

FY-2002/2003 SCOPE OF WORK - CONSTRUCTION PROJECT
Grand Valley Project Water Management

No.: C-11

Lead Agency: U.S. Bureau of Reclamation
Submitted by: Brent Uilenberg
Address: Bureau of Reclamation
2764 Compass Dr., Suite 106
Grand Junction, CO 81506
Phone: (970) 248-0641
FAX: (970) 248-0601
email: builenberg@uc.usbr.gov
Date: April 19, 2001; revised October 2001.

<u>Category:</u>	<u>Expected Funding Source:</u>
<input checked="" type="checkbox"/> Ongoing project	<input checked="" type="checkbox"/> Federal appropriations Capital funds
<input type="checkbox"/> Ongoing-revised project	<input type="checkbox"/> State Capital cost share funds
<input type="checkbox"/> Requested new project	<input type="checkbox"/> Other (explain)

I. Title of Proposal
Grand Valley Project Water Management

II. Relation to RIPRAP
Colorado River Action Plan: Mainstem I.A.3.c.(3)(f)

III. Study Goals, Objectives, End Product

Through canal system modification and the corresponding management options, develop a water supply alternative for the 15-Mile Reach of the Colorado River.

IV. Past Performance

Construction has been completed on the check structures and the Palisade pipeline. NEPA compliance is complete. A contract to deliver a portion of the conserved water to the Grand Valley Power Plant and indirectly to the 15-Mile Reach is complete. An additional contract to legally protect and deliver the majority of the remaining conserved water has been completed. A agreement to fund the operation and maintenance activities of the system improvements has been completed. Due to delays in obtaining non-federal funding, work was not completed on the SCADA system prior to the 2001 irrigation season.

V. Study Area

The study area will be limited to the Government Highline canal system.

VI. Task description and Schedule

Tasks:

1. National Fish and Wildlife Foundation develop and administer construction contract with the GVWUA to complete SCADA system. Target date for contract award is November 1, 2001. Contract administration will continue