



**Department of Environmental Conservation  
Village Safe Water Program**

**Invitation to Bid (ITB)  
ITB # VSW-NUP-2019-38**

**Addendum Two**

**Water Treatment Plant Foundation  
City of Nunapitchuk, Alaska**

**Date of Issue: July 9, 2019**

The ITB Package is hereby clarified or changed as follows:

1. Submittal deadline has not been changed.
2. Remove and Replace
3. Questions and Answers
4. Attachments

The questions and answers, remove and replace, attachments begin on page two. This Addendum is hereby made part of the ITB and is a total of two pages (not including attachments).

All other terms and conditions for this ITB remain unchanged.

Issued by: Fred Parrish  
Procurement Officer  
(907) 269-7674

## 2. Remove and Replace

Remove Section 1, Invitation to Bid and replace with Attachment A.

Remove Section 5, Technical Requirements for Water Treatment Plant Foundation and replace with Attachment B.

Remove Attachment A, Bid Schedule, Page 1, and replace with Attachment C. Bidders shall submit their bid on the Updated Bid Schedule, Rev 1.

## 3. Questions and Answers

**Question 1:** What is the engineer's estimate?

**Answer 1:** An Engineer's Estimate is not available for ITB VSW-NUP-2019-38.

**Question 2:** Would the Village Safe Water (VSW) Program consider adjusting the project schedule due to the limited barge shipments to Bethel and the possibility of Johnson River's low water level?

**Answer 2:** No, there is no change to the project schedule.

**Question 3:** Will VSW separate Bid Item 2, Furnish and Install Piles, in Attachment A, to two individual Bid items (furnish and install, each separately) in the Bid Schedule and add an additional Bid Item for any additional splicing and driving beyond design depths?

**Answer 3:** Reference Attachment C.

## 4. Attachments

The following attachments are now added to the ITB:

- A. Section 1, Invitation to Bid (two pages);
- B. Section 5, Technical Requirements for Water Treatment Plant Foundation (eight pages);
- C. Attachment A, Bid Schedule, Page 1 (one page).

Bidders must acknowledge receipt of this addendum prior to the submittal deadline.

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.

**End of Addendum**

## Section 1

### Invitation to Bid

On behalf of the City of Nunapitchuk, the State of Alaska, Department of Environmental Conservation (DEC), Village Safe Water (VSW) Program is soliciting competitive sealed bids for the construction of pile foundations for a new water treatment plant/washeteria building and its exterior fuel tank, as well as the relocation of an existing timber foundation building. The VSW Program is the City Nunapitchuk's authorized representative for this Invitation to Bid (ITB).

#### **Bid Submittal**

Sealed Bids must be submitted at the VSW Program Office, 555 Cordova Street, 4<sup>th</sup> Floor, Anchorage, Alaska 99501 and must be time and date stamped prior to 3:00 PM Alaska Time, on **July 16, 2019**, at which time they will be publicly opened. Late Bids will not be considered.

Bidders shall bid on all bid items in order to be considered responsive. The total price shall be quoted FOB Destination; Nunapitchuk, Alaska.

#### **Scope of Work**

The purpose of this solicitation is to construct piling foundations for the support of a future water treatment plant building and fuel tank as shown in the attached plans and specifications. Work must be completed by April 30, 2020.

The work shall include the following:

1. Mobilization and Demobilization;
2. Furnish HP 10x57 Piles;
3. Drive HP 10x57 Piles;
4. Additional HP 10x57 Pile Embedment;
5. Furnish and Install Pile Caps;
6. Furnish and Install Pile Thermal Siphons;
7. Relocate Community Building;
8. Construction Survey.

The work completed consists of furnishing all labor, equipment and materials for the construction.

An inter-agency single source contract may be added for pile driving work for a new bulk fuel site in Nunapitchuk, however DEC does not guarantee this single source contract will be established.

A standard workweek is generally based on a 60-hour workweek, Monday through Saturday, 8:00 a.m. to 6:30 p.m. Work in excess of this may cause community complaint of noise or dust, in which event work shall need to be accomplished within the above described 60-hour work window.

