



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

October 6, 2017

Big Stick Ditch Company
Attn: Guy Stees, President
3938 County Road 122
Hesperus, CO 81326

RE: Notice to Proceed – WSRF Grant – PO 2018-416 Big Stick Ditch Co – Lightner Creek Canal Improvement & Water Efficiency Project in the Southwest Basin

Dear Guy,

This letter is to inform you that the grant request to assist in the above WSRF grant project has been approved. The attachments serve as your original contracting documents.

With the executed purchase order you are now able to proceed with the project and invoice the State of Colorado for costs incurred through October 1, 2022. Please note that we have modified the agreement expiration date to a 5-year maximum grant term. This will not only allow you additional time to complete the project if needed, but also avoids the amendment process any time during the project. Although this is extremely helpful for both parties, it is encouraged that the grantee follows the original schedule set forth before the Board upon its original approval.

Please provide the project name, POGGI 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. The current WSRF Criteria & Guidelines located on our website details the six month progress report and final deliverable requirements in order to avoid a delay in payment.

If you have any questions or concerns regarding the project, please contact Megan Holcomb, Project Manager at 303-866-3441 ext. 3222 or at Megan.Holcomb@state.co.us. Please send the 6 month progress reports and invoices directly to Megan and cc me at Dori.vigil@state.co.us.

You can contact me at 303-866-3441 ext. 3250 for additional invoicing and payment disbursement questions.

Thank you.

Sincerely,

//s//

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





STATE OF COLORADO
Department of Natural Resources

ORDER		** IMPORTANT **				
Number: POGG1 PDAA 201800000415		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 10/06/17						
Description: PDAA 2500 WSRF LIGHTNER CREEK CANAL IMPROVE & EFFICIENCY		BILL TO COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Effective Date: 10/06/17 Expiration Date: 10/01/22						
BUYER		SHIP TO				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
VENDOR		SHIPPING INSTRUCTIONS				
BIG STICK DITCH COMPANY		Delivery/Install Date:				
3938 COUNTY ROAD 122		F.O.B: FOB Dest, Freight Allowed				
HESPERUS, CO 81326		VENDOR INSTRUCTIONS:				
Contact: .						
Phone: .						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$30,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF Lightner Creek Canal Improve & Efficiency						
Service From: 10/06/17 Service To: 10/01/22						
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						
DOCUMENT TOTAL = \$30,000.00						

Exhibit A
Statement of Work - UPDATED 10/5/17

WATER ACTIVITY NAME

Lightner Creek Canal Improvement and Water Efficiency Project

GRANT RECIPIENT

Big Stick Ditch Company

FUNDING SOURCE

Basin Water Supply Reserve Account

INTRODUCTION AND BACKGROUND

The Lightner Creek Canal is an earthen ditch with an absolute water right of ten cubic feet per second (cfs) for irrigation of 4,968 acres, domestic and storage uses (Priority No. 1966-60A). This delivery system experiences significant losses (greater than 70 percent) due to seepage.

The Big Stick Ditch Company proposes cleaning and re-grading the Lightner Creek Canal within its existing right of way from the Sawmill Canyon headgate to the La Plata River and line sections of the canal with soil amendments of bentonite and lime with the existing clay soils on the ditch bottom and sides to help prevent seepage losses. In addition, portions of the ditch traveling through gravel and fractured rock will be treated with sac-crete to prevent further seepage. Five culvert pipes with hand-wheel controlled gates will be installed along the ditch to allow it to be drained during the winter months, helping to prevent ditch backup and erosion.

The proposed work is on the list of identified projects and processes (IPP) for the Multi-Basin and the La Plata River (LPR) Basins, outlined in the Southwest Basin Roundtable Implementation Plan (BIP), dated 04/17/2015: Proposed IPP 4-MB and 15-LaP. 4-MB includes ditch company improvements and efficiency projects to upgrade ditches for the purpose of water conservation and 15-LaP includes La Plata River ditch lining projects that would increase efficiency and existing infrastructure to conserve water used for irrigation. The proposed work will benefit irrigators of the Big Stick Ditch by providing additional water to their limited supplies, as well as benefit the LPR wildlife and river.

OBJECTIVES

It is expected that the proposed work will:

- 1) Increase efficiency of water delivery.
- 2) Conserve water.
- 3) Help to support native fish species and LPR wildlife.

TASKS

Task 1: Cleaning, repairing, and lining sections of the Lightner Creek Canal for approximately two miles.

Description:

- Clean and re-grade the Lightner Creek Canal.

Method:

- The contractor will use a dozer, backhoe, and excavator to remove excessive vegetation from the ditch bottom and sides.
- The contractor will use a dozer, backhoe, and excavator to grade and shape the ditch for approximately two miles.
- The heavy equipment will be used to loosen the soils to incorporate a ratio as necessary of bentonite and lime.
- Portions of the ditch traveling through gravel and fractured rock will be treated with sac-crete to prevent further seepage.

Deliverables:

- Complete approximately two miles of ditch cleaning, repairing, and lining.

Task 2: Install five culvert pipes with hand-wheel controlled gates.

Description:

- Five culvert pipes with hand-wheel controlled gates will be installed along the ditch to allow it to be drained during the winter months, helping to prevent ditch backup and erosion.

Method:

- The contractor will use a dozer, backhoe, and excavator to grade and shape area of ditch that the culvert pipes will be installed.
- Culvert pipes and headgates will be installed according to manufacturer recommendations, including bedding and compacting soils.

Deliverables:

- Complete installation of five culvert pipes and headgates.

Task 3: Surveying and grade staking.

Description:

- The contractor will survey and stake the Lightner Creek Canal to grade to ensure elevation proper alignment of ditch.

Method:

- The contractor will use survey equipment to accurately define elevation of ditch.
- The contractor will stake within the project area work needed to be completed.

Deliverables:

- Complete survey and grade staking of the Lightner Creek Ditch.

BUDGET

The proposed tasks will be completed by the selected Big Stick Ditch Company's contractor.

The Big Stick Big Company Board of Directors will oversee the work. In-kind contributions include the Big Stick Ditch Company, contractor Tony Meador, and surveyor Jeff Helmer. Qualifications of key personnel are available upon request.

Table 1. Lightner Creek Canal Improvements Total Costs

Item	Description	WSRF Funding	SWCD Funding	Matching Funds	Total Costs
Task 1	Cleaning, repairing, and lining sections of the Lightner Creek Canal	\$30,000	\$17,000	\$21,900	\$68,900
Task 2	Installing pipe and gates	-	\$10,000	-	\$10,000
Task 3	Surveying and grade staking	-	\$3,000	\$2,200	\$5,200
Task 4	Project Management	-	-	\$6,000	\$6,000
Total Costs		\$30,000	\$30,000	\$30,100	\$90,100
Note: Matching funds includes \$11,900 from Big Stick Ditch Company and in-kind contributions of \$10,000 from contractor Tony Meador, \$2,200 from surveyor Jeff Helmer, and \$6,000 from Big Stick Ditch Company Board members for project management and oversight.					

Table 2. Schedule

Task	Start Date	Finish Date
1. Cleaning, repairing, and lining sections of the Lightner Creek Canal	October 6, 2017	October 31, 2018
2. Installing pipe and gates	October 6, 2017	October 31, 2018
3. Surveying and grade staking	October 6, 2017	October 31, 2018
4. Project Management	October 6, 2017	October 31, 2018
Total Project	October 6, 2017	October 31, 2018

ONE YEAR TERM