



ALASKA ENERGY AUTHORITY

Date: October 12, 2018

Project: Twin Hills Power System Upgrade

Solicitation No.: 19023

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,

Lois Lemus
Contracting Officer

ADDENDUM TO CONTRACT DOCUMENTS	Page Number 1	No. of Pages 2
Addendum No. Two	Date Addendum Issued: October 12, 2018	
Issuing Office Lois Lemus Alaska Energy Authority 813 W Northern Lights Blvd Anchorage, AK 99503 Phone: (907) 771-3990 Fax: (907) 771-3044	Previous Addenda Issued Addendum #1, dated October 8, 2018	
Project: Twin Hills Power System Upgrade Solicitation No.: 19023	Date and Hour Bids Due: October 25, 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 fax 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 fax provided such an email or fax 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):

CONTRACT PROVISIONS AND SPECIFICATIONS

- 1) **Bid Date Extension:** Bids will now be received until 2:00 PM local time on October 25, 2018.
- 2) **Change:** Replace bid schedule with attached revised bid schedule with Attachment #1.
- 3) **Change:** Replace Contractor’s Questionnaire with Attachment #2.
- 4) **Change:** Replace Section 01 10 00 SUMMARY OF WORK with the Attachment #3.

GENERAL – QUESTIONS & ANSWERS

5) **Q:** Please confirm whether it is acceptable to splice the H-piles.

A: It is acceptable to have up to 1 splice per H-pile. Splices shall be full penetration but welds. All welding must be completed by welders with current certifications for performing the work (Contractor shall submit welding certifications and receive approval prior to mobilizing welders to the site. See Section 01 12 60). Contractor shall provide 3rd party nondestructive weld inspection for all pile welds and all inspection reports shall be submitted to the Engineer. All pile splices must reside a minimum of 8 feet below the ground surface at the conclusion of driving efforts.

6) **Q:** Is a geotechnical report available for the project?

A: Yes, the geotechnical report is attached as Attachment #4.

7) **Q:** Please clarify whether construction of the intertie can occur in the summer (when the ground is not frozen).

A: Construction of the intertie may occur at any time during the contract period as long as the following conditions are met:

- Ground is frozen sufficiently to allow use of contractor's proposed equipment with minimal impact to the ground surface, or
- If the ground is not frozen the contractor shall take active measures to minimize ground disturbance during construction including the use of low ground pressure equipment, minimizing turning maneuvers, utilizing construction mats at key locations to reduce damage from turning equipment, and minimizing repetitive trips over sensitive ground. The contractor shall also be responsible for determining whether an ADEC Storm Water Pollution Prevention Plan is required as well as preparing, submitting and implementing the plan.

END OF ADDENDUM

**AMENDMENT #2
 BID SCHEDULE ATTACHMENT #1**

Twin Hills Power System Upgrade

Project No. 19023

Bidders Please Note: Before preparing this bid schedule, read carefully, "Information to Bidders", and the following:

The Bidder shall insert a fixed price in figures opposite each pay item that appears in the bid schedule to furnish all labor, material, equipment, supervision and provide all work for each item listed. No price is to be entered or tendered for any item not appearing in the bid schedule.

Contract award shall be made on the basis of the total Base Bid plus additive alternates as selected by Alaska Energy Authority. If Bid Alternates are included in the Bid Documents, the Alaska Energy Authority 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 Alaska Energy Authority

Item	Description	Quantity	Unit	Unit Price	Extended Total Amount
BASE BID:					
1	Furnish Intertie Materials	1		\$	\$
1	Construct Electrical Intertie	1	LS	\$	\$
2	Local Hire Allowance	1	Contingent Sum	\$50,000	\$50,000
BASE BID: TOTAL OF ITEMS FROM ABOVE					\$
ADDITIVE ALTERNATES:					
A	Construct Twin Hills Distribution System	1	LS	\$	\$
B	Construct Standby Power Module	1	LS	\$	\$
C	Construct Twin Hills Distribution South	1	LS	\$	\$
TOTAL BID: SUM OF BASE BID AND ADDITIVE ALTERNATES					\$
Bidder is required to bid on all bid items, including all Additive Alternates.					
See Attachment #3 Amendment 2 Specification Section 011000 Summary of Work for detailed descriptions of each bid item and additive alternate.					

