



Rio Grande Basin – Terrace Reservoir,
Outlet Works Inspection & Repair Analysis Phase I
Contract CORE No. POGG1 2019-31
CMS #

June 21, 2018

Terrace Irrigation Company, Inc.
Attn: Virginia Christensen, Board Member
Attn: Kay Harmon, Bookkeeper
P.O. Box 109
Monte Vista, CO 80301

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your application for funding pursuant to the WSRF Grant Program (“Program”) in the amount of \$15,000.00. This letter authorizes you to proceed with the Terrace Reservoir, Outlet Works Inspection & Repair Analysis Phase I 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, Terrace Irrigation Company, Inc., agree by accepting the Grant Funds.

The WSRF Criteria & Guidelines can be located on our website for additional information.

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

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

Attachments



STATE OF COLORADO
Department of Natural Resources

Page 1 of 1

ORDER

*****IMPORTANT*****

Number: POGG1,PDAA,201900000031

Date: 6/21/18

Description:

PDAA 2500 TERRACE RESERVR IRRIG INSPECT
& REPAIR ANALY PH1

Effective Date: 07/01/18

Expiration Date: 06/30/19

The order number and line number must appear on all invoices, packing slips, cartons, and correspondence. Please review each line for its corresponding shipping/billing address and delivery instructions.

BUYER

Buyer:

Email:

VENDOR

TERRACE IRRIGATION COMPANY INC
PO BOX 109
MONTE VISTA, CO 81144-0109

Contact: .

Phone: .

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$15,000.00	<input type="checkbox"/>
Description:	PDAA 2500 TERRACE RESERVR IRRIG INSPECT & REPAIR ANALY PH1					

Service From: 07/01/18

Service To: 06/30/19

Delivery Instructions

FOB: FOB Dest, Freight Allowed

Delivery Date: -

Ship To:

Bill To:

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

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

TERMS AND CONDITIONS

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

DOCUMENT TOTAL = \$15,000.00



Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	3/1/2018
Water Activity Name:	Terrace Reservoir Outlet Works Inspection and Repair Analysis
Grant Recipient:	Terrace Irrigation Company, Inc.
Funding Source:	Rio Grande Basin Roundtable, Alamosa/La Jara Water Conservancy District, Terrace Irrigation Company, Inc.
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.)	
<p>Terrace Reservoir, Outlet Works Inspection and Repair Analysis</p> <p>Need for Inspection of the steel outlet works pipes within the outlet works tunnel at Terrace Reservoir:</p> <p>The October 23, 2017 State Engineer's inspection report described that heavy corrosion was observed in the existing 48-inch diameter steel outlet pipe. The report also stated that, based on ultrasonic testing performed by Water Works Irrigation for Terrace Irrigation Company, the pipe has substantially deteriorated since it was installed.</p> <p>An engineering firm will be hired to perform an inspection of the existing outlet works pipe and prepare a report describing conceptual alternatives to mitigate the corrosion. Project Funds will be used to pay the engineering firm.</p> <p>Observations of the outlet works pipe will be documented.</p> <p>An Outlet Works Alternative Analysis of Repairs will be developed. Up to three concept alternatives to repair the pipe corrosion will be provided. Concept construction costs for the three alternatives will be provided for comparison purposes. The concepts will help form a basis for planning and future work. The alternatives and costs will be summarized in a letter report.</p>	
Objectives: (List the objectives of the project)	
<p>Obtain an inspection of the outlet work's steel conduit by an engineering firm specializing in dam and reservoir pipeline works</p> <p>Obtain an Observation Report and Recommendations for mitigation or repair.</p>	



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 1 - (Name) Task 1 - Outlet Works Steel Pipe Inspection
Description of Task: Terrace Reservoir personnel and engineers, will meet at the reservoir site, gain access to the tunnel and conduct a visual inspection of the steel conduit in the outlet tunnel.
Method/Procedure: Engineers and Reservoir personnel will walk the length of the 300 ft pipeline for the purpose of the on-site visual inspection. More NDT testing will not be performed at this time. The engineering firm will provide an air monitor to follow confined space entry procedures. The inspection will be coordinated with the SEO.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Inspection Letter describing findings.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) same



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 2 - (Name) Outlet Works Alternative Analysis of Repairs and Letter Report
Description of Task: Findings and Recommendations
Engineering Firm will prepare a report describing alternatives for repair or mitigation of pipe corrosion. These concepts will help form a basis for planning and future work.
Method/Procedure:
Engineering Firm will prepare a report describing alternatives for repair or mitigation of pipe corrosion. These concepts will help form a basis for planning and future work.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
An Engineers Observation Report and Recommendations.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Same

Repeat for Task 3, Task 4, Task 5, etc.



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



Last Update: January 9, 2018

Reporting Requirements

Agreement.



Water Supply Reserve Fund

Date: March 1, 2018

Grantee Name: Terrace Irrigation Company, Inc.

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(3) Round values up to the nearest hundred dollars.

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

- Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution
- Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.