#### **Minimum Qualifications of the Bidder**

The pile driver, herein referred to as Contractor, shall be a licensed general contractor with the State of Alaska in accordance with Title 8 (08.18.011) and be experienced and skilled in driving piles. The Contractor shall be qualified by broad experience in the construction of pile foundations, and shall have the necessary equipment and experience to cope with all construction problems that may arise. The Contractor shall employ competent workers for the execution of the work and all such work shall

be performed with modern equipment in good mechanical condition under the direct supervision of an experienced pile driver.

### **Important Information to Bidders**

In order to submit a responsive bid, the bidder shall include the written documentation specified below with their bid. Failure to include this documentation with the bid or documentation identified below shall cause the bid to be deemed non-responsive and therefore not considered.

- Complete the following:
  - a) Section 4, Bid Form;
  - b) Attachment A, Bid Schedule, Contractor's Questionnaire, and Proposed Performance Schedule.

### **Pre-Bid Conference**

A pre-bid conference will be held on **July 3, 2019** at 2:00 PM Alaska Time, at 555 Cordova Street (1st Floor), Anchorage, Alaska 99501. The purpose of the conference is to discuss the work to be performed with the prospective offerors and allow them to ask questions concerning the ITB. Interested bidders are encouraged to attend the pre-bid conference or call the conference line number. The conference line number is 800-315-6338, access code 75021#. Questions and answers will be transcribed and be issued as an Addendum to the ITB after the pre-bid meeting by the Procurement Officer.

Offerors with a disability needing accommodation should contact the Procurement Officer prior to the date set for the pre-proposal conference so that reasonable accommodation can be made.

### **Pre Award Conference**

After the notice-of-intent to award, the apparent low bidder shall conference with VSW and the Engineer to discuss the project. VSW wants to confirm information in the bid and confirm that the bidder understands the project conditions.

Questions regarding this solicitation shall be addressed in writing by email (preferred) to the Procurement Officer, Fred Parrish at [DECDA\\$PROCUREMENT@alaska.gov](mailto:DECDA$PROCUREMENT@alaska.gov). The deadline for submission of questions is 3:00 PM Alaska Time, **July 3, 2019**.

**BIDDERS WITH DISABILITIES:** The State of Alaska complies with Title II of the Americans with Disabilities Act of 1990. Individuals with disabilities who may need auxiliary aids, services, and/or special modifications to participate in this procurement should contact the Division of Administrative, Procurement Section at one of the following numbers no later than **June 27, 2019** to make any necessary arrangements.

Telephone: 907-269-0291  
Fax: 907-269-7509

END OF SECTION 1.

## Section 5

### Technical Requirements

#### For

### Water Treatment Plant Foundation

## PART 1 – GENERAL

### 1.1 DESCRIPTION

The work covered by this Section includes the furnishing of all materials, labor, equipment and performing all operations for the construction of pile foundations as detailed in Attachment B, Technical Specifications and Attachment C, Drawings for the City of Nunapitchuk (herein referred to as Owner) located in Nunapitchuk, Alaska. The Department of Environmental Conservation (DEC) Village Safe Water (VSW) Program will act as the Owner's Representative, assume all duties and responsibilities, and have the rights and authority assigned to Owner in the Contract Documents in connection with completion of the work in accordance with the Contract Documents. CRW Engineering Group, LLC will serve as the Project Engineer, hereinafter called Engineer, and will be responsible for monitoring the performance of services provided by the Contractor.

Time is of the essence. All work shall be completed by **April 30, 2020** and be accomplished in accordance with these specifications and attached drawings. Time extensions can only be granted if there are changes in the work, or by excusable delays. No claim for extra cost shall be allowed to the Contractor for any delay created or within the control of the Contractor, including those delays caused by third parties, and beyond the control of the Owner.

Pricing provided in the Bid Schedule is to include all costs associated with completing the project, including administration, overhead, profit, etc. Bidder must include a price for all items even if the price is \$0.00. Quantities referenced in the Bid Schedule are estimates only, and do not reflect the actual quantity that will be needed to complete the project. The Owner does not guarantee a minimum or maximum quantity for any of these items. The Contractor shall invoice only for quantities used.

