



**Date:** October 12, 2018

**Project:** Ketchikan Shipyard Medium Voltage Loop

**Solicitation No.:** 19014

**Addendum No. Two**

TO ALL PLANHOLDERS:

The enclosed addendum amends the bid documents for the above referenced Project.

Acknowledgment of this addendum is required on the Proposal Form. Failure to do so may subject the bidder to disqualification.

Sincerely,

A handwritten signature in blue ink, appearing to read "Lois Lemus", is written over a long, thin blue horizontal line that extends to the right.

Lois Lemus

Contracting Officer

ADDENDUM TO CONTRACT DOCUMENTS	Page Number 1	No. of Pages 4
<b>Addendum No.</b> TWO	<b>Date Addendum Issued:</b> October 12, 2018	
<b>Issuing Office</b> Lois Lemus Alaska Industrial Development & Export Authority 813 W Northern Lights Blvd Anchorage, AK 99503 Phone: (907) 771-3990 Fax: (907) 771-3044	<b>Previous Addenda Issued</b>  Addendum #1, dated October 4, 2018	
<b>Project:</b> Ketchikan Shipyard Medium Voltage Loop <b>Solicitation No.:</b> 19014	<b>Date and Hour Bids Due:</b> October 19, 2018 at 2:00 p.m., prevailing Anchorage, Alaska time.	

**NOTICE TO BIDDERS:**

**Bidders must acknowledge receipt of this addendum prior to the hour and date set for the bid due date by one of the following methods:**

- (a) By acknowledging receipt of this addendum on the proposal form submitted.
- (b) By email or telefacsimile which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by email or telefacsimile provided such an email or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.  
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The Bid documents for the above project are amended as follows (All other terms and conditions remain unchanged):

**GENERAL – QUESTIONS & ANSWERS**

- 1) **Q:** Please clarify if AIDEA intends to evaluate the bid price as the base bid plus all four alternates, if only the base bid will be evaluated as the bid price, or if the bid price will be evaluated cumulatively by adding base plus alt 1, plus alt 2, etc.  
**A:** Please reference 00 32 00 – Bid Schedule. It states “Contract award shall be made on the basis of the total Base Bid plus additive alternates as selected by AIDEA. If Bid Alternates are included in the Bid Documents, then AIDEA reserves the right to award some, none, or all of the alternates. Alternates may be awarded in any order in the best interest of the AIDEA.”
  
- 2) **Q:** It appears there is a conflict between sheet E2.0 note #2 and sheet E3.0 note #1 with equipment required in the base bid. Please clarify which equipment is required to be included in the base bid.  
**A:** The base bid includes the installation of the new utility service; fencing around the new electrical yard; installation of CB-1, UMC-1, P1, S3, EMH 6, P5, P6 and associated wiring.
  
- 3) **Q:** Section 01 51 00; 1.17 Pre-Construction Property and Structure Assessments: Please advise if this requirement is applicable  
**A:** Remove paragraph 1.17 Pre-Construction Property and Structure Assessment in it’s entirety; see item number 29.
  
- 4) **Q:** Is there a prohibition to the QC Manager being a lineman General Foreman /Supervisor?  
**A:** There is not a prohibition to have a QC Manager as lineman General Foreman/Supervisor.
  
- 5) **Q:** Would AIDEA consider removal of the P6 scheduling requirement and substitute MS Project CPM scheduling for this project as the duration is less than one year and the project complexity is relatively minimal?  
**A:** AIDEA is acceptable to substituting MS Project CPM scheduling for this project.

