statement (RF-28 to RF-37)
- Statement of “No Bid” (if applicable)

**Forms must be returned with each firm’s proposal.**

**Mark “N/A” if not applicable to your firm.**



PURCHASING DEPARTMENT - CITY OF VENICE, FLORIDA  
 PRE-BID MEETING- ATTENDANCE SHEET  
 ITB # 3090-18: CONSTRUCTION of AIRCRAFT  
 WASH RACK FACILITY  
 MEETING: NOVEMBER 30, 2018 AT 10:00 AM

Please print for all columns:

#	Representative	Firm Name	Phone #	E-mail
1	Gregg Hamm	American Infrastructure Development, Inc.	813- 374-2200	<a href="mailto:g Hamm@aidinc.us">g Hamm@aidinc.us</a>
2	Hondo Sonquist	Spectrum Underground	941-342-6703	<a href="mailto:hsunquistsr@spectrumunderground.com">hsunquistsr@spectrumunderground.com</a>
3	Mitchell Tourino	Quality Enterprises	239-435-7200	<a href="mailto:mtourino@qeusa.com">mtourino@qeusa.com</a>
4	A.J. Ribas	A2 Group, Inc.	941-206-2288	<a href="mailto:ribasaj@a2group.com">ribasaj@a2group.com</a>
5	Jon Mayes	City of Venice- Purchasing	941-882-7423	<a href="mailto:jmayes@venicegov.com">jmayes@venicegov.com</a>
6	Jim Eppley	Airport Operations	941-961-2777	<a href="mailto:jeppley@flyvnc.com">jeppley@flyvnc.com</a>
7	Scott Weber	Jam 520 Construction	727-288-2191	<a href="mailto:scott@jam520inc.com">scott@jam520inc.com</a>
8	Kevin Groner	D.L. Porter Constructors	941-929-9400	<a href="mailto:kevin@dlporter.com">kevin@dlporter.com</a>
9	Jake Kuxhausen	David Kuxhausen	941-536-3871	<a href="mailto:jakekuxhausen@yahoo.com">jakekuxhausen@yahoo.com</a>
10	Ross Russo	Jon F Swift Construction	941-951-6100	<a href="mailto:ross@jonfswiftinc.com">ross@jonfswiftinc.com</a>

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#	Representative	Firm Name	Phone #	E-mail
11	Marta Ugas-Carpenter	VNC	941-486-2711	<a href="mailto:mugascarpenter@flyvnc.com">mugascarpenter@flyvnc.com</a>
12	Wendy Keller	VNC	941-486-2711	<a href="mailto:wkeller@flyvnc.com">wkeller@flyvnc.com</a>
13	Mark Gatz	Bay Area Electric	941-921-9067	<a href="mailto:mark@bayareaelectricfl.com">mark@bayareaelectricfl.com</a>
14	Robert D. Wade	R.W. Electrical	813-770-8660	<a href="mailto:rdwelectric@gmail.com">rdwelectric@gmail.com</a>
15	Dave Dale	Owen-Ames-Kimball	239-561-4141	<a href="mailto:ddale@oakfl.com">ddale@oakfl.com</a>
16	Mark Cervasio	VNC	941-486-2711	<a href="mailto:mcervasio@flyvnc.com">mcervasio@flyvnc.com</a>

**BID FORM**  
**CONSTRUCTION OF AIRCRAFT WASH RACK FACILITY**  
**VENICE MUNICIPAL AIRPORT, VENICE FL**

ITB Number : 3090-18

**Base Bid**

Bid No.	Pay Item No.	Description	Estimated Quantity	Unit	Unit Price	Total Cost
1	P-100-1	Mobilization	1	LS		
2	P-102-1	Safety, Security and Maintenance of Airfield Operations	1	LS		
3	P-152-1	Unclassified Excavation	55	CY		
4	P-156-1	Silt Fence	340	LF		
5	P-219-1	(4") Recycled Concrete Aggregate Base Course	320	SY		
6	P-219-2	(6") Recycled Concrete Aggregate Base Course	380	SY		
7	P-403-1	(3") Bituminous Surface Course	60	TN		
8	P-501-1	(6") Portland Cement Concrete Pavement	290	SY		
9	P-602-1	Bituminous Prime Coat	55	GAL		
10	P-620-1	Yellow Reflective Runway and Taxiway Marking (100% Application, Type III Beads)	260	SF		
11	P-620-2	Black Non-Reflective Marking Outlines	680	SF		
12	D-701-1	12" x 18" Elliptical Reinforced Concrete Pipe (Class V)	185	LF		
13	D-701-2	4" PVC C900	36	LF		
14	D-701-3	4" HDPE DR9	16	LF		
15	D-701-4	4½" HDPE DR9	0	LF		
16	D-751-1	Type C Inlet	2	EA		
17	D-751-2	Type 8 Manhole	2	EA		
18	D-751-3	Mitered End Section	1	EA		
19	D-751-4	2' x 2' Utility Box	1	EA		
20	D-751-5	4' x 4' Utility Box	1	EA		
21	D-751-6	Type F Inlet	1	EA		
22	T-904-1	Sodding	1,500	SY		
23	X-1000-1	XERXES 4 foot diameter 1,000 gallon double wall oil/water separator or approved equal	1	EA		
24	WF-1100-1	E-ONE Grinder Pump Station (Model WH472-77, with hard wired level controls) or approved equal	1	LS		
25	WF-1100-2	E-ONE 2" Tapping Sleeve, Resilient Gate Valve & Box, 1 1/4" Check Valve or approved equal	1	EA		
26	R-1200-1	Ground mounted hose reel (Reelcraft Heavy Duty Dual Pedestal Hose Reel, Part Number D83000 OLP) or approved equal	1	EA		
27	R-1200-2	10' hose assembly (Reelcraft Part Number S601034-10, ¾ inch by 10 feet in length) or approved equal	1	EA		
28	R-1200-3	75 foot hose (Reelcraft Part Number S601026-75, ¾ inch by 75 feet in length) or approved equal	1	EA		
29	B-1300-1	Bollard	9	EA		
30	W-1400-1	8 inch by 2 inch Tapping Saddle and 2 inch Valve	1	EA		
31	W-1400-2	¾ inch hose bib	1	EA		

