

PROJECT MANUAL
for
HAYDEN PASS EMERGENCY WATERSHED PROTECTION PROGRAM (EWP) Project

Location
Big Cottonwood Creek
Generally Along Fremont County Road 40

Fremont County, Colorado

County Contact: Fremont County Attn: Sunny Bryant, County Manager
Fremont County Administration Building
615 Macon Ave., Room 106
Cañon City, Colorado 81212

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Pre-Bid Meeting 11:00 A.M. January 7, 2019
Mandatory (Start Meeting @ Fremont County Administration Building)

Date Bids Due **2:00 P.M.** **January 17, 2019**

Construction Time: See "Time Frame" section in Invitation for Bids, Page B-2

Bonds Required 5% Bid Security
100% Payment and 100% Performance Bond

Liquidated Damages None



FREMONT COUNTY
615 Macon Avenue – Room 106
Canon City, Colorado 81212
719-276-7351
www.fremontco.com

INVITATION FOR BIDS

Hayden Pass Emergency Watershed Protection Program (EWP) Project Construction

Sealed bids and qualification statements for **Construction of the Hayden Pass Emergency Watershed Protection Program (EWP) Project** for Fremont County will be received by the Fremont County Manager, 615 Macon Avenue Room 106, Canon City, CO 81212, until **2:00 PM, January 17, 2019. Faxed or electronically submitted proposals will not be accepted.** This project is being funded through NRCS EWP and Colorado Division of Homeland Security and Emergency Management DEF funding.

A mandatory **PRE-BID MEETING will be held at 11:00 AM, January 7, 2019.** All interested firms should meet at the Fremont County Administration Building, 615 Macon Avenue Room 106, Canon City, CO 81212, at the time and date stated above. A site visit will follow the office meeting. Transportation to the project site will not be provided. Travel distance is approximately 35-miles west of Canon City, Colorado, along US Highway 50.

All questions regarding this Invitation for Bids should be directed to Sunny Bryant, Fremont County Manager, email: sunny.bryant@fremontco.com or 719-276-7351. All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this Invitation for Bids.

**Download project documents from the Fremont County Website at ww.fremontco.com
It is the responsibility of all firms to make sure that they have obtained all solicitation documents
and addenda.**

INVITATION FOR BIDS

Bids will be received by the Fremont County Board of Commissioners (herein called Owner), at the Commissioner's Office, Fremont County Administration Building, 615 Macon Ave, Room 106, Cañon City, Colorado, until **2:00 P.M.** local time, on **January 17, 2019**, for the "**Hayden Pass Emergency Watershed Protection Program (EWP) Project**", and then at said place and time, publicly opened and read aloud.

Copies of the documents for preparing and submitting BIDS may be obtained by download from the County website at www.fremontco.com.

A mandatory **PRE-BID MEETING will be held at 11:00 AM, January 7, 2019**. All interested firms should meet at the Fremont County Administration Building, 615 Macon Avenue Room 106, Canon City, CO 81212, at the time and date stated above. A site visit will follow the office meeting. Transportation to the project site will not be provided. Travel distance is approximately 35-miles west of Canon City, Colorado, along US Highway 50.

All questions regarding this Invitation for Bids should be directed to Sunny Bryant, Fremont County Manager, email: sunny.bryant@fremontco.com or 719-276-7351. All interested firms are invited to submit a proposal in accordance with the terms and conditions stated in this Invitation for Bids.

Each Bid must be submitted in a sealed envelope, addressed to the Fremont County Board of Commissioners at the above address. Each sealed envelope containing a Bid must be plainly marked on the outside as Bid for "Hayden Pass EWP Project", and the envelope should bear on the outside the name of the Bidder and his address. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed to the Fremont County Board of Commissioners, 615 Macon Ave, Room 106, Cañon City, Colorado, 81212.

All Bids must be made on the required Bid Form. All blank spaces for Bid prices must be filled in; ink or typewritten and the Bid Form must be fully completed and executed when submitted. Only one copy of the Bid Form is required. The Bid Schedule shall accompany the Bid Form and any Addenda issued during the bidding process.

The Owner may waive any informalities or minor defects or reject any and all Bids, or portions thereof. Any Bid may be withdrawn prior to the above scheduled time for the opening of Bids or authorized postponement thereof. Any Bid received after the time and date specified shall not be considered. No Bidder may withdraw a bid within 30 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the Owner and the Bidder.