- 6) **Q:** Section 01 29 76; 1.08, items 6 and 11: Please advise if these requirements are still applicable, as they are not referenced as required elsewhere in specifications.  
**A:** AIDEA will handle the building permit. Freeze Protection Plan not applicable.
- 7) **Q:** Is there any requirement for racking or fire-taping of vaults?  
**A:** Refer to specification section 260513:3.1.
- 8) **Q:** Please specify what make and model of the waterproof power distribution block is needed, as provided on drawings E4.3, E4.4, and E4.5.  
**A:** Waterproof power make and model that complies with specification section 260519:2.2 and exceeds the ampacity of the upstream feeder circuit breaker is acceptable.
- 9) **Q:** Please provide what location that the waterproof power distribution blocks are to be installed.  
**A:** Waterproof power distribution blocks are located in the handholes directly below each of the shore power stations #1, #2, #3, #4, #5, #6, #7, and #8.
- 10) **Q:** Provide lengths of cable/conduit from the power distribution blocks to the existing disconnects and panels OR from the locations of the existing disconnects and panels.  
**A:** The dimensions of the shore power stations are approximately 6'X6'. The existing disconnects and panels are located within the shore power stations, directly above the handholes containing the waterproof power distribution blocks.
- 11) **Q:** On drawing E4.3 detail 2, what is the make and model required of the 125A/3p breaker that is being installed within the panelboard. (Note 1)  
**A:** The existing panelboard is an Eaton PRL2a.
- 12) **Q:** Are there detail drawings for the pad mounted switches, circuit breaker, and utility metering equipment similar to detail 6/E5.0 for pad mount transformers? If so, please provide.  
**A:** No additional details are available, refer to 3/E5.0, S0.0 and S5.2.
- 13) **Q:** Please provide a detail for the SB-1 weather shelter including construction material (metal, wood, etc..).  
**A:** Refer to specification section 262413 and drawing S0.0.
- 14) **Q:** Please provide the locations of the 480:120/240V 1ph 15kVA transformer and switchboard lighting panel as shown in E4.0 detail 1.  
**A:** Within the SB-1 weather shelter.
- 15) **Q:** Please provide the conduit and wire size for the 480:120/240V 15 kVA transformer and switchboard lighting panel as shown in E4.0 detail 1.  
**A:** Primary: 2#10 AWG, 1#10 gnd, 3/4" conduit. Secondary: 3#4 AWG, 1#10 gnd, 3/4" conduit.
- 16) **Q:** Please provide detail for power (receptacles) and lighting within the SB-1 weather shelter.  
**A:** Provide (1) interior and (1) exterior NEMA 5-20R receptacle. Provide sufficient LED lighting to maintain a minimum of 30 fc at floor level.
- 17) **Q:** Please provide panel schedule for weather shelter lighting panel.  
**A:** The contractor is to provide the panel schedule as part of their shop drawings.
- 18) **Q:** Please provide the type of panelboards that service the SPS #1, 3, 4, 5, and 7 that will have new back-fed main breakers.  
**A:** Eaton PRL2a type of panelboards.

- 19) **Q:** Please provide a detail or specification for the finish surface of the electrical equipment yard.  
**A:** Regrade surface as required to provide positive drainage away from electrical equipment and structures.
- 20) **Q:** Is there any intention of reusing existing fence for the electrical equipment yard OR is the intent to build new fencing on all sides?  
**A:** The intent is to build new fencing on all sides.
- 21) **Q:** Can Vigor ship out transformer oil once the contractor has removed and tested it at no cost to the Contractor?  
**A:** The contractor will be responsible for transformer oil removal and disposal off site in an approved manner
- 22) **Q:** Are the existing primary cable terminations at transformers P3 and P4 loadbreak elbows or deadbreak elbows?  
**A:** The existing primary cable terminations at transformers P3 and P4 are loadbreak elbows.
- 23) **Q:** What type of terminations are needed for terminating the primary cable on existing switch RVAC-5? Are they bolt-on, loadbreak elbow, or deadbreak elbow?  
**A:** The contractor will need to field verify the type of terminations that are needed for terminating the primary cable on existing switch RVAV-5. AIDEA assumes the RVAC-5 is loadbreak.
- 24) **Q:** What are the conduit sizes of the existing primary runs between EMH-1 and transformer #1, and between RVAC-7 and RVAC 5? (The conduits that we need to modify per sheet note 8 on Sheet E2.2.)  
**A:** 3" conduit size
- 25) **Q:** Is the Contractor required to retire the existing KPU 35 kV riser pole 1114-C5-3 and tap?  
**A:** The Contractor is required to retire the existing KPU 35kV riser pole 1114-C5-3 and tap.
- 26) **Q:** Can other primary copper conductors be substituted if the conductor meets the ampacity requirements of the project? If so, please state the ampacity requirements are for the primary system?  
**A:** Substitutes are acceptable if they meet the requirements of specification section 260513, minimum ampacity requirement of 200A and do not exceed maximum allowable conduit fill.
- 27) **Q:** Are there any known contaminated materials on site. that the Contractor is responsible to remediate, including PCB's?  
**A:** No known contaminated materials on-site.
- 28) **Q:** What specific tests are required on the medium voltage cable? Is the requirement to perform VLF or DC-Hi-Pot testing and for what duration?  
**A:** Refer to specification section 260513:3.2.

## **CONTRACT PROVISIONS AND SPECIFICATIONS**

- 29) **Delete in its entirety**, Reference 01 51 00 - Construction Facilities – 1.17 Pre-construction property and structure assessments:

**END OF ADDENDUM**