Conditioned or qualified bids will be considered non-responsive.

Contractor's Name (Printed)

Alaska Contractor's Registration #

Expires

Alaska Business License #

Expires

Email

**ADDENDUM #2
ATTACHMENT #2**

CONTRACTOR'S QUESTIONNAIRE

**Twin Hills Power System Upgrade
19023**

A. FINANCIAL

1. Have you ever failed to complete a contract due to insufficient resources?
 No Yes If YES, explain:

2. Describe any arrangements you have made to finance this work: _____

B. EQUIPMENT

1. Describe below the equipment you have available and intend to use for this project.

ITEM	QUAN.	MAKE	MODEL	SIZE/ CAPACITY	PRESENT MARKET VALUE

2. What percent of the total value of this contract do you intend to subcontract? _____ %

3. Do you propose to purchase any equipment for use on this project?
[] No [] Yes If YES, describe type, quantity, and approximate cost:

4. Do you propose to rent any equipment for this work?
[] No [] Yes If YES, describe type and quantity:

5. Is your bid based on firm offers for all materials necessary for this project?
[] Yes [] No If NO, please explain:

C. EXPERIENCE

1. Have you had previous construction contracts or subcontracts with the Authority?
[] Yes [] No

Describe the most recent or current contract, its completion date, and scope of work:

2. List, as an attachment to this questionnaire, other construction projects you have completed, the dates of completion, scope of work, and total contract amount for each project completed in the past 12 months.

3. Describe your proposed construction approach (winter versus summer intertie construction, etc) and anticipated construction schedule for each major work item

I hereby certify that the above statements are true and complete.

Name of Contractor

Name and Title of Person Signing

Signature

Date

ADDENDUM #2

ATTACHMENT #3

SECTION 01 10 00

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This section describes the project and the work to be performed under this Contract. Detailed requirements and extent of work are stated in applicable Specification sections and shown on the Drawings.

1.02 ORGANIZATION AND INTERPRETATION OF CONTRACT DOCUMENTS

- A. Specifications and Drawings included in these Contract Documents establish the performance, quality requirements, location and general arrangement of materials and equipment, and establish the minimum standards for quality of workmanship and appearance.
- B. Specification sections have not been divided into groups for work of subcontractors or various trades. Should there be questions concerning the applicability or interpretation of a particular section or part of a section or Drawing, direct questions to the Engineer.
- C. A part of the work that is necessary or required to make each installation satisfactory and operable for its intended purpose, even though it is not specifically included in the Specifications or on the Drawings, shall be performed as incidental work as if it were described in the Specifications and shown on the Drawings.

1.03 DESCRIPTION OF PROJECT

- A. Scope
 - 1. This project consists of a general contract to furnish all labor, materials, equipment, consumables, supervision, transportation, freight, subsistence, expertise and incidentals necessary to complete the Twin Hills Rural Power System Upgrade Project as identified in the Contract Documents.
 - 2. All work is included in the Base Bid and any Additive Alternates awarded unless otherwise indicated and can be generally described as providing the following as appropriate for each bid item and additive alternate:
 - a. Pre-construction and post construction costs of obtaining all required bonds, permits and other costs Contractor must incur before beginning the work.
 - b. Mobilization and demobilization.

- c. Construction surveying and staking
 - d. Erecting, maintaining and removing all temporary structures, storage yards, erosion control measures, and other construction facilities.
 - e. Disassembly, relocation and/or reassembly of existing structures that interfere with execution of the work, including boardwalks, steambaths, and other miscellaneous structures.
 - f. Receipt of any owner furnished materials.
 - g. Furnishing and installation of H-piles
 - h. Furnishing and installation of helical pile guy anchors and guy lines.
 - i. Furnishing and installation of electrical primary and secondary cable, controls and power poles.
 - j. Furnishing and Installation of transformers
 - k. Providing temporary power to structures affected by the construction.
 - l. Demolition of existing primary and secondary distribution components taken out of service as a result of the project.
 - m. Onsite Safety.
 - n. Testing and Quality Control
 - o. All other work and material that may be indicated or shown on the drawings, described in the specifications, and/or is needed to make a complete and fully functioning electrical distribution system.
- B. The Contractor shall, except as otherwise specifically stated in applicable parts of these Contract Documents, provide and pay for labor, materials, equipment, tools, construction equipment, facilities, and services necessary for proper execution, testing, and completion of the work.