If the Owner has provided optional items to select project work from, it will be the Owner's right to select the option best suited for the desired product. No additional fees, cost, or monies will be owed to the bidder for options not selected.

Prior to award, upon the request of the Owner, Owner's Representative and Engineer, the Bidder shall attend a pre-award meeting with the Owner, Owner's Representative and Engineer, and shall bring to the meeting any documents requested by the Owner, Owner's Representative and Engineer to assist the Owner in determining the Bidder's understanding of the Project. In the event the Bidder refuses to provide the requested information or attend the pre-award meeting, the Owner may reject the bid as non-responsive.

## **1.2 REFERENCES AND APPLICABLE SPECIFICATION STANDARDS**

NOT APLLICABLE

## **1.3 SUBMITTALS AND SUBSTITUTIONS**

### **1.3.1 Materials, Methods and Schedule**

- Prior to materials procurement or shipment, the Contractor shall identify all proposed products and materials required by the contract and provide manufacturers specifications for those products and materials.
- The Contractor shall identify all pile-driving equipment, methods and procedures proposed for completion of the project.
- The Contractor shall provide the proposed method of shipment and a tentative timetable adequate to meet the construction start date (to be determined prior to award of contract and project completion date of **April 30, 2020**).
- Reference Attachment B, Technical Specifications for additional submittal requirements.

### **1.3.2 Safety and Protection**

- The Contractor shall provide a Health and Safety Work Plan for review by the Owner, Owner's Representative and Engineer prior to award of contract.
- The Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work.
- The Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:
  - ✓ All employees on the work and other persons and organizations who may be affected thereby;
  - ✓ All the work and materials and equipment to be incorporated therein, whether in storage on or off the site; and
  - ✓ Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement during construction.
- The Contractor shall comply with all applicable Laws and Regulations (whether referred to herein or not) of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury, or loss and shall erect and maintain all necessary safeguards for such safety and protection.

- The Contractor shall notify owners of adjacent property and utilities when prosecution of the work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.
- The Contractor shall designate a qualified and experienced safety representative at the site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and program.
- Materials that contain hazardous substances or mixtures may be required for the Work. A Material Safety Data Sheet shall be made available on site by the Contractor for every hazardous product used.
- Material usage shall be accomplished with strict adherence to Occupational Safety and Health Administration (OSHA) safety requirements and all manufacturer's warnings and application instructions listed on the Material Safety Data Sheet and on the product container label.
- The Contractor shall be responsible for coordinating any exchange of Material Safety Data Sheets or other hazard communication information required to be made available to or exchanged between or among employers at the site in accordance with Laws or Regulations.
- The Contractor shall notify the Engineer if it considers a specified product or its intended usage to be unsafe. This notification must be given to the Engineer prior to the product being ordered or, if provided by some other party, prior to the product being incorporated in the work.

## **PART 2 – PRODUCTS**

### **2.1 Reference Attachment B, Technical Specifications for material requirements.**

## **PART 3 – EXECUTION**

### **3.1 GENERAL**

The Contractor shall consult with the Owner's Representative and Engineer before proceeding.

### **3.2 TRANSPORTATION**

The Contractor is made aware that the public airport is separated from the City's central business area and project site by the Johnson River. The central business is located on the east side. The Contractor shall be responsible for safely transporting workers, equipment and material across the river, regardless of weather and season.

### **3.3 ACCESS**

The project location is located on a flat area of land located on the east side of the Johnson River, adjacent to the existing water treatment plant. As indicated, access is limited by existing surface improvements, including the boardwalks and numerous buildings and tanks. The Contractor may visit the site to assess equipment and material access needs to complete the work. The drawings may not completely indicate the locations of existing facilities. The Contractor shall be responsible for all costs associated with mobilizing equipment to the work site, including any replacement or repair of damaged boardwalks to existing conditions and any snow clearing.

### **3.4 BOARDWALKS**

The Contractor may cross over boardwalk structures provided that sufficient protection is provided to prevent any damage. Specific access and method of boardwalk protection shall be approved by the Owner prior to mobilization of equipment. Any damage made to boardwalks in the course of construction shall be repaired immediately with new materials to existing conditions or better, and to the satisfaction of the Engineer.

### **3.5 LODGING**

Lodging shall be the responsibility of the Contractor.

### **3.6 TUNDRA PROTECTION**

Work shall be accomplished when the tundra is frozen. Tundra shall be protected by the Contractor to prevent compaction, rutting and ponding that may occur as a result of the Contractor's activities. Mats shall be used as required to protect the in-situ organic soils from damage if they become unfrozen during construction. Any ruts or damaged tundra shall be filled, patched, sloped to drain and seeded by the Contractor.



### **3.7 SITE INFORMATION**

Attachment D, Geotechnical Report has been prepared for this project and is available to the Contractor to use as reference information only. No guarantee is made by Owner that such data accurately represents actual subsurface conditions.

### **3.8 PILE DRIVING TIME LIMITATIONS**

The Contractor shall not drive piling during the following time periods:

- Between the night-time hours of 8:00 PM and 8:00 AM.
- During the time at which standardized academic testing may be administered in the school. The Contractor shall coordinate with the school principal to determine times of this testing and abide by the limitations.

### **3.9 MOBILIZATION AND DEMOBILIZATION**

The Contractor shall be paid under a separate pay item to cover all costs for mobilization and demobilization of this project. These costs shall include all fixed costs anticipated by the Contractor to accomplish mobilization and demobilization for the project. Mobilization costs shall include erection of a USDA-Rural Development project sign as described in Section 6 and Attachment E.

### **3.10 TEMPORARY EROSION AND POLLUTION CONTROL**

Temporary erosion and pollution control shall consist of the following:

- The Contractor shall provide temporary control measures to control temporary erosion and water pollution in accordance with local, state, and federal regulations or ordinances.
- Prior to the start of the applicable construction, the Contractor shall submit to the Engineer for acceptance, the Contractor's plan for accomplishment of temporary erosion control work, including disposal and control of water discharged during well development and pump testing. No work shall be started until the erosion control plan and proposed methods of operations have been accepted.
- This work shall involve the construction of temporary berms, dikes, dams, sediment basins, and slope drains, and the use of temporary mulches, seeding, or other control devices or methods as necessary to control erosion. Temporary pollution control measures shall be used to correct conditions that develop during construction that were not foreseen during the design stage.
- In the event of conflict between these requirements and pollution control laws, rules, or regulations of other federal, state, or local agencies, the more restrictive laws, rules, or regulations shall apply.

- Other miscellaneous tasks described in this Section as work to be completed by the Contractor shall be considered incidental to the project and no additional compensation shall be given to the Contractor for the completion of this work.

### **3.11 UTILITIES**

The Contractor is responsible for determining the location of all utilities and for protecting them from damage during construction. Should any marked utility be damaged or disturbed, the Contractor shall immediately notify the Owner and Engineer of the damaged utility. All damage that results from work under the contract shall be promptly repaired at the expense of the Contractor. The source of electrical power to operate the Contractor's equipment shall be the Contractor's responsibility. The Contractor shall also be responsible for obtaining water for work as needed.

### **3.12 MOBILIZATION, DEMOBILIZATION, AND CLEANUP OF SITE**

To facilitate coordination of work, the Contractor shall notify the Owner's Representative at least 48 hours in advance of mobilizing and demobilization. The Contractor shall perform work in a manner to ensure minimal obstruction to traffic and minimal inconvenience to the general public and the Owner.

During the progress of work, the Contractor shall protect all existing vegetation, structures, boardwalks, ditches, culverts, signposts, fences, and similar items. If the Contractor must remove or disturb these facilities, provision shall be made to maintain a temporary facility serving the same purpose as that which it was intended to replace. These provisions shall include:

- Restore all areas disturbed by construction to a condition at least equal to that existing prior to construction. Excess construction materials, equipment, tools, waste excavation, and rubbish shall be removed. Excavated areas shall be graded to provide drainage as required by the drawings and specifications, or in the absence of specific requirements, to restore original drainage patterns in existence prior to construction.

### **3.13 DISPOSAL OF DEBRIS**

There is no permitted landfill in Nunapitchuk. All debris generated by the Contractor shall be removed from the Community or disposed of in accordance with State and Federal regulations.

### **3.14 MEASUREMENT AND PAYMENT**

The contract price for each item shall constitute full compensation for furnishing all labor, equipment, appliances, and material, and performing all operations necessary to construct and complete the items in accordance with the requirements of the specifications as full compensation notwithstanding that minor features of work to complete the item may not be mentioned.

Deviation in the actual quantities either above or below the estimated quantities shown for each item shall not be a basis for a claim for adjustment in any of the contract unit prices. Work paid for under one item will not be paid for under another item.

Payment for mobilization for construction must be made at the lump sum prices named in Attachment A, Bid Schedule under Item No. 1, which price shall constitute full compensation for completion of all transportation of Contractor's equipment, personnel, materials, tools, supplies, and the provision of all facilities for temporary power, water, fire protection, communications, and storage at the project site. This item also includes fabrication and installation of a USDA-RD project sign, and obtaining all necessary permits required by local, state, and federal governmental agencies. For purposes of pay, 80 percent of the lump sum price shall be paid for mobilization with the remaining 20 percent paid for demobilization, in accordance with the Contract Documents. Payment for this item shall be on a lump sum basis.

Furnish HP 10x57 Piles shall include all labor, materials and equipment required to deliver piles, and associated appurtenances to the project site as shown in the Contract Documents. Payment for this item shall be for each vertical linear foot (VLF) of pile. The payment amount will be calculated using the quantity of pile indicated on the bid schedule, or the quantity of installed piles, whichever is greater.

Drive HP 10x57 Piles shall include all labor, materials and equipment required to install piles to the depths as indicated in the Contract Documents. Payment for this item shall be for each pile furnished, installed and accepted by the Engineer.

Additional HP 10x57 Pile Embedment (up to 20 LF) shall include all labor, materials and equipment required to install pile up to 20 LF beyond design depth indicated in the Contract Documents. Additional embedment depth assumes one additional splice per pile. Payment for this item shall be on a lump sum basis for each pile that requires additional embedment as installed and accepted by the Engineer.

Furnish and Install Pile Caps shall include all labor, materials and equipment required to install pile caps as indicated in the Contract Documents. Payment shall be for each pile cap furnished, installed and accepted by the Engineer.

Furnish and Install Pile Thermal Siphons shall include all labor, materials and equipment required to install thermal siphons as indicated in the contract documents. Payment shall be for each thermal siphon furnished, installed and accepted by the Engineer.

Relocate Community Building shall include all labor, materials and equipment required to relocate the community building as indicated in the Contract Documents. Final location of the building is generally shown in the drawings, but shall be coordinated with the Owner prior to relocation. Work shall include relocation of building and building foundation. Foundation shall be shimmed with timber shims as necessary to provide a level surface for the building. Measurement for payment shall be percent complete as determined by the Engineer. Payment for this item shall be on a lump sum basis.

Construction Survey shall include all labor, materials and equipment required to perform a construction survey to determine the pile locations. Survey shall be performed by a professional land surveyor, licensed in the State of Alaska. Survey shall document pile location in relation to existing benchmarks and property corners.

REVISED - ATTACHMENT A					
BID SCHEDULE					
VILLAGE SAFE WATER NUNAPITCHUK PROJECT (WATER TREATMENT PLANT FOUNDATION)					
Bid Item	Description of item/service	Unit	Quantity	Unit Cost (\$)	Total Cost (\$)
1	Mobilization and Demobilization	LS	1		
2	Furnish HP 10x57 Piles	VLF	2,508		
3	Drive HP 10x57 Piles	EA	44		
4	Additional HP 10x57 Pile Embedment (up to 20 LF)	EA	2		
5	Furnish and Install Pile Caps	EA	44		
6	Furnish and Install Thermal Siphons	EA	44		
7	Relocate Community Building	LS	1		
8	Construction Survey	LS	1		

**Total Bid Amount in Words:**

\_\_\_\_\_

**Total Bid Price in Numerals:**

\_\_\_\_\_

**Company:**

\_\_\_\_\_

**Signature of Authorized Official:**

\_\_\_\_\_

**Printed Name:**

\_\_\_\_\_

**Title:**

\_\_\_\_\_

**Date:**

\_\_\_\_\_