COLORADO
Colorado Water Conservation Board
Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

September 27, 2016

Lower Arkansas Valley Water Conservancy District
Attn: Jay Winner, General Manager
801 Swink Avenue,
Rocky Ford, CO 81067

RE: Official Notice to Proceed – WSRF Grant – **POGG1 2017-436–**
Pueblo Channel Debris Removal & Habitat Restoration Project

Dear Jay,

This letter is to inform you that the purchase order to assist in the above WSRF grant project has been approved. The emailed purchase order serves as the original contracting document.

With the executed purchase order (POGG1 2017-436) you are now able to proceed with the project and invoice the State of Colorado for costs incurred through your expiration date. Please provide the project name, PO number, and basin when corresponding with or invoicing for your project. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 30 days after review and signed approval of the project manager.

If an extension to the project is necessary, a formal letter of request must be submitted to the project manager along with a proposed completion date **30 days** prior to the current expiration date. There will be no prior notice from the CWCB contract compliance staff informing the grantee that the project is approaching its deadline, therefore the grantee must monitor the completion progress accordingly.

If you have any questions or concerns regarding the project, please contact Craig Godbout, Project Manager at 303-866-3441 x3210 or at craig.godbout@state.co.us. You can contact me at 303-866-3441 ext. 3250 for invoicing and payment disbursement questions.

Thank you.

Sincerely,

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwcb.state.co.com

Attachments

STATE OF COLORADO
Department of Natural Resources

ORDER
Number: POGG1 PDAA 201700000439
Date: 09/27/16
Description:
PDAA 2500 WSRF LAVWCD - PUEBLO CHANNEL DEBRIS REMOVE
Effective Date: 09/28/16 Expiration Date: 07/31/17

BUYER
Buyer:
Email:

VENDOR
LOWER ARKANSAS VALLEY WATR CNSRVNCY
801 SWINK AVE
ROCKY FORD, CO 81067-1237

Contact: J.Winner
Phone: .

**** IMPORTANT ****
The order number and line number must appear on all invoices, packing slips, cartons and correspondence

BILL TO
COLORADO WATER BOARD CONSERVATION
1313 SHERMAN STREET, ROOM 718
DENVER, CO 80203

SHIP TO
COLORADO WATER BOARD CONSERVATION
1313 SHERMAN STREET, ROOM 718
DENVER, CO 80203

SHIPPING INSTRUCTIONS
Delivery/Install Date:
F.O.B: FOB Dest, Freight Allowed
VENDOR INSTRUCTIONS:

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	$5,000.00	☐

Description: PDAA 2500 WSRF LAVWCD - PUEBLO CHANNEL DEBRIS REMOVE

Service From: 09/28/16 Service To: 07/31/17

TERMS AND CONDITIONS
https://www.colorado.gov/osc/purchase-order-terms-conditions

DOCUMENT TOTAL = $5,000.00

The above statements are true to the best of my knowledge:

Signature of Applicant:

Print Applicant's Name: Jay Winner, General Manager

Project Title: Pueblo Channel Debris Removal and Habitat Restoration Project

Return an electronic version (hardcopy may also be submitted) of this application to:

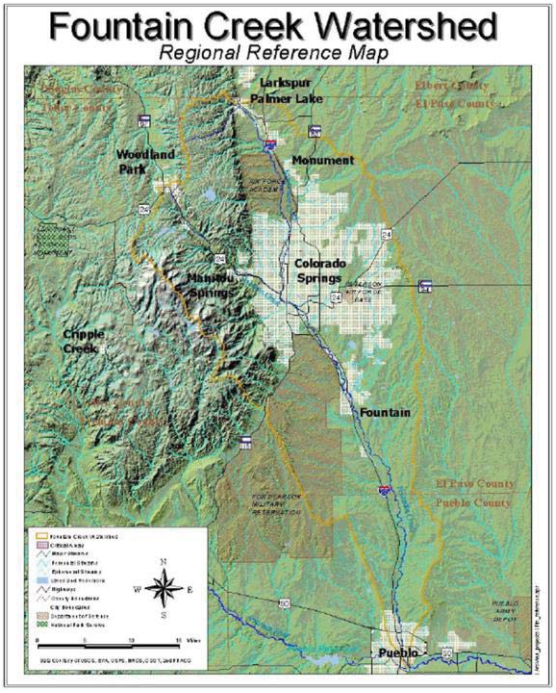
Craig Godbout – WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
303-866-3441, ext. 3210 (office)
303-547-8061 (cell)
craig.godbout@state.co.us

Exhibit A: Statement of Work

WATER ACTIVITY NAME – Pueblo Channel Debris Removal and Habitat Restoration Project

GRANT RECIPIENTS – Pueblo County; Fountain Creek Watershed, Flood Control and Greenway District, and; Lower Arkansas Valley Water Conservancy District. ***FISCAL AGENT:*** Lower Arkansas Water Conservancy District Enterprise

FUNDING SOURCE – Water Supply Reserve Account: $5,000; ***Matching Funds:*** Pueblo County - $100,000; Fountain Creek Watershed, Flood Control and Greenway District - $50,000, and Lower Arkansas Valley Water Conservancy District - $100,000. **Total Budget: $255,000**

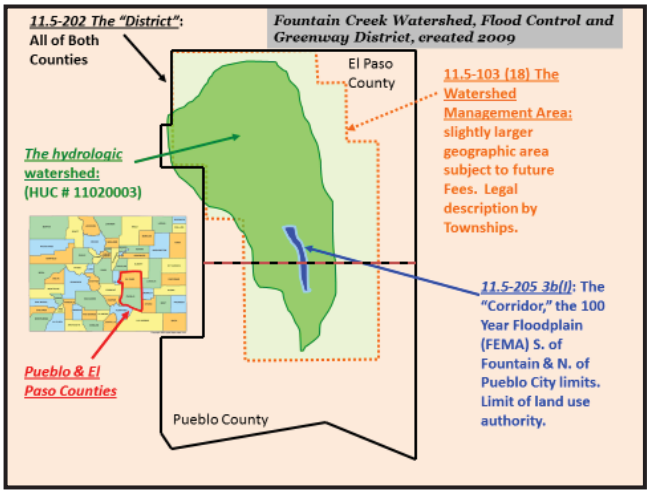


INTRODUCTION AND BACKGROUND

The Fountain Creek Watershed (HUC #11020003) transects an elevation change from 14,110' to just above 4,000' as the stream flows through the City of Pueblo, Colorado. The combination of substantial forest fires in 2012 and 2013 in the upper reaches of the watershed and a series of hydrologically wet years in 2013 and 2015 have resulted in an extraordinary deposition of debris in the Fountain Creek channel just above the confluence with the Arkansas River. The deposited

debris not only impacts aquatic habitat within the corridor but may also represent a hazard to public safety. A rain event of any significance upstream of the channel may cause debris dams, debris piling up against transportation structures and localized flooding out of proportion to the precipitation event.

The Fountain Creek Watershed, Flood Control and Greenway District (the "District") was formed by the Colorado General Assembly in 2009 to mitigate the impacts of changes to hydrology upstream on Fountain Creek's reaches on the channel downstream. While the District is studying and promulgating strategies for mitigation in the long-term, limited resources are available to address the more immediate consequences of recent catastrophic events such as fire and flood. This grant request brings several local agencies together to support the removal and appropriate disposition of the flood-borne debris field with the goal of improving and restoring the channel without modifying the fluvial morphology of the channel itself.



OBJECTIVES

The objectives are as follows:

- Objective 1 – Coordinate the debris removal/habitat restoration activity with interested agencies, including procurement of a U.S. Army Corps of Engineers ("COE") Nationwide Permit #27, *Aquatic Habitat Restoration, Establishment and Enhancement Activities.*

- Objective 2 –Removal of flood-placed debris, trash and other foreign matter currently residing in the stream channel and banks of Fountain Creek between the Highway 47 bridge (north) downstream to approximately 8th Street (south) in Pueblo, Colorado, resulting in restored aquatic habitat and increased public safety.

- Objective 3 – Manage the project through construction to completion, with a final report submitted to funding and permitting agencies.

TASKS

There are three tasks as follows:

TASK 1 – Coordination with Permitting & Interested Agencies

Description of Task

This task is integral with the Task #3, Project Management, but is stated as a separate task since the coordination may be limited or extensive. The current proposed schedule of work is likely to require limited permitting.

Method/Procedure
Telephone calls, face-to-face meetings, e-mails and other correspondence.

Deliverable
At a minimum, this task deliverable likely consists of issuance of a COE 404 Nationwide Permit #27 and verbal acknowledgement by engaged entities that the project construction can and should proceed as contemplated.

TASK 2 – Removal/Disposition of Debris in the Channel and Stream Banks

Subtask A: Remove Debris from Channel and Stream Banks
The depositional material, tree trunks, stumps, waste debris like tires, yard waste or other foreign material, will require a variety of construction equipment in order to remove that material from the stream channel. In addition, there may be islands infested with invasive species which, under the direction of permitting agencies, are candidates for removal without excavation in the channel.

Method/Procedure
One potential method of removal of the debris is by "drag line," an established construction method for water resource development with a long history in the Arkansas River basin. A drag line can remove debris without placing the entire piece of equipment into the channel. Other types of construction equipment will be required, particularly if the execution of the project includes transporting material to a landfill or other location offsite. See Subtask B

Deliverable
Using photography and documentation from site visits, the project will deliver a "before and after" cleanup of the stream channel in the final report. The aesthetic and public safety improvements, while valid deliverables, will be more difficult to chronicle.

Subtask B: Evaluation, Transportation & Disposition of Materials
The permitting process will guide the extent and methodology for permanent disposition of the debris.

Method/Procedure
The first step in disposition is an evaluation of the types material. Wood products, trash and especially tires may require various dispositional methods. The more material that can be disposed of on site will increase the overall scale of the project.

Deliverable
The objective is to efficiently dispose of the foreign matter in an environmentally prudent manner. The deliverable will be project progress reports and a final report documenting such disposition.

Subtask C: Related Expenses for Disposition

The permitting process will help define the range of potential disposition methods. There is the possibility that some debris may require removal to a toxic land fill. If so, third party expertise will be engaged to validate the identification and disposition of that material.

Method/Procedure
Identify qualified agencies or vendors to provide this service. Manage the vendor to completion of the project.

Deliverable
If required, the vendor will provide documentation of appropriate disposal. The final report will describe this activity (if required).

Subtask D: Sediment Control & Land Restoration as Appropriate
The permitting process will help identify areas where sediment and erosion controls are necessary to mitigate the impacts of the project activity. Where appropriate, land restoration methods, like soil erosion blanket for exposed banks, will be applied.

Method/Procedure
The project will employ Best Management Practices for these activities at the direction of the permitting entities.

Deliverable
Completed Best Management Practices on a case-by-case basis.

TASK 3 – Project Management

Description of Task
This task provides permitting, contracting, pre-construction, on-site and post construction oversight of the project activity.

Method/Procedure
Prior to construction start, with Task #1 completed, the designated project manager will have a minimum of one on-site, pre-construction meeting with the contractor. Details of schedule, activity, manpower and inclement weather alternatives will be discussed. Project management includes allocation of contingency funding where required, based on interaction with the project partners.

During the construction activity, the project manager will visit the site regularly, via both scheduled and unscheduled site visits. As each stage of construction is completed, the project manager will coordinate with the interested agencies to affirm appropriate post-construction conditions.

Deliverable
Project completion on time and on budget.

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.).

Anticipated budget tables for the Project are provided below. These tasks correspond to those identified above.

Pueblo Channel Debris Removal and Habitat Restoration Project							
Budget							
	Task 1	Task 2				Task 3	Total
	Coordination with Permitting & Interested Agencies	A. Remove Debris from Channel & Stream Banks	B. Evaluation, Transportation & Disposition of Materials	C. Related Expenses for Disposition (Testing)	D. Sediment Control & Land Restoration as Appropriate	Project Management & Final Report	Cost
Project Costs (Phase 1)							
Project Manager	$2,000	$2,000	$2,000	$2,000	$2,000	$3,000	$11,000
Contractor Bid (Estimate)		$155,000	$20,000	$3,500	$15,000		$193,500
Contingency for Construction							$30,000
							$234,500
Direct Cost	Task 1	Task 2				Task 3	Total
Fees for Land Fill	$0	$0	$7,500	$0	$0	$0	$7,500
Fees for Toxic Land Fill			$7,500	$0			$7,500
Travel Costs ($.56/mile)	$560	$560	$560	$560	$560	$0	$2,800
Lodging & Per Diem	$0	$0	$0	$900	$1,800	$0	$2,700
Total Direct Expenses	$560	$560	$560	$1,460	$2,360	$0	$20,500
Project Rates						TOTAL:	$255,000
Project Manager	Mileage		As a % of Total		Matching Funds		$250,000
$145/hour	$.56/mile	Contingency	11.8%		WSRA Grant Request		$5,000
					PROJECT COST TOTAL:		$255,000

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.

Pueblo Channel Debris Removal and Habitat Restoration Project					
Schedule	NTP+30 Days	NTP+60 Days	NTP+90 Days	NTP + 300 DAYS	
Task 1 Coordinate with Agencies					
Task 2 Removal of Debris/Restoration					
Task 3 Project Management & Final Report					