

Colorado Water Conservation Board

Water Plan Grant – Statement of Work – Exhibit A

Statement Of Work

Date:	5/23/2023
Name of Grantee:	Handy Ditch Company
Name of Water Project:	Welch Expansion Feasibility Study
Funding Source:	Water Storage and Supply

Water Project Overview:

This project consists of conducting a feasibility study to create a design for a dam raise at Welch Reservoir. The Grantee's engineering consultant will evaluate raising the dam crest and spillway to increase the safe storage capacity of the reservoir. Additional storage at Welch Reservoir would benefit multiple sectors including agriculture, municipal and industrial users.

Project Objectives:

The Grantee will determine the following information as part of the feasibility study:

- Enlarged reservoir firm yield
- Proposed maximum water surface elevation
- Proposed design for dam raise and property protection
- Engineer's cost estimate for construction
- Funding sources for construction
- Users of additional water storage space

Tasks
Task 1 – Feasibility Study
Description of Task:
<p>The Grantee and Grantee’s consultant will accomplish these items listed above by completing the following:</p> <ul style="list-style-type: none"> • Conceptual Design • Hydrologic and Hydraulic (H&H) Study • The Grantee’s consultant will hire a consultant to complete a Geotechnical Study • Engineering Design • Preparation of Construction Documents • Permitting • Reporting and Construction Drawings • Meetings & Project Management
Method/Procedure:
<p>Grantee’s selected consultant will accomplish these items by:</p> <ul style="list-style-type: none"> • Creating a conceptual design that identifies details of the dam raise, improvements to the service and emergency spillways, dams needed for neighboring properties, protection for groundwater seepage, and any pumping infrastructure necessary for use in low-storage conditions. • Conduct modeling based on the 2020 State Engineer’s Office Rules and Regulations for Dam Safety and Dam Construction to confirm the feasible reservoir storage increase. • Contracting with a Geotech driller and laboratory to identify the material properties of soils at the site, and their potential for use in the enlargement. If suitable materials are not identified on site, consultant will determine available commercial sources.
Deliverable:
<p>The Grantee will provide CWCB Staff with:</p> <ul style="list-style-type: none"> • Conceptual plan identifying improvements necessary to enlarge the reservoir • Summary of H&H analysis, including wave runup • Summary of geotechnical report • Summary of engineering design • Construction drawings, specifications, and bid documents • Summary of required permits • Summary of reservoir storage capacity, firm yield and source of additional water supplies; interested partners; secured and potential funding sources and amounts; and engineer’s cost estimate (20% contingency level) • Summary of additional funding sources and amounts including interested partners and possible grant programs available for the construction work

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.

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.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant'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.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. 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.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided as part of the project documentation.

Performance Measures

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 Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per 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 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.