

## **Statement of Work – Exhibit A**

**Project:** Platoro Reservoir Crest of the Dam Repairs

**Vendor:** Conejos Water Conservancy District

**FUNDING SOURCE** – Water Supply Reserve Account - \$150,000  
(\$15,000 Basin Account \$135,000 Statewide Account, and \$35,000 Matching funds)

### **BACKGROUND**

The District has assumed maintenance and operation of the Platoro Reservoir. The \$150,000 will be used to rehabilitate the crest of the dam at Platoro Reservoir. The Technical Response Team of the US Bureau of Reclamation, in its 2008 Comprehensive Facility Review, identified a potential hydrologic failure mode in the upper portion of the embankment of the Platoro Dam. In the event of extreme flood, erosion would penetrate the top of the crest. The study revealed that the core is 4 feet below the dam crest, a vulnerability which was not known before. If water exceeds the maximum surface elevation of 10,042 feet, there exists only 2 feet of core at the very center of the dam. This project will place additional stone along the full length of the crest, as this area has been gradually losing grade, sloping downward. The Project will include grading and repair the US Forest Service access road before, during and on completion of this project.

### **TASK 1 – Grading #1 -- Initial Access Road Grading**

Description of Task: The US Forest Road #250 will sustain heavy traffic from trucks and equipment. Before mobilization, District will grade the 25.5 miles of road in accordance with US Forest Service road maintenance specifications for traffic-generated maintenance (FS-7700-41, II.C.2).

### **TASK 2 – Mobilization**

Description of Task: Deliver equipment to the project site at the Dam.

### **TASK 3 – Hauling rock**

Description of Task: Trucks will deliver rock to the project site, ready to be placed on the crest of the dam.

#### **TASK 4 – Grading #2 -- Mid-Point Access Road Grading**

Description of Task: At a midpoint in the project, District will grade the 25.5 miles of US Forest Service Access Road #250 in accordance with US Forest Service specifications for traffic-generated maintenance and repair (FS-7700-41, II.C.2).

#### **TASK 5 – Placement**

Description of Task: Rock will be placed along the full length of the crest of the dam as required by engineering specifications provided by the U.S. Bureau of Reclamation, with oversight by the District.

#### **TASK 6 – Final Grading, Cleanup at Dam Crest and Demobilization**

Description of Task: At the end of the project, District will blade and grade the 25.5 miles of US Forest Service Access Road #250 in accordance with US Forest Service road maintenance specifications for traffic-generated maintenance (FS-7700-41, II.C.2) (\$12,750). Surface at Dam Crest is finished. All work areas are left clean and clear, US Forest Service requirements are met, and all vehicles and trucks are demobilized from the work site.

#### **TASK 7 – Reporting and Final Deliverable – As written below:**

#### **FINAL DELIVERABLE**

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 will contain photographs, summaries of meetings and engineering reports/designs.

## BUDGET

TASKS	Detail	Matching Funds	GRANT FUNDS	TOTAL PROJECT
Engineering - USBR		25,000		25,000
Fees & Permits - District		5,000		5,000
QC – Supervision – District		5,000		5,000
Task 1 – Grading #1	\$500/mile x 25.5 miles 2 graders, 2 men, 10 hours/day x3 days 2 trucks, 2 men, 10 hours/day x 2 days		12,750 4,550	17,300
Task 2 - Mobilization	2 trackhoes, 1 Loader		1,500	1,500
Task 3 – Hauling	5 trucks, 5 men, 10 hours/day x 6.5 days 2 loads/day/truck x 6.5 days		72,450	72,450
Task 4 – Grading #2	\$500/mile x 25.5 miles 2 graders, 2 men, 10 hours/day x3 days 2 trucks, 2 men, 10 hours/day x 2 days		12,750 4,550	17,300
Task 5 – Placing Rock	2 trackhoes, 1 Loader, 3 men x 10 hrs/day X 8 days		26,500	26,500
Task 6 – Grading #3, Cleanup @ dam crest	\$500/mile x 25.5 miles 2 graders, 2 men, 10 hours/day x3 days 2 tractors, 2 men 10 hours/day x 2 days		12,750 2,200	14,950
Task 7 – Final Report District		In Kind		
<b>TOTAL MATCHING FUNDS</b>		<b>\$35,000</b>		
Total Costs:		<b>\$35,000</b>	150,000	185,000

## SCHEDULE

Task/Month	March	April	May	June	July	Aug	Sept	Oct
Project Coord.	X	X	X					
1. Grading				X				
2. Mobilize				X				
3. Rock Haul					X			
4. Grading					X			
5. Rock Placment					X	X		
6. Final Grading						X		
Report Preparation							X	X

## **PAYMENT**

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.