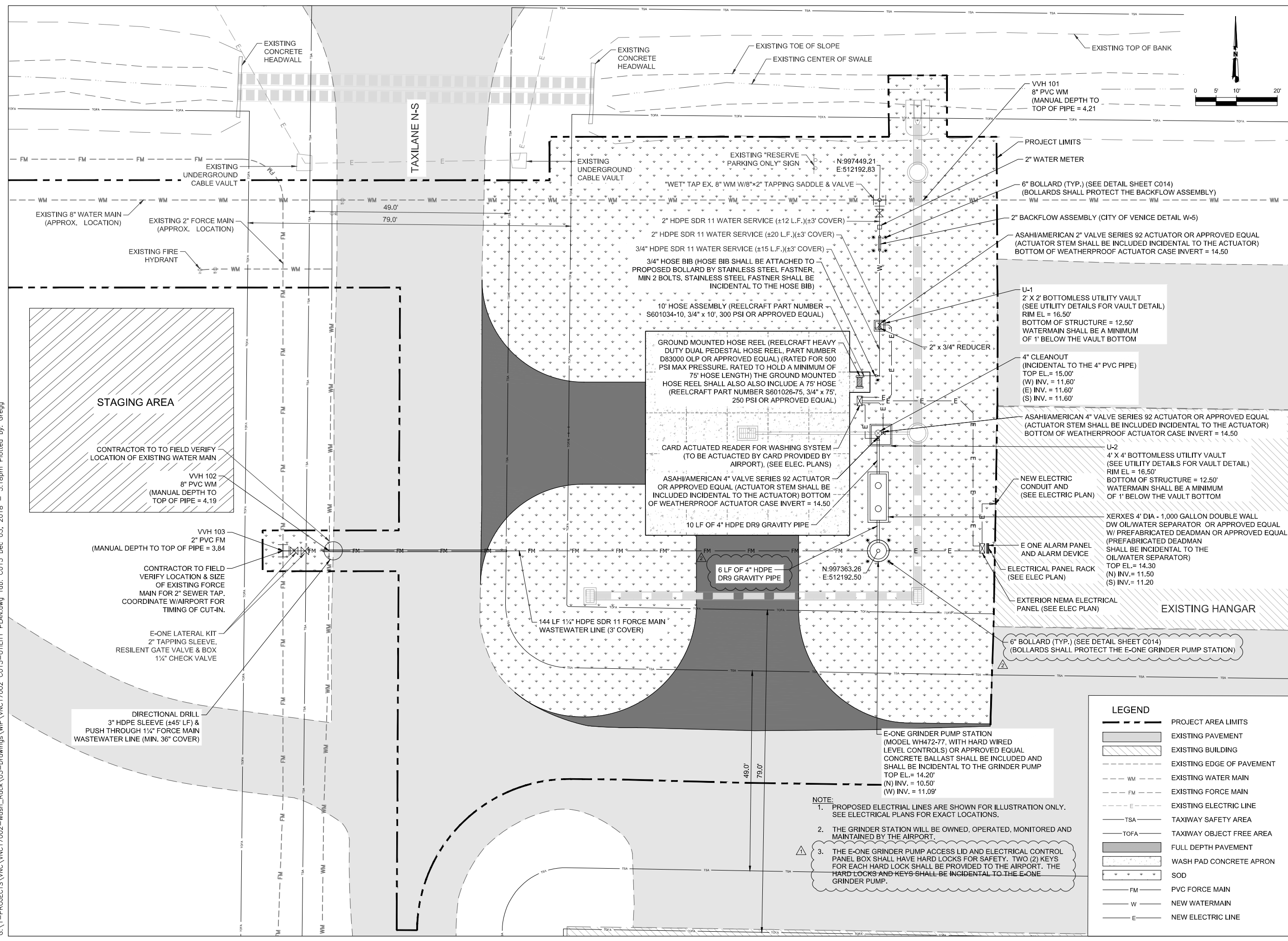
**BID FORM**  
**CONSTRUCTION OF AIRCRAFT WASH RACK FACILITY**  
**VENICE MUNICIPAL AIRPORT, VENICE FL**

ITB Number : 3090-18

**Base Bid**

Bid No.	Pay Item No.	Description	Estimated Quantity	Unit	Unit Price	Total Cost
32	W-1400-3	2 inch by ¾ inch reducer	1	EA		
33	W-1400-4	¾ inch HDPE SDR 11 water line	15	LF		
34	W-1400-5	2 inch HDPE SDR 11 water line	32	LF		
35	W-1400-6	2 inch Backflow Assembly	1	EA		
36	W-1400-7	2 inch ASAHI/American Electrical Valve Series 92 Actuator and actuator stem or approved equal	1	EA		
37	W-1400-8	4 inch ASAHI/American Electrical Valve Series 92 Actuator and actuator stem or approved equal	2	EA		
38	W-1400-9	1 ¼ inch HDPE SDR 11 force main	144	LF		
39	W-1400-10	3 inch SDR 11 forcemain sleeve by directional drill	45	LF		
40	16050-5.1	#12 XHHW, 600V, XHHW, installed in new conduit, complete in place	2,900	LF		
41	16050-5.2	#10 XHHW, 600V, XHHW, installed in new conduit, complete in place	1,750	LF		
42	16050-5.3	One 3/4" schedule 40 PVC conduit direct buried in earth complete in place	220	LF		
43	16050-5.4	One 1" schedule 40 PVC conduit direct buried in earth complete in place	40	LF		
44	16050-5.5	One 3/4" hot dipped rigid galvanized steel conduit surfaced mounted, complete in place	960	LF		
45	16050-5.6	New Washrack Control Pedestal, complete in place	1	EA		
46	16050-5.7	New Pump Station Control/Alarm Pedestal, complete in place	1	EA		
47	16050-5.8	Modify existing Hangar Panel, complete in place	1	EA		
48		Card Reader connection to administration building, (Includes directional bore 2" conduit, trenching, fiber (SMFOC), power conductors, NEMA 4X Enclosure and Media Converter)	1	LS		
<b>Total Contract Bid Amount</b>						<b>\$ -</b>

Revision Schedule		
No.	Description	Date
1	FDEP REVISIONS	11/07/2018
2	ADDENDUM #1	12/03/2018



G:\1-PROJECTS\VENICE\Drawings\WIP\C015-UTILITY PLAN.dwg Tab: C015 Dec 03, 2018 - 5:18pm Plotted by: Gregg

**AD**  
**AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.**  
 TRANSPORTATION CONSULTING

3810 NORTHDAL BLVD.  
 STE. 170  
 TAMPA, FL 33624  
 OFFICE: 813-374-2200

FLORIDA CERT. OF AUTHORIZATION 28731

ENGINEER OF RECORD

GREGG B. HAMM  
 FL. P.E. # 69760

JOB NO: VNC17002  
 DRAWN: YZY  
 DESIGN: GBH  
 CHECKED: MCJ  
 ISSUE: BID SET  
 DATE: NOVEMBER 9, 2018

# AIRCRAFT WASH RACK FACILITY

## UTILITY PLAN

SHEET NUMBER

# C015

LEGEND	
	PROJECT AREA LIMITS
	EXISTING PAVEMENT
	EXISTING BUILDING
	EXISTING EDGE OF PAVEMENT
	EXISTING WATER MAIN
	EXISTING FORCE MAIN
	EXISTING ELECTRIC LINE
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
	FULL DEPTH PAVEMENT
	WASH PAD CONCRETE APRON
	SOD
	PVC FORCE MAIN
	NEW WATERMAIN
	NEW ELECTRIC LINE

**NOTE:**

- PROPOSED ELECTRICAL LINES ARE SHOWN FOR ILLUSTRATION ONLY. SEE ELECTRICAL PLANS FOR EXACT LOCATIONS.
- THE GRINDER STATION WILL BE OWNED, OPERATED, MONITORED AND MAINTAINED BY THE AIRPORT.
- THE E-ONE GRINDER PUMP ACCESS LID AND ELECTRICAL CONTROL PANEL BOX SHALL HAVE HARD LOCKS FOR SAFETY. TWO (2) KEYS FOR EACH HARD LOCK SHALL BE PROVIDED TO THE AIRPORT. THE HARD LOCKS AND KEYS SHALL BE INCIDENTAL TO THE E-ONE GRINDER PUMP.

