STATE OF COLORADO

Colorado Water Conservation Board
Department of Natural Resources
1580 Logan Street, Suite 600
Denver, Colorado 80203
Phone: (303) 866-3441
Fax: (303) 894-2578
www.cwcb.state.co.us

November 19, 2013

Elmer Ferganchick
21609 Noel Road
Eckert, CO 81415

RE: Notice to Proceed – WSRA Grant – Bonita Reservoir Dam Outlet Rehabilitation in the Gunnison River Basin

Dear Elmer,

This letter is to inform you that the purchase order to assist in the WSRA Grant project – Bonita Reservoir Dam Outlet Rehabilitation in the Gunnison River Basin was signed on November 15, 2013. The original purchase order will be mailed to you.

With the executed purchase order, you are now able to proceed with the project and invoice the State of Colorado for cost incurred through July 31, 2014. Please reference P.O. number OEPDA14IBC000005 and project name on all correspondence sent to CWCB.

Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 45 days. I wish you much success in your project.

If you have any questions or concerns regarding the project, please contact Jonathan Hernandez, Project Manager at (303) 866-3441 ext 3234.

Sincerely,

//s//

Dori Vigil, Program Assistant II
Colorado Water Conservation Board
Water Supply Planning Section
1580 Logan Street, Suite 200
Denver CO 80203
(303) 866-3441 x3250
dori.vigil@state.co.us

WATER CONSERVATION BOARD
1313 SHERMAN STREET, ROOM 721
DENVER, CO 80203

Buyer: MAGGIE VAN CLEEF
Phone Number: 303-866-3292
Agency Contact: DORI VIGIL
Phone Number: 303 866 3441

DATE: 11-14-13

IMPORTANT
The PO# and Line # must appear on all invoices, packing slips, cartons and correspondence

ACC: 11-13-13

PURCHASE ORDER
STATE OF COLORADO

P.O. # OE PDA 14IBC000005 Page# 01

State Award #

BID #

FEIN 524801167 **Phone:** 970-712-1654
Vendor Contact: ELMER FERGANCHICK
Purchase Requisition #:

VENDOR
FERGANCHICK, ELMER
21609 NOEL RD
ECKERT CO 81418

Invoice in Triplicate
To: DIVISION OF WATER CONSERVATION
1313 SHERMAN STREET, ROOM 721
DENVER, CO 80203

Payment will be made by this agency

Ship To: DIVISION OF WATER CONSERVATION
1313 SHERMAN STREET, ROOM 721
DENVER, CO 80203

Delivery/Installation Date: 07-31-14
F.O.B. DESTINATION STATE PAYS NO FREIGHT

INSTRUCTIONS TO VENDOR:

1. If for any reason, delivery of this order is delayed beyond the delivery/installation date shown, please notify the agency contact named at the top left. (Right of cancellation is reserved in instances in which timely delivery is not made.)
2. All chemicals, equipment and materials must conform to the standards required by OSHA.
3. NOTE: Additional terms and conditions on reverse side.

SPECIAL INSTRUCTIONS:

LINE ITEM	COMMODITY/ITEM CODE	UNIT OF MEASUREMENT	QUANTITY	UNIT COST	TOTAL ITEM COST
001	91843000000 CMS#60270 - WSRA GRANT - BONITA RESERVOIR DAM OUTLET REHAB IN THE GUNNISON RIVER BASIN				$54,285.00

DOCUMENT TOTAL = $54,285.00

THIS PO IS ISSUED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS
This PO is effective on the date signed by the authorized individual.
EPSPO PAA

FOR THE STATE OF COLORADO

Authorized Signature

11/15/13
Date

DP-01 (R-02/06)

Exhibit A

Statement of Work

WATER ACTIVITY NAME - Bonita Reservoir Dam Outlet Pipe Rehabilitation

GRANT RECIPIENT – Elmer L Ferganchick

FUNDING SOURCE – Gunnison Basin Roundtable WSRA

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to **no more than 200 words**; this will be used to inform reviewers and the public about your proposal)

The Bonita Reservoir Dam outlet pipe consists of a 12" dia riveted steel pipe which has deteriorated to the point that it is leaking near the connection between the pipe and the intake structure. Due to safety concerns, the Colorado State Engineer's Office has placed a zero-storage restriction on the reservoir. This project is intended to restore the outlet to a safe operating condition so that the restriction can be lifted. The work generally consists of two parts. The first is placement of an internal liner by use of the Cured-in-Place Pipe method. The second part will be to mitigate possible erosion of soil along the exterior of the pipe by installation of a filter drain at the downstream end of the pipe. It is hoped that the work can be completed in 2013. See Figures 1 and 2 attached for location and service area maps.

OBJECTIVES

List the objectives of the project

The purpose of the project is to address the safety issues which are the basis for the storage restriction and, subsequently obtain a lifting of the restriction.

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Engineering and Permitting

Description of Task

Investigation, permitting, design, bidding assistance, construction inspection and as-constructed documentation.

Method/Procedure

Investigations will include field surveys, geotechnical investigations, wetlands delineations and research of existing and previous documents for Bonita Reservoir as well as nearby projects for which similar work has been accomplished in the past (such as Trio Reservoir). Necessary permits will be pursued

with the Forest Service, Corps of Engineers and State of Colorado Division of Water Resources. Design drawings and specifications will be prepared and submitted to appropriate agencies for comment and approval. Construction bids will be solicited. Full-time construction inspection will be performed by the engineer. Final documentation of construction activities and modifications to the design made during construction will be prepared and submitted to the applicable agencies.

Deliverable

Deliverables will include design and investigation reports, permits, construction drawings and specifications and as-constructed documentation.

TASK 2 – Construction

Description of Task

Installation of the pipe liner and outlet filter drain.

Method/Procedure

The contractor will install a cured-in-place pipe liner using standard techniques. The liner will consist of a felt tube saturated with either polyester or epoxy resin. The liner will be inserted into the outlet by inversion using steam, water or air pressure. Thermal curing will be accomplished using steam, hot water or sufficient time at ambient temperature. During curing, the liner will be held in place against the existing pipe by means of internal pressure. Any access improvements necessary to facilitate mobilization and demobilization of equipment will be performed. A rock retaining wall located at the toe of the embankment will be removed around the outlet discharge area to allow extension of the outlet pipe prior to pipe lining. The embankment will be extended downstream by excavating and transporting material from a borrow area and placing and compacting it around the pipe. A sand filter will be placed around the outside perimeter of the pipe to protect against migration of soil due to seepage along the exterior of the pipe. The sand filter will be covered with compacted embankment.

Deliverable

The deliverable for this task will consist of the completed construction work.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the statement of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, $/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

BONITA OUTLET REPAIR COST ESTIMATE					
ITEM	UNIT COST	UNITS	NUMBER OF UNITS	TOTAL COST	APPROX GRANT DIST.
TASK 1					
Field Investigations, Design, Permitting, Bidding	$90.00	HR	80	$7,200.00	$6,128.00
Construction Inspection	$90.00	HR	60	$5,400.00	$4,596.00
Mileage	$0.55	MI	800	$440.00	$374.00
Completion Report	$90.00	HR	40	$3,600.00	$3,064.00
TASK 2					
Mobilization and Demobilization					
Lowboy with Backhoe	$135.00	HR	10	$1,350.00	$1,149.00
Lowboy with loader	$135.00	HR	10	$1,350.00	$1,149.00
Pickup with compactor	$75.00	HR	10	$750.00	$638.00
Walk-in Backhoe With Compactor	$125.00	HR	2	$250.00	$213.00
Daily Travel	$45.00	HR	10	$450.00	$383.00
Clear and Strip Borrow Area/Haul Road	$125.00	HR	1	$125.00	$106.00
Excavate Dam Embankment and Extend Pipe	$125.00	HR	2	$250.00	$213.00
Excavate and Condition Borrow Material	$125.00	HR	2	$250.00	$213.00
Haul Borrow Material	$125.00	HR	2	$250.00	$213.00
Place and Compact Embankment	$110.00	HR	10	$1,100.00	$936.00
Standby for Testing	$45.00	HR	2	$90.00	$77.00
Pipe	$200.00	LS	1	$200.00	$170.00
Furnish Diaphragm Sand	$1,300.00	LS	1	$1,300.00	$1,106.00
Install CIPP Liner	$30,000.00	LS	1	$30,000.00	$25,532.00
Modify CIPP Liner at Elbow	$45.00	HR	8	$360.00	$306.00
Reclamation, Reseed, Dressing, Cleanup	$750.00	LS	1	$750.00	$638.00
Subtotal Estimated Cost				$55,465.00	$47,204.00
15% Contingency				$8,320.00	$7,081.00
TOTAL ESTIMATED COST				$63,785.00	$54,285.00

SCHEDULE
Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

	PROJECT MONTH				
TASK ITEM:	Month 1	Month 2	Month 3	Month 4	Month 5
ENGINEERING AND PERMITTING	◄	———	►		
CONSTRUCTION		◄	———	►	
COMPLETION DOCUMENTATION				◄	——— ►

BONITA RESERVOIR DAM OUTLET PIPE REHABILITATION
SCHEDULE OF WORK ITEMS

5/1/2013

PAYMENT
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.