

Water Supply Reserve Account – Grant Application Form

Form Revised March 2009

Statement of Work

WATER ACTIVITY NAME – Rehabilitation and Replacement

GRANT RECIPIENT – San Luis Peoples Ditch Company

FUNDING SOURCE – Water Supply Reserve Account – Rio Grande Basin Round Table Basin Account Funds

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to no more than 200 words; this will be used to inform reviewers and the public about your proposal)

As stated above, Phase I of the overall rehabilitation of the Peoples Ditch will be addressed with this funding request of \$40,000 from the Rio Grande Basin Account. Phase I consists of:

- The replacement of the Crossover of the old Rito Seco river bed located behind a residential area. This residential area is referred to as the Medina and Cruz residences for the purpose of this project. This Crossover and associated diversion structure was built in 1945. The concrete walls have deteriorated, are cracked and crumbling. The associated culvert has rust holes and is leaking water, the water gates jam and is difficult to open and close.

OBJECTIVES

List the objectives of the project

1. Allow for the Peoples Ditch to take its legally decreed water from the Culebra River.
2. Improve management of water control and time on the diversion, sluicing and turnout water control structures.
3. Significantly reduce sediment and trash problems in the ditch conveyance system.
4. Reduce water seepage losses along the ditch system and head gate leakage.
5. Control Rito Seco Creek flood waters and sediment from entering the ditch system.

TASKS

Provide a detailed description of each task using the following format

Phase I – To construct 134ft. reinforced concrete ditch between highway 159 to the Rito Seco structure with a combination Rito Seco sluice, pipe flume and canal turnout control gates. The entire structure will be reconstructed using a modern functionality design by the NRCS. The flume will be replaced with a 24' by 60' steel pipe flume. The Rito Seco gate structure will also be replaced, which is part of the diversion structure and is used to carry the water over the Rito Seco into the Peoples Ditch. (*See attachments 3a*)

Phase II – Replace the 2 ft. bottom 3' depth concrete lining of the ditch at the Chavez and Serna Farms, approximately 1600 ft of cement lining.

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Phase III – Reconstruction of the diversion steel sluice and turnout structures at the main diversion on the Culebra River into the Peoples Ditch. The diversion steel turnouts and sluice structure are malfunctioning and accumulates sand and debris build up which clogs the head gate. Also in this phase a steel box structure will be installed on the People's Ditch and the Rito Seco junction at the Vega Commons to control the excess water and sediment from the Rito Seco flooding.

PHASE I - Replacement of Diversion Structure and culvert

Description of Task

Task 1 – Remove the old Rito Seco concrete crossing structure and associated control head gate.

Task 2 – Replace 134 ft of concrete lined ditch upstream of crossing

Task 3 – Build a new crossover structure with control head gates.

Task 4 – Dredge the earthen ditch from highway 159 to new concrete ditch and clean out culverts below the highway

Method/Procedure

Task 1: Using Peoples Ditch shareholders' equipment to remove the old structure and cement from the ditch. Soil and road base will be brought in to elevate both north and south banks approximately 24" high and from highway 159 to the crossover structure wall, approximately 450'. Construct a 250' or 112 cubic yards of concrete reinforced ditch connection to the new crossover structure.

Task 2 & 3: Reline 134 feet the portion of the ditch and build the crossover structure using a third party contractor. Access & mobilization of equipment, divert and pump water, form and reinforce a 30 cubic yards concrete crossover structure with associated head gate. If construction is done during cold weather, heating and blanketing will be required. Fabricate and install head gate, install pipe fume, back fill structure and demobilization.

Dredge the remaining length of the ditch from highway 159 to concrete reinforced ditch and clean out culverts below the highway

Estimated cost: \$142,000

Deliverable

Fall of 2010

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REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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 Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.