COLORADO
Colorado Water Conservation Board
Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

WSRF Grant – Arkansas-Cottonwood Irrigation
Ditch #2 Project
POGG1 2020-2979

April 1, 2020

St. Charles Mesa Water District
Attn: David Simpson, District Manager
1397 S. Aspen Road
Pueblo, CO 81006

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your request for funding for your project pursuant to the WSRF Grant Program ("Program"). This letter authorizes you to proceed with the Cottonwood Irrigation Ditch #2 Project ("Project") in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, St. Charles Mesa Water District, agree by accepting the Grant Funds.

If you have any questions or concerns regarding the project, please contact Craig Godbout, Project Manager at 303-866-3441 or at Craig.Godbout@state.co.us. Please send all grant correspondence directly to the project manager and cc me on your invoice billing requests.

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.us

Cc: Gracy Goodwin, Project Manager

STATE OF COLORADO

Department of Natural Resources

ORDER

Number: POGG1,PDAA,202000002979

Date: 3/31/20

Description:

WSRF CMS# 160297 St. CharlesCottonwood Irrig.Ditch2 Headgate

Effective Date: 05/01/20

Expiration Date: 12/31/22

BUYER

Buyer:

Email:

VENDOR

ST CHARLES MESA WATER DISTRICT
1397 S ASPEN RD
PUEBLO, CO 81006-1697

Contact: David Simpson

Phone: 719-542-4380

*****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: -

FOB: FOB Dest, Freight Allowed

VENDOR INSTRUCTIONS

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	$10,040.00	☐

Description: WSRF CMS# 160297 St. CharlesCottonwood Irrig.Ditch2 Headgate

Service From: 05/01/20 Service To: 12/31/22

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	$100,400.00	☐

Description: WSRF CMS# 160297 St. CharlesCottonwood Irrig.Ditch2 Headgate

Service From: 05/01/20 Service To: 12/31/22

TERMS AND CONDITIONS

https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions

STATE OF COLORADO

Department of Natural Resources

DOCUMENT TOTAL = $110,440.00

Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
Exhibit A - Statement of Work	
Date:	March 27, 2020
Water Activity Name:	Cottonwood Irrigation Ditch #2 Headgate/ Augmentation Station Project
Grant Recipient:	St. Charles Mesa Water District
Funding Source:	WSRF- Statewide Account and Arkansas Basin Account

Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.

The WSRF funds would be used for the Cottonwood Irrigating Ditch #2 (CID2) Diversion headgate and Parshall flume repair/replacement, along with the addition of a new telemetry station. Erosion has occurred around the headgate diversion structure on Cottonwood Creek causing it to move and lift during the winter months and resulting in St. Charles Mesa Water District (SCMWD) not being able to receive their full decreed diversion during certain months of the year. These infrastructure repairs will allow for more efficient water delivery of their full decreed 3.8 cfs through the flume. The CID2 water right accounts for nearly 50% of their municipal water supply.

Details of the infrastructure project include re-establishing the headgate in Cottonwood Creek, which requires the setting of a precast headwall and installation of a new gate. To help stabilize and prevent dislodging of the headgate, onsite riprap will be grouted. Replacement of the Parshall flume is necessary, along with installation of a mass concrete foundation to stabilize against movement.

To effectively measure and quantify diversions being ushered to the Bessemer Ditch for use in the St. Charles Mesa water treatment facility, a remote telemetry station will be installed. This final element of the proposed water activity will help maintain the diversion and account for available beneficial uses on Cottonwood Creek. In an effort of efficiency savings Upper Arkansas Water Conservancy District (UAWCD) will also utilize the telemetry station to measure UAWCD's Cottonwood Irrigating Ditch water for augmentation of structures on Cottonwood Creek and will not have to build their own augmentation station in a similar area on that reach. The collaboration of UAWCD with SCMWD will increase the beneficial uses of water on Cottonwood Creek through the utilization of the water districts augmentation plan.

Objectives: (List the objectives of the project)

The objectives of this project would be:

- Replacement and upgrade of aging infrastructure
- Improving the overall engineering soundness, stability, and efficiency of the structures
- More efficient and better water delivery for M&I and Augmentation
- The telemetry station will more accurately measure and quantify the diversion
- Safer fish passage by reducing the unstable rip rap

Last Update: January 9, 2018

Tasks

Provide a detailed description of each task using the following format:

Task 1 – Construction

Description of Task:

The beginning of this task is to finalize the engineering design and survey the creek and flume. Before construction begins the area needs to be cleared of all debris and have a clear point of access so all the equipment and materials can to be mobilized and staged at the site.