1.04 DESCRIPTION OF BID ITEMS

A. Bid Item 1: Furnish Intertie Materials

1. The lump sum bid for Bid Item 1 shall include but not be limited to full payment for all labor, material, freight and equipment required to furnish all materials required for construction of the electrical intertie FOB Togiak or Twin Hills, as appropriate, including: all driven and helical piles, helical anchors, poles, weldments, cross arms, guys, lighting systems, switches, transformers, conductor and associated components and hardware to complete the intertie as shown on the plans and described in the project specifications. The bid item includes Togiak poles 10 to 10-7 and poles T1 to T89 inclusive.
2. Contractor shall provide secure storage for project materials above the normal high water line at FOB point.
3. Measurement for payment shall be lump sum complete in place.

B. Bid Item 2: Construct Electrical Intertie

4. The lump sum bid for Bid Item 2 shall include full payment for all labor, material, freight and equipment required to install all system components provided in Bid Item #1 to make a complete and functional electrical intertie. The bid item includes installation of Togiak poles 10 to 10-7 and poles T1 to T89 inclusive.
5. Work shall also include energizing and testing the new intertie and demolition of all existing system components taken out of service as a result of work completed under this bid item in accordance with the project plans and specifications.
6. Work shall also include transportation of demolished items to a permitted landfill or other location approved by the Utility and the Authority.
7. Measurement for payment shall be lump sum complete in place.

C. Bid Item 3: Local Hire Allowance

1. This item is a contingent sum allowance for local hire. The contractor is expected to utilize the local labor pool to the greatest extent possible. Prior to the first pay application, the contractor shall submit a plan to utilize local labor and provide a cost estimate for the total local labor payroll. Local labor will be employed directly by the Contractor.

D. Additive Alternate A: Construct Twin Hills Distribution System Upgrades

1. The lump sum bid for Additive Alternate A shall include full payment for all labor, material, freight and equipment required to furnish and install all required poles, conductor, transformers, switch cabinets, hardware, guy anchors, guy lines, and other components to upgrade the Twin Hills Electrical Distribution System as shown on the plans and described in the project specifications. This bid item includes poles 0 to 9-3-6A, 9-4 to 25A, and T90 to T92 inclusive.
2. Work shall also include energizing and testing the new system components installed under this bid item, and demolition of all existing system components taken out of service as a result of this bid item as shown in the plans and described in the project specifications.
3. Work shall also include transportation of demolished items to a permitted landfill or other location approved by the Utility and the Authority.
4. Measurement for payment shall be lump sum complete in place.

E. Additive Alternate B: Construct Standby Power Module

1. The lump sum bid for Additive Alternate B shall include full payment for all labor, material, freight and equipment required to install all system components shown on the drawings to make a complete and functional standby power module, including:
 - a. Standby Power Module: All fabrication, structural, architectural, mechanical, and electrical components, site preparation, clearing and grubbing, earthwork, grounding systems, concrete foundations, fuel piping, connections to and modifications to existing bulk fuel storage tanks, level sensors, fence and gates,

and associated components and hardware as shown on the plans and described in the project specifications.

2. Work shall also include energizing and testing the new standby module and disconnecting the existing power plant from the system in accordance with the project plans and specifications.
 3. Work shall also include transportation of demolished items to a permitted landfill or other location approved by the Utility and the Authority.
 4. Measurement for payment shall be lump sum complete in place.
- F. Additive Alternate C: Construct Twin Hills Distribution System South Extension A
1. The lump sum bid for Additive Alternate C shall include full payment for all labor, material, freight and equipment required to furnish and install all required poles, conductor, transformers, switch cabinets, hardware, guy anchors, guy lines, and other components to extend the Twin Hills Electrical Distribution System as shown on the plans and described in the project specifications. This bid item includes poles 9-3-7 to 9-3-31 inclusive.
 2. Work shall also include energizing and testing the new system components installed under this bid item.
 3. Measurement for payment shall be lump sum complete in place.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION