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,

[Signature]

Jake Tibbe
Contracting Officer
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.

The Bid documents for the above project are amended as follows (All other terms and conditions remain unchanged):

GENERAL – QUESTIONS & ANSWERS

1) Q: Who will get permits?
   A: AIDEA will obtain the City building permits. City covers FP review, so no AK State Fire marshal permit required.

2) Q: Electrical Specifications - Can NETA substitute for NICET certification for Cable inspections
   A: These requirements have been reduced. See Question 40 and 41.

3) Q: Can more time be added to Bid date as equipment quotes delayed?
   A: Yes, a Notice to Bidders was issued October 1st that modified the bid opening date.

4) Q: 5/E5.0 Can plastic covered steel bollards be used?
   A: Plastic covered steel bollard are an acceptable substitution to painted steel bollard

5) Q: Based on site visit is EMH7 existing?
   A: No. See attached revised drawings.

6) Q: Confirm that note #10 on sheet E0.0 applies to both low and medium voltage conduit.
   A: Confirmed.

7) Q: Are journeyman linemen exempt from the training requirements of 26 05 13 1.6 A?
   A: No.

8) Q: SOW 01 11 13 is back up power required to be on-site if Contractor can perform work to always provide required power to ships and other facility loads at all times?
   A: No

9) Q: 26 05 13 Specification vs Sheet E3.0 - Is 100% or 133% insulation required on 35 kV cables?
   A: 100%.
10) **Q:** Can 133% insulation 15 kV cable be substituted for the specified 100% insulation cable?
   **A:** 133% insulation is acceptable only where it can be installed without violating NEC maximum allowed conduit fill.

11) **Q:** Can #4/0 AWG cable be substituted for the specified #3/0 cable?
    **A:** #4/0 is acceptable only where it can be installed without violating NEC maximum allowed conduit fill.

12) **Q:** Is note #3 on sheet E0.0 is applicable to all electrical equipment and materials installed under this contract?
    **A:** It is applicable to all electrical equipment and materials subject to NEC requirements, which includes everything owned by KSY. Refer to ownership demarcation line shown on medium voltage one-line diagrams.

13) **Q:** Confirm that note #10 on sheet E0.0 applies to both low and medium voltage conduit.
    **A:** Confirmed.

14) **Q:** E3.0 Are switches S-3 and S-4 three-way or four-way?
    **A:** Three-way, minimum. Four-way is also acceptable.

15) **Q:** What is the minimum short circuit rating for SB-1?
    **A:** 50 kA, minimum.

16) **Q:** Where is the existing main switchboard located?
    **A:** The northwest corner of the existing main switchgear building shown on E2.2.

17) **Q:** Where is Rack B fed from?
    **A:** The bussed gutter at Rack A.

18) **Q:** Can irreversible crimped connections be substituted for exothermically welded connections in all locations?
    **A:** Yes.

19) **Q:** Who is responsible for utility locates?
    **A:** The contractor.

20) **Q:** Who proofs conduits and if they fail, what is the plan?
    **A:** The Contractor. Refer to specification section 260500-3.4(B).

21) **Q:** E3.0 34.5 is on top of pole. Existing pole will need to be modified for new arrangement. Is this contractor scope or KPU. Current is alley arm and would require tree removal.
    **A:** For bidding purposes Contractor shall assume they will modify pole as required to match detail provided. Assume trees shall be removed by others. Contractor coordination with KPU as required. Assume No impact to 15 kV. KPU has been contacted about possibly a different modification which will be resolved after the bid if required. (Photo attached)

22) **Q:** Dewatering in vaults is required?
A: Yes, the Contractor is required to dewater. Typically only rain water and free of oil and debris. Oil sobs and then disposal to storm water should be acceptable.

23) Q: Can you provide photos of the vaults?
   A: They are attached, description is as follows:
   - Photos 3884 and 3885 are the electrical one directly east of the paint/blast booth East of P7.
   - Photos 3886 & 3887 (Handhole) electrical on the north east corner of machine shop feed to P6
   - Photo 3889 EHM 2, electrical in the roadway NE corner of machine shop
   - Photo 3890 EMH 5
   - Photo 3891 & 3892 Comm’s vault adjacent to EMH 5
   - Photo 3894 Conn’s vault adjacent to “E” vault at the NE corner against Tongass ave.
   - Photos 3896 &3896 “E” vault at the NE corner against Tongass ave. (Note, this is the vault with power feeder to KPU Maintenance Building)

24) Q: Does this project require builders risk insurance?
   A: No, that requirement has been removed, please see below.

25) Q: Can you provide the pre-bid sign in sheet?
   A: It is attached.

26) Q: Can you state the DBE requirements?
   A: None.

27) Q: What percentage General Contractor participation is required?
   A: 30%

28) Q: Is there a cutoff date for questions from the contractors?
   A: Yes; 72 hours before the bid due date.

29) Q: Is an independent testing agency required?
   A: No; provided that documentation for journeymen lineman with 3 to 5 years of documented experience in Medium voltage (MV) cable and equipment installation and testing would be acceptable. This is also stated in section 00 10 00, Information to Bidders, Bidders Qualifications, A. Minimum Qualifications, 2. Cable testing, a).

30) Q: Is there a footage of replacement conduit so all our pricing is the same?
    A: Refer to the drawings for replacement lengths.

31) Q: Is it the intent that if the existing conduits cannot be proofed, that there would be a change order to the contract?
    A: Yes.

32) Q: Where did the as-built for the existing sub-grade conduits originate?
    A: From previous project plans at this same site

33) Q: Is the 811 locate contractor available to locate on AIDEA property?
    A: The 811 contractor has not been locating in the shipyard.

34) Q: Is there any safety coordination required?
    A: A 1-hour safety briefing is required on site for all contractor personnel; follow all Vigor Personal
Protective Equipment requirements. See Section 01 11 13 Summary of Work.

35) Q: Where is disruption of power addressed?  
   A: Section 01 11 13, Part 1, 1.07 A, B & C.

36) Q: Is there a coordination study available?  
   A: Coffman to coordinate with KPU to answer this question (see 20 above).

37) Q: Is there a lay down area in the shipyard?  
   A: Yes; at the NE corner of the site near the new subsection site.

38) Q: Is the site secure?  
   A: The perimeter of the shipyards is fenced, and we have a roving security patrol. The contractor is responsible for his own security for materials and equipment until the project is accepted by the owner.

39) Q: What are the allowed contractor working hours and days?  
   A: 24/7 and all days of the week.

BIDDING AND CONTRACT REQUIREMENTS

40) Reference 00 10 00 – 1. Cable Technician:  
    Delete a and b in its entirety:  
    “a) Three to five years experience in cable testing and be a journeyman lineman

41) Reference 00 10 00 – 2. Cable Testing:  
    Delete a-g and 1) in its entirety and replace with the following:  
    “a) Three to five years experience in cable testing and be a journeyman lineman

42) Addendum 1, Exhibit 1 – A close-up of sheet E2.0 Switchyard that shows the Ketchikan Public Utility 12.47kV service vault. The 4’ Personnel Gate shown on the east side of the switchyard shall be installed on the west side of the switchyard per the note.

43) Add the following to Section 00 80 00 Supplementary conditions:

SC-5.4.2d – Builder’s Risk Insurance:  
At General Condition Article 5.4.2d, delete paragraph “d” in its entirety.

SC-7.2 PERMITS, LICENSES, AND TAXES

In paragraph 7.2.1, delete this paragraph and replace with the following paragraph:

“7.2.1 The terms, conditions and stipulations in permits obtained either by the AUTHORITY or by the CONTRACTOR are made part of this Contract.
   a. Obtained Permits:
      1. The Authority will initiate and pay the application fees for permits from the Authority Having Jurisdiction
   
      b. The Contractor shall procure all other permits and licenses, and amend or otherwise modify
existing permits, as required to complete the project, pay all charges, fees and taxes, and
give all notices necessary and incidental to the due and lawful prosecution of the Work.

c. As a condition of performance of this Contract, the CONTRACTOR shall pay all federal,
state and local taxes incurred by the CONTRACTOR, in the performance of this Contract.
Proof of payment of these taxes is a condition precedent to final payment by the
AUTHORITY under this Contract.”

PLANS/DRAWINGS

44) Sheet E0.0: Remove and replace with attached Sheet E0.0
45) Sheet E2.2: Remove and replace with attached Sheet E2.2
46) Sheet E2.3: Remove and replace with attached Sheet E2.3
47) Sheet E3.0: Remove and replace with attached Sheet E3.0
48) Sheet E3.0D: Remove and replace with attached Sheet E3.0D
49) Sheet E3.1: Remove and replace with attached Sheet E3.1
50) Sheet E3.1D: Remove and replace with attached Sheet E3.1D
51) Sheet E3.2: Remove and replace with attached Sheet E3.2
52) Sheet E3.2D: Remove and replace with attached Sheet E3.2D
53) Sheet E3.3: Remove and replace with attached Sheet E3.3
54) Sheet E3.3: Remove and replace with attached Sheet E3.3D

END OF ADDENDUM
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<tr>
<th>Name</th>
<th>Signature</th>
<th>Company</th>
<th>Email</th>
<th>Would you like to be added to the Planholders list?</th>
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</table>

**Via Phone**

- Eric C.
- Ben C.
- William P.
- Mike T.
- Aaron H.
- Greg H.
- Gary Kuhn
- Matt Y.
KPU would like to have, or be able to add later, an access gate from City Public Works side

12.47kV distribution to City Public Works facility runs through this vault

INSTALL 12.47kV WIRING IN EXISTING CONDUITS. CONTINUES ON E2.1.
Register Professional Engineer
Oct 02, 2018
No. EE12048
LOGAN R. HAINES

Sheet Notes:
1. This sheet depicts work included in the base bid, additive alternate #1, and additive alternate #2.
2. The base bid includes the installation of 12.47kV wiring between EMH 3 and EMH 7, and EMH 2. The base bid also includes the installation of 12.47kV wiring between EMH 3 and EMH 2 and the hand hole near the machine shop. The base bid also includes the installation of 12.47kV wiring between EMH 3 and EMH 7. See one-line diagram on sheet E3.2 for more information.
3. Additive alternate #1 includes the installation of P8 and associated wiring. See one-line diagram on sheet E3.1 for more information.
4. Additive alternate #2 includes the installation of P7 and associated wiring. 12.47kV wiring between P7 and P4; between P3 and P4; and between P3 and EMH 7. See one-line diagram on sheet E3.2 for more information.
5. Contractor shall locate existing underground utilities prior to excavation.

- Install 12.47kV wiring in existing conduit (base bid and alt. #2)
- Install 12.47kV wiring in existing conduit (alt. #1 and #2)
- See 5/E5.0 for details on new 480V wiring.
- Install new 480V wiring to existing switchboard.
- Install new medium voltage cables in existing conduit.
- New 480V wiring to existing switchboard.
- Install 5/E5.0 for details on new 480V wiring.
SHEET NOTES:

1. ALL DEMOLITION WORK SHOWN ON THIS SHEET IS INCLUDED IN ADDITIVE ALTERNATIVE #2.
2. REMOVE 12.47KV WIRING BETWEEN TRANSFORMER P3 AND P4. CONDUIT IS TO REMAIN FOR REUSE.
3. REMOVE 12.47KV WIRING BETWEEN TRANSFORMER P3 AND SWITCH S1. CONDUIT IS TO REMAIN FOR REUSE.
4. REMOVE WIRING BETWEEN MAIN DISTRIBUTION SWITCHBOARD AND AIR COMPRESSOR BUILDING SWITCHBOARD. CONDUIT IS TO REMAIN FOR REUSE.
5. REMOVE WIRING BETWEEN MAIN DISTRIBUTION SWITCHBOARD AND 300A ENCLOSED CIRCUIT BREAKER FOR THE SMALLER AIR COMPRESSOR LOCATED IN THE AIR COMPRESSOR BUILDING. CONDUIT IS TO REMAIN FOR REUSE.

CONDUIT IS TO BE REMOVED FROM TRANSFORMER P3 TO AIR COMPRESSOR BUILDING SWITCHBOARD. CONDUIT IS TO REMAIN FOR REUSE.

CONDUIT IS TO BE REMOVED FROM TRANSFORMER P3 TO BILGE 85KV, 9.0% Z, 600A, 20KV TYPE, TRANSFORMER #1 DRY DOCK.

CONDUIT IS TO BE REMOVED FROM TRANSFORMER P3 TO P4. WIRING BETWEEN TRANSFORMER P3 AND P4.


SHEET NOTES:

1. REMOVE 12.47KV WIRING BETWEEN TRANSFORMER P3 AND P4. CONDUIT IS TO REMAIN FOR REUSE.
2. REMOVE 12.47KV WIRING BETWEEN TRANSFORMER P3 AND SWITCH S1. CONDUIT IS TO REMAIN FOR REUSE.
3. REMOVE WIRING BETWEEN MAIN DISTRIBUTION SWITCHBOARD AND AIR COMPRESSOR BUILDING SWITCHBOARD. CONDUIT IS TO REMAIN FOR REUSE.
4. REMOVE WIRING BETWEEN MAIN DISTRIBUTION SWITCHBOARD AND 300A ENCLOSED CIRCUIT BREAKER FOR THE SMALLER AIR COMPRESSOR LOCATED IN THE AIR COMPRESSOR BUILDING. CONDUIT IS TO REMAIN FOR REUSE.
5. REMOVE WIRING BETWEEN MAIN DISTRIBUTION SWITCHBOARD AND 300A ENCLOSED CIRCUIT BREAKER FOR THE SMALLER AIR COMPRESSOR LOCATED IN THE AIR COMPRESSOR BUILDING. CONDUIT IS TO REMAIN FOR REUSE.