Then they will focus on the channel work on the south side of the creek. It will entail redirecting the water away from the south side with bulk bags to dry up the construction area, followed by excavation and removal of the existing headgate and flume. Concrete foundations will be poured and finished for the new headwall/headgate/flume which will stabilize against movement. Next, is the installation and grouting of the riprap thereby ensuring the diversion as a whole is more secure.

Once the south side is complete, they will move to the channel work on the north side of the creek. It will require bulk bags to redirect the water to the south side. Some excavation work will need to be done for sorting and clearing riprap before grouting it and tying the riprap into the bank.

After construction is complete the site needs to be restored to its natural state and all equipment and materials removed.

Method/Procedure:

- Engineering design/Survey/Mobilization/Site Prep
- Excavation and the removal of the existing headgate
- Excavation and removal of the existing flume and measuring equipment
- Right (South)- Channel Work Including Grouted Riprap, New Headwall, and Flume Stabilization
- Re-install flume and measuring equipment
- Left (North) Channel Work Including Grouted Riprap
- Site Restoration and demobilization of equipment
- Preservation of floodwall and protection of fish passage

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

A new cast-in-place headwall and new headgate installed with surrounding grouted riprap for overall stabilization, as well as a new concrete foundation for the Parshall flume. The creek access restored to its natural state without any commercial debris left behind.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

This task will be documented in a progress report and final report with accompanying photos of successful installation. This task will be reflected in the WSRF State/Basin budget and invoices will be submitted to CWCB for reimbursement.

Tasks
Provide a detailed description of each task using the following format:
Task 2 – Telemetry Station - Equipment & Installation
Description of Task:
Data collection equipment is needed to properly monitor and measure the diversion on a consistent and reliable basis. A telemetry station will be constructed and programmed to deliver automated measurements to determine the appropriate diversion. This station will provide efficiency and reliability to properly administer St. Charles Mesa's water requirements.
Method/Procedure:

- Order all needed equipment
- Installation & Verification of all equipment and programing
  o DCP Equipment Verification and Programing
  o Mast
  o Grounding Equipment
  o Housing
  o Solar Power system
  o Staff Gage
  o Relay Station
- Verification of telemetry station properly reporting to UAWCD database

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
- Successful installation, verification, and programming complete - Off-site data backup at multiple locations, UAWCD, NOAA DCS, USGS EDDN, NESDIS - Prevention of data gaps from debris interference or tampering of gaging and diversion systems
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
This task will be documented in a progress report and final report with accompanying photos of successful installation. This task will be reflected in the WSRF State/Basin budget and invoices will be submitted to CWCB for reimbursement.

Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 3 – Project Management and Grant Administration
Description of Task:
Project Management will be provided by Gracy Goodwin, Project Manager for the Upper Arkansas Water Conservancy District. The Project Manager will be responsible for task management, communication, and be the project facilitator. The Project Manager will serve as the primary point of contact and will provide coordination between all parties. Gracy Goodwin will also act as the grant administer and will oversee the grant management and documentation of deliverables.
Method/Procedure:
Project Management - Task Management - Communication & Scheduling - Documenting Project Progress (Photos, Site Visits, etc.) - Project Contact and Facilitator Grant Management - Progress Reports, Invoicing, Reimbursements
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Successful task management. On time reporting, time management and successful project completion.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Successful project completion on time and on budget. Project Management will be documented in all progress reports and will be reflected in the matching budget. Grant management will provide a final report to the CWCB with all documentation and supporting materials. Invoicing for this task will be reflected in the matching budget.

Last Update: January 9, 2018

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status 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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:
(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.
(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.
(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.
(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

