| ADDENDUM TO THE CONTRACT DOCUMENTS | Page Number<br>1 | No. of Pages<br>10 |
|---|---|---|
| **Addendum No.** Six | **Date Addendum Issued:** April 26, 2019 | |
| **Issuing Office**<br>Department of Natural Resources<br>Support Services Division<br>Procurement Section<br>550 West 7th Ave., Suite 1330, Anchorage, Alaska 99501<br>Phone: 269-8666 Fax: 269-8909 | **Previous Addenda Issued**<br><br>One, Two, Three, Four, and Five | |
| **Project:** Kodiak Habitat Enhancement Project<br>Lake Catherine Area<br>**Project No.:** ITB 10-005-19 | **Date and Hour of Quotes Due**<br>May 3, 2019 at 2:00 PM. (UNCHANGED!!) | |

## NOTICE TO BIDDERS

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

(a) By acknowledging receipt of this addendum on the quote submitted.
(b) By telegram 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 quote 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 quote already submitted, such modification may be made by telegram or telefacsimile provided such a telegram or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.

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## Bid Documents:

The following changes are being made to the ITB:

1. General Requirements, Scope of Work, ignore any references to removal of the abandoned wooden bridge downstream of Lake Louise.
2. Standard Modifications, replace sections 606, 626, and 627 with the attached new sections 606, 626, and 627.
3. Replace bid schedule A with the attached Bid Schedule A.
4. Remove Bid Schedule C that relates to removal of the abandoned bridge.
5. Modify the Summary Bid Schedule to remove the line for Schedule C. Total bid amount will now consist of the Total Basic Bid Amount for Schedule A and Schedule B added together.

Following are questions that have been asked by potential bidders. The corresponding answers are in bold italicized text immediately following the question.

1. Are we able to connect fire hydrants on either side of the work zone to supply water to the dead end water system of Lake Louise housing? ***See revised specifications attached.***
2. If we can use fire hydrants for the temp water line, will we need to install backflow preventers at the hydrants? ***See revised specifications attached.***
3. It appears like the closest fire hydrants that have isolation valves on the main are approximately 1500' away from each other. What is the peak flow required for the temporary water system? Do you have a suggested size the temporary water system shall be? ***See revised specifications attached.***
4. If you have a suggested route for the temporary water system please provide. ***See revised specifications attached.***

5. Will temporary water and sewer lines need to be buried at road crossings, or will we be able to build ramps over them for vehicular and construction traffic? ***See revised specifications attached.***
6. Please provide a specification for the flushing, chlorination, dechlorination, and pressure testing of the temporary water service. ***See revised specifications attached.***
7. Will the temporary sewer service need to be a certain type of material around the area of the anadromous stream? Are there any containment specifications to adhere to in this sensitive area? ***See revised specifications attached.***

**There are no further changes to the ITB at this time.**

Bidders are required to acknowledge this addendum on the proposal form or by FAX prior to the quotes being due.

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Addendum Number Six (6)) received.

_____

Name/Title Date

_____

Firm

**END OF ADDENDUM**

## SECTION 606
## GUARDRAIL

**606-3.01 GENERAL.** *Add the following:*
The contractor shall install guardrail at the locations shown on the Plans.

If guardrail runs are not completed within 10 calendar days after beginning installation, install temporary crash cushions meeting NCHRP 350 or MASH test level 3 at all non-crashworthy guardrail ends within the clear zone.

When possible, proceed with construction of guardrails with the direction of traffic.

Where necessary, adjust the height of existing guardrail to provide a smooth transition to new guardrail. Use 25 linear feet of guardrail or two 12'6" pieces of guardrail to transition to match the existing or new guardrail elements and/or end treatments.

**606-3.02 POSTS.** Set posts to accommodate the line, grade, and curvature shown on the Plans. Use steel posts as shown.

Set posts plumb, in the location and to the depth shown on the Plans. Set steel posts in dug, drilled, or pre-punched holes. Steel posts may also be set by ramming or driving if: a. The underlying material is no larger than six inch; and b. The posts are not damaged during installation. 4. Backfill and compact around posts with material as specified in the typical section to firmly support the post laterally and vertically. Compact under and around posts to the Engineer's satisfaction.

**606-3.03 BEAM RAIL.** Fabricate metal work in fabricator's shop. Bend curved guardrail elements with radii less than or equal 100 feet in the fabricator's shop or with an approved bending apparatus.

Receive approval (from Engineer) before field punching, cutting, or welding. Repair damaged spelter coat areas on galvanized rail elements according to AASHTO M 36.

Lap rail elements so that the exposed ends face away from approaching traffic.

Use bolts long enough to extend at least ¼ inch beyond the nuts. Except where required for adjustments, do not extend bolts more than 1 inch beyond the nuts.

Locate bolts at expansion joints at the center of the slotted holes.

Tighten bolts at expansion joints to snug-tight. Make all other bolts fully-tight.

**606-3.05 TERMINAL SECTIONS.** Install terminal sections according to the manufacturer's recommendations. Install where shown on the Plans. Attach flexible markers, in a vertical position, to the first post of each parallel guardrail terminal using two pipe bracket holders spaced 24 inches apart.

**606-3.07 REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL.** Remove the existing guardrail shown on the Plans, including the rail, cable elements, terminal sections, hardware, posts, concrete bases, and steel tubes. Removed items become Contractor's property.

**606-3.09 INSTALL NEW GUARDRAIL.** Install guardrail measured from the top of the rail to the finished shoulder surface below the rail. New guardrail installed with height less than 28", or greater than 30" is unacceptable and must be adjusted.

**606-5.01 BASIS OF PAYMENT.**

| Pay Item | | Pay Unit |
|---|---|---|
| 606 (1) | W-Beam Guardrail | Linear Foot |
| 606 (6) | Removing and Disposing of Guardrail | Linear Foot |

## SECTION 626
## SANITARY SEWER SYSTEM

**626-1.01 DESCRIPTION.** *Add the following:*
Unless three and a half (3.5) feet of soil cover is provided above and below the line, insulate the pipeline with rigid insulation and jacket as indicated on the drawings.

In case of sewer main failure (or if requested by the USCG and/or another authority having jurisdiction - AHJ) replace or repair the sanitary sewer main and furnish all appurtenances to conform to all applicable standards and regulations. This Section refers to conduit used for sanitary sewer main as "sanitary sewer conduit."

Sanitary sewer bypass shall be constructed out of 10" diameter HDPE between the 2 closest manholes within the construction area. Pipe can be placed directly on the ground with ramps built over pipe for traffic crossings. Bypass must be in place while existing sanitary sewer main is exposed during culvert installation.

**626-2.01 MATERIALS.** Use materials that conform to the following:

| | |
|---|---|
| Bedding and Backfill | Section 204-2.01 |
| Rigid Insulation with jacket | Section 706-2.08 |

**626-5.01 BASIS OF PAYMENT.**

| Pay Item | | Pay Unit |
|---|---|---|
| 626 (1) | Insulation w/ jacket for Sanitary Sewer Conduit | Linear Foot |
| 626 (2) | Sanitary Sewer Bypass with 10" Diameter HDPE | Linear Foot |

## SECTION 627
## WATER SYSTEM

**627-1.01 DESCRIPTION.** *Add the following:*
Unless three and a half (3.5) feet of soil cover is provided above and below the line, insulate the pipeline with rigid insulation and jacket as indicated on the drawings

In case of water main failure (or if requested by the USCG and/or AHJ) construct or reconstruct water main and furnish all appurtenances to conform to the required standards and regulations. This Section refers to conduit used for water main as "water conduit."

Water main bypass shall be constructed out of 8" diameter HDPE between the 2 closest fire hydrants within the construction area. Pipe can be placed directly on the ground with ramps built over pipe for traffic crossings. Bypass must be in place while existing water main is exposed during culvert installation.

Backflow preventers must be used on both hydrants during the bypass.

**627-2.01 MATERIALS**. In case of water main failure (or if requested by the utility and/or AHJ) replace or repair water main and furnish all appurtenances to conform to all applicable standards and regulations. Use materials that conform to the following:

| | |
|---|---|
| Bedding and Backfill | Section 204-2.01 |
| Rigid Insulation with jacket | Section 706-2.08 |

**627-3.07 DISINFECTION.** Prior to placing the water main back in service, disinfect all portions of the water system, including valves and stops and any portion of the existing connecting system that may have been contaminated during construction. Use calcium hypochlorite as the disinfecting medium. Use "HTH," Perchloron, or a similar commercial product with approximately 70 percent available chlorine. Make a 5 percent solution by mixing 5 percent of powder with 95 percent water (by weight). Mix the solution into a paste, thin it to slurry by adding water, and add it to the system. Place enough disinfecting material in the system to ensure a chlorine dosage of 50 ppm. This dosage is equivalent to 10 ounces of commercial hypochlorite powder to each 1,000 gallons of water. After adding the chlorine solution, open and leave open all taps, valves, etc., until you notice a strong chlorine odor in the water coming from the outlets; then close the taps, valves, etc. Keep chlorinated water in the system for at least 24 hours; then thoroughly flush the system. During the retention period, operate all valves, stops, and other appurtenances to assist disinfection. After treating the system, thoroughly flush. Then take samples from representative points in the system. Place samples in sterile bottles and submit them to proper authorities as directed for bacteriological examination. If the bacteriological examination report is unsatisfactory, repeat disinfection until you obtain satisfactory results.

**627-5.01 BASIS OF PAYMENT.**

| Pay Item | | Pay Unit |
|---|---|---|
| 627 (1) | Insulation with Jacket for Water Conduit | Linear Foot |
| 627 (2) | Water Main Bypass with 8" Diameter HDPE | Linear Foot |

# BID SCHEDULE A – Addendum 6

STATE OF ALASKA – DEPARTMENT OF NATURAL RESOURCES

Project Name: Kodiak Island Habitat Enhancement Project – Lake Catherine – Old Tom Stiles Road Culvert Replacement (Site 20700877)

Project Number: 10-005-19

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Before preparing this bid schedule, read carefully, Section 102 of the 2017 edition of the Standard Specifications for Highway Construction, and the following:

The Bidder shall insert, as called for, a unit price or lump sum price in figures opposite each pay item for which an estimated quantity appears in the bid schedule. A unit price or lump sum price is not to be entered or tendered for any pay item not appearing in the bid schedule. The estimated quantity of work for payment on a lump sum basis will be "All Required" (All Req'd) and as further specified in the contract.

Whenever a Contingent Sum is shown for any item in this schedule, such amount shall govern and be included in the bid total.

Conditioned or qualified bids will be considered non-responsive.

Notice: Contract award will be made on the basis of the total adjusted basic bid.

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The bidder shall insert a unit bid price for each pay item listed below. Type or print legibly.

| Pay Item Number | Pay Item Description | Pay Unit | Quantity | Unit Bid Price | Amount Bid |
|---|---|---|---|---|---|
| ******** BASIC BID ******** | | | | | |
| 201(1) | Clearing and Grubbing | SY | 1195 | $ | $ |
| 202(2) | Removal of pavement | SY | 360 | $ | $ |
| 202(4) | Removal of Culvert Pipe | LF | 79 | $ | $ |
| 203(3) | Unclassified Excavation | CY | 2085 | $ | $ |

| Pay Item Number | Pay Item Description | Pay Unit | Quantity | Unit Bid Price | Amount Bid |
|---|---|---|---|---|---|
| ******** CONTINUE BASIC BID ******** | | | | | |
| 203(5) | Reuse Select Fill Material Type C1 | CY | 1251 | $ | $ |
| 203(5) | Borrow Select Fill Material Type C1 | CY | 506 | $ | $ |
| 204(1) | Select Fill Material Type A1 | CY | 135 | $ | $ |
| 204(2) | Shoring and Bracing Sewer and Waterline | LS | ALL REQ'D | $ | $ |
| 301(2) | Aggregate Base Course, Grading D-1 | CY | 40 | $ | $ |
| 401(1) | Hot Mix Asphalt, Type II, Class B | TON | 62 | $ | $ |
| 602(2) | Install Structural Plate Box Culvert 19'5" Span x 6'11" Rise w/ Solid Invert | LF | 94.5 | $ | $ |
| 603(10) | Install Corrugate Metal Pipe-Arch 81" x 59" | LF | 109 | $ | $ |
| 606(1) | W-Beam Guardrail | LF | 200 | $ | $ |
| 606(6) | Removing and Disposing of Guardrail | LF | 180 | $ | $ |
| 610(1) | Ditch Lining | CY | 92 | $ | $ |
| 611(1) | Riprap, Class II | CY | 264 | $ | $ |
| 618(1) | Seeding (Schedule A) | SY | 1035 | $ | $ |
| 618(3) | Water for Seeding | LS | ALL REQ'D | $ | $ |
| 620(1) | Topsoil, 4" | SY | 1035 | $ | $ |
| 621(1) | Tree (Cottonwood), Seedlings | EA | 12 | $ | $ |
| 621(1) | Tree (Spruce Trees), Seedlings | EA | 12 | $ | $ |
| 626(1) | Sanitary Sewer Conduit Insulation with Jacket on 10" Ø PVC | LF | 44 | $ | $ |

| Pay Item Number | Pay Item Description | Pay Unit | Quantity | Unit Bid Price | Amount Bid |
|---|---|---|---|---|---|
| ******** CONTINUE BASIC BID ******** | | | | | |
| 626(2) | Sanitary Sewer Bypass with 10” Diameter HDPE | LF | 225 | $ | $ |
| 627(1) | Water Conduit Insulation with Jacket on 8” Ø Duro Pipe | LF | 44 | $ | $ |
| 627(2) | Water Main Bypass with 8” Diameter HDPE | LF | 1500 | $ | $ |
| 640(1) | Mobilization & Demobilization | LS | ALL REQ’D | $ | $ |
| 641(1) | Erosion and Pollution Control Administration | LS | ALL REQ’D | $ | $ |
| 641(3) | Temporary Erosion and Pollution Control | LS | ALL REQ’D | $ | $ |
| 642(1) | Construction Surveying | LS | ALL REQ’D | $ | $ |
| 643(2) | Traffic Maintenance | LS | ALL REQ’D | $ | $ |
| 672(1) | Stream Diversion & Dewatering | LS | ALL REQ’D | $ | $ |
| 690(1) | Waterway Bed – Fine Material | CY | 76 | $ | $ |
| 690(1) | Waterway Bed – Coarse Material | CY | 167 | $ | $ |
| 690(1) | Waterway Bed – Riprap, Class II | CY | 30 | $ | $ |
| 690(4) | Vegetative Mat (3 ft Wide) | SF | 1440 | $ | $ |
| | | | | TOTAL BASIC BID | $ |

| Pay Item Number | Pay Item Description | Pay Unit | Quantity | Unit Bid Price | Amount Bid |
|---|---|---|---|---|---|
| ******** ADDITIVE ALTERNATIVE 1 ******** | | | | | |
| | | | | $ | $ |
| | | | | $ | $ |
| | | | | $ | $ |
| | | | | $ | $ |
| | | | | $ | $ |
| TOTAL ADDITIVE ALTERNATIVE 1 | | | | | $ |

| | |
|---|---|
| TOTAL BASIC BID + ADDITIVE ALTERNATIVE 1 AMOUNT | $ |