Bidders must satisfy themselves of the accuracy of the Bid Schedule by examination of the site and a review of the Drawings and Specifications including any Addenda issued before or after Bids have been submitted, the Bidder shall not assert that there was a misunderstanding concerning the quantities of Work or of the nature of the Work to be done.

The Contract Documents contain the provisions required for the construction of the Project. Information obtained from an officer, agent or employee of the Owner or any other person shall not affect the risks or obligations assumed by the Contractor or relieve him from fulfilling any of the conditions of the Contract.

5% Bid security is required to accompany the bid. Performance and Payment Bonds, each in the amount of 100% of the Contract Amount are required from the successful bidder.

INFORMATION FOR BIDDERS

The successful bidder will be required to execute the Agreement and obtain the required performance and payment bonds within ten (10) calendar days from the date the Notice of Award is delivered to the Bidder. The Notice of Award shall be accompanied by the necessary Agreement. In case of failure of the Bidder to execute the Agreement, the Owner may at its option consider the Bidder in default.

The Owner within fifteen (15) days of receipt of acceptable Agreement and all required bonds, signed by the party to whom the Agreement was awarded, shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the Owner not execute the Agreement within such period, the Bidder may by Written Notice withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the Owner.

The Notice to Proceed shall be issued within ten (10) days of the execution of the Agreement by the Owner. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the Owner and Contractor. If the Notice to Proceed has not been issued within the ten (10) day period or within the period mutually agreed upon, the Contractor may terminate the Agreement without further liability on the part of either party.

The Owner may make such investigations as he deems necessary to determine the ability of the Bidder to perform the Work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Agreement and to complete the Work contemplated therein. A conditional or qualified Bid may be, but is not required to be, cause for rejection.

Award will be made to the lowest responsible, responsive, best value Bidder.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the Project shall apply to the Contract throughout. Each Bidder is responsible for inspecting the site and for reading and being thoroughly familiar with the Contract Documents.

The failure or omission of any Bidder to do any of the foregoing shall in no way relieve any Bidder from any obligation in respect to this Bid.

Each prospective Bidder must make his own interpretation of information made available through these Contract Documents and may, at his own expense, make such additional surveys and investigations as he may deem necessary to determine conditions which will affect performance of the Work. Provisions regarding Change Orders for unforeseen physical conditions will be handled in accordance with common Fremont County procurement practices.

The low Bidder shall supply the names and addresses of major material suppliers and subcontractors, when requested to do so by the Owner.

All papers bound with or attached to the Bid Forms are considered a part thereof and must not be detached or altered when the BID is submitted.

The plans, specifications and other documents designated in the bid form, will be considered a part of the bid whether attached or not.

Before submitting any Bid, the Bidder shall examine the Contract Documents, including all Addenda, and the project site and become totally familiar with each. Any inconsistencies, ambiguities, errors or omissions found in the Contract Documents or at the project site shall be brought immediately to the attention of the Owner. The submission of a Bid shall be a representation by the Bidder that he has complied with the requirements of the above paragraph.

No claim that there was any misunderstanding as to the quantities, conditions, or nature of the Work will be entertained after submission of Bids. Any question during the bidding process can be addressed to the Owner. Conditional Bids may, or may not be, accepted, at the sole discretion of the Owner.

The Bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, or by an officer of a corporation, or by an agent of the Contractor legally qualified and acceptable to the Owner. If the proposal is made by an individual, his name and post office address must be shown; by a partnership, the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each member or officer of the firms represented by the joint, venture must be shown; by a corporation, the name of the corporation and the business address of its corporate officials must be shown.

A Bidder may withdraw or revise his Bid at any time prior to the time stated herein for the opening of Bids. All modifications or withdrawals must be in writing and must arrive at the place where Bids are accepted prior to the time for the opening of Bids. A Bid modification shall not reveal the total amount of the original Bid. Modification of any Bid shall not be submitted by fax, phone, e-mail, or other electronic method. Any such submittal will be rejected.

CONTRACTOR PROJECT TEAM EXPERIENCE AND CAPABILITY TO PERFORM WORK:

Contractor can include specialty subcontractor(s) on the Project Team to increase technical experience/capability.

1. Provide five project examples completed by your Project Team in the last five years that included **some or all of the technical components listed below**. Provide a narrative of project work and key components with project photos showing completed condition of the components. Identify projects that were federally funded in part or in whole and by which funding source(s). Identify projects that involved alternative project delivery approaches (e.g., Project Partnering Process). Identify projects that used biodegradable hydraulic fluid for machines entering the river. Provide client contact information for each project (as reference) and describe the roles of individual Project Team members, including Equipment Operators, that constructed each project.
 - Large Wood (LW) structures with complex installation requiring specific log type, width, length, position (including interlocking), elevation of each piece and calculated rock ballast – installed on floodplain and in channel
 - Large Wood (LW) individual pieces (e.g., root-wad, log deflector, habitat log) – installed on floodplain and in channel
 - Small Habitat Wood (SHW) structures - installed on floodplain and in channel
 - Beaver Dam Analogs (BDA)
 - Channel shaping
 - Riffle features, including with non-linear boulder crests, emphasis on experience sorting and combining onsite or imported rock materials to produce appropriate gradation if local bed material is undersized
 - Pool-riffle grading, irregular channel shaping (i.e. no mass graded trapezoids)
 - Overflow channel, on-site material sorting for overflow channel bed material
 - Roughness diversity – in floodplain – and in channel across range of flows
 - Mid Channel Bar features
 - Bioengineered and/or biotechnical bank stabilization treatments, including LW incorporation
 - Native re-vegetation installations, including willow cuttings along toe of bank – include approach (methods, timing, etc.) to successful willow trench installations
 - Transplanting live willow clumps, cottonwoods, etc.
2. Provide the number of projects the Project Team has completed in \$500k to \$1M range; and the number of projects completed in over \$1M range
3. Provide the number of equipment operators on the Project Team with specialized riverine construction experience and list the projects they have completed.

4. Describe any Permit Violations the Project Team has received (e.g., EPA, PW, Corps of Engineers) – include the date of violation, resolution activities, and current status of violation (e.g., pending, closed).
5. Describe process(es) commonly used by Project Team to prevent transfer of aquatic invasive species between water bodies.
6. Describe Project Team’s general understanding of riverine construction; potential risks that can directly affect cost, schedule, and/or project success; proposed contractor activities to mitigate identified risks; and value engineering approaches the contractor often applies.
7. Describe the Project Team’s approach to management of specialized subcontractors, including native re-vegetation subs.
8. Describe ability to source native plant materials, list probable plant material sources. Note that willow cuttings for this project are expected to be available to be collected from on-site sources.
9. Describe approach(es) to site layout for riverine projects, interim location/elevation checks, and as-built documentation survey support, including use of GPS on equipment and/or Professional Land Surveyor (PLS).
10. Describe approach(es) to erosion and sedimentation control on riverine projects.

Three copies of the statements of experience and capability to perform the work required for this project, and supporting information, shall be provided in single sided letter size pages, without binding (staple or removable clip OK). Submittal must be suitable for scanning to send to remote reviewers. Proprietary, or private information should not be provided.

BID FORM

Hayden Pass Emergency Watershed Protection Program (EWP) Project

Proposal of _____(hereinafter
Name
called "Bidder") organized and existing under the laws of the State of Colorado, doing
business as a/an _____(Corporation, partnership or individual).

To: The Fremont County Board of Commissioners (hereinafter called "Owner").

The undersigned, in compliance with the Advertisement for Bids for the construction of the "Hayden Pass Emergency Watershed Protection Program (EWP) Project", have examined the plans and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposed to furnish all labor, materials, superintendence and supplies, and to construct the project in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this bid is a part.

The undersigned hereby agrees to commence work under this contract on or before a date to be specified in a written Notice to Proceed of the Owner and to fully complete the project within the Contract Time as stipulated in these Contract Documents. No liquidated damages are included in this project.

The plans presented herein are at a 30% design level, and are unstamped. Additional design details are in development and will be provided when available. Bidders are cautioned to verify issued addenda with the County's web site at www.fremontco.com prior to submitting bid documents. Plans are currently under review by the federal funder (NRCS). Design adjustments will be made based on NRCS comments and additional design development before contracting is finalized. A final signed and sealed set of construction documents will be provided by the Engineer prior to final contracting. The Engineer will provide a summary of changes to the construction documents to the selected contractor prior to final contracting for review.

This project is **not** designated as a design-build project. However, for many practical purposes, the Contractor will be expected to work with the Engineer to adjust the construction plan in the field in a manner similar to a design-build relationship. Certain design features are expected to be adjusted or redesigned in the field. The Engineer will work with the Contractor to ensure that any design changes can be accommodated within the available contract amount.

Time frame:

The NRCS funding deadline (i.e. the date by which construction must be completed and all invoices have been submitted) is March 31, 2019. The County will apply for a 60-day extension to this deadline. In order to apply for an extension, the County must submit a construction invoice to NRCS by mid-February. Therefore, it is required that the Contractor submit a partial-month construction invoice by February 15th (approximately) so that the County may apply for an extended construction deadline for NRCS funding. The County will work to extend this deadline by an additional 6 months by applying to the NRCS Federal office for an additional extension if the Contractor believes this would be advantageous to the project.

Method of Bid Selection:

The method of bid selection for this project will be Best Value. Best Value is defined as the Contractor that is best equipped to deliver the proposed design in the specified timeframe and with the ability to accommodate design changes within the allowed contract limit.

The undersigned acknowledges receipt of the following addenda:

The undersigned understands that the Owner reserves the right to reject any or all Bids, or portions thereof, and to waive any informality in the bidding.

The undersigned agrees to furnish all labor, materials, equipment, superintendence and supplies, and to construct the project in accordance with the Contract Documents, within the time set forth therein, and for the prices shown on the attached Bid Schedule. Bidder does not consider that any further examinations, investigations, explorations, tests or studies are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Contract Documents.

Scope of Work:

BIDDER agrees to perform all the work described in the Contract Documents for the listed price for each type of work.

No materials, additional design, or labor will be furnished by Fremont County. Contractor shall provide all materials, delivery, additional design, excavation, site preparation, construction, installation, select backfill, compaction, formwork, de-watering, erosion control measures, traffic control, required bonds, insurance, mobilization, incidentals, and project closeout requirements.

Bidder is responsible for field verification of all dimensions and site conditions prior to submitting any bid.

The work shall generally consist of providing, constructing, and installing the following, complete in place, including all appurtenances and incidentals necessary for fully functional facilities serving their intended purposes:

Project construction will involve: large volumes of earthwork to reshape floodplain, small sections of channel realignment, bank grading, installing large wood structures for floodplain roughness, installing bank protection treatments, transplanting vegetation and re-vegetation of the disturbed area and areas affected by flooding, sorting and stockpiling cobble/gravel material for grade control features and the bed of overflow channels and realigned channel segments, and removing trash and other debris from the site.

Preliminary large item quantities are as follows:

- Unclassified Excavation - Complete in Place – 9,600 CY
- Unclassified Excavation – Haul Off-site – 28,000 CY
- Unclassified Excavation - Sort Stockpile useable Boulders/Cobble/Gravel – 3,350 CY
- Unclassified Excavation – Fine Channel Grading – 2,800 CY
- Unclassified Excavation – Stockpile, Stage, and Grade Topsoil – 2,370 CY
- Large Wood – 150 pieces
- Re-vegetation – 20 acres riparian and upland vegetation.

Plans and Specifications:

Separate descriptive plans and specifications prepared by Otak, Inc., and dated December 19, 2018 are included for this project. Bidder must rely on the specifications, drawing sheets, sheet notes, bid schedule descriptions, State and Federal regulations, and manufacturer's installation instruction requirements in preparation of his bid and in performance of the construction of this project.

Site Preparation:

The job site is beside an active County road with daily traffic. Contractor must provide all traffic control, and coordinate construction activities with the Fremont County Department of Transportation (FCDOT).

Final Site Work:

Upon project completion, Contractor shall remove all construction debris and excess materials, and restore surrounding areas to as near original condition as is feasible.

BID SCHEDULE

Bidder shall insert 3 page Bid Schedule here as sheets B-4, B-5, and B-6 prior to submitting Bid Form.

The undersigned, if awarded the contract for the “Hayden Pass Emergency Watershed Protection Program (EWP) Project”, agrees to execute and submit the complete Contract within ten(10) days of the Notice of Award and further agrees to complete the work within the Contract Time as stated in these specifications and in the Notice to Proceed.

Submitted By,

(Name of Firm)

(Business Address)

(E-mail Address)

(Phone)

By: Signature

(Printed Name)

(Title)

(Date)

ATTEST:

(Notary Seal)
B-7