Last Update: May 19, 2017

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

Exhibit A - BUDGET AND SCHEDULE

Date: March 27, 2020

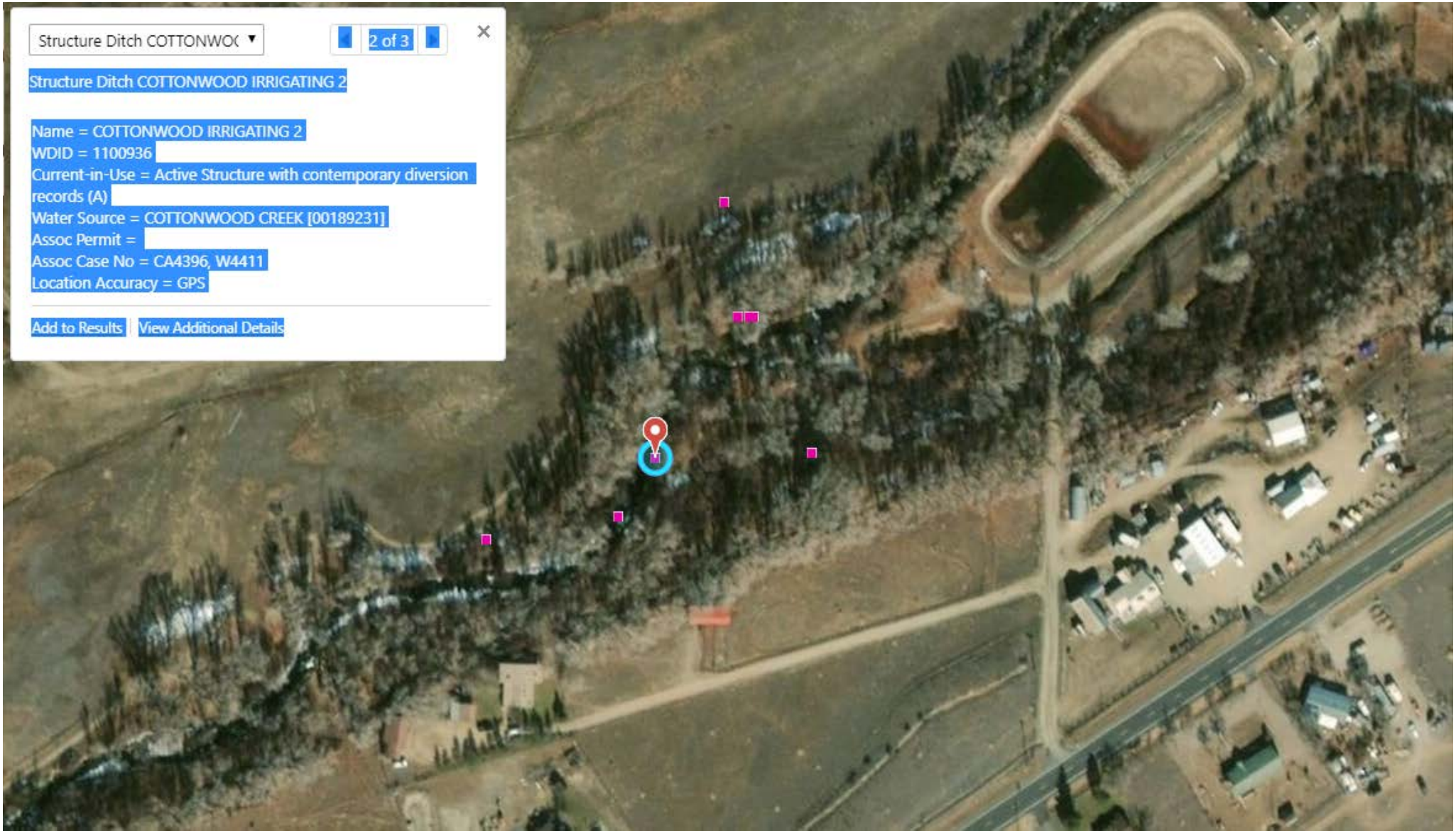
Water Activity Name: Cottonwood Irrigation Ditch #2 Headgate/Augmentation Station Project

Grantee Name: St. Charles Mesa Water District

Task No.	Description	Start Date	End Date	Matching Funds (cash & in-kind)	WSRF Funds (Basin & Statewide combined)	Total
1	Construction	May 1, 2020	Dec, 31, 2022	$56,560	$103,445	$160,005
2	Telemetry Station-Equipment/Installation	May 1, 2020	Dec, 31, 2022	$7,000	$6,995	$13,995
3	Project Management/Grant Management	May 1, 2020	Dec, 31, 2022	$10,000	$0	$10,000
						$0
						$0
						$0
						$0
						$0
			Total	$73,560	$110,440	$184,000
			Percent of Total Project Costs (CWCB Reimbursement Rate)	40%	60%	100%

Round values up to the nearest hundred dollars.

CWCB will withhold the last 10% of the entire grant budget until the Final Report (Deliverable) is completed and accepted (2016 WSRF Criteria & Guidelines).
Additonally, the applicant shall provide a progress repost every 6 months, beginning from the date of contract execution


Structure Ditch COTTONWO(
2 of 3
Structure Ditch COTTONWOOD IRRIGATING 2
Name = COTTONWOOD IRRIGATING 2
WDID = 1100936
Current-in-Use = Active Structure with contemporary diversion records (A)
Water Source = COTTONWOOD CREEK [00189231]
Assoc Permit =
Assoc Case No = CA4396, W4411
Location Accuracy = GPS
Add to Results
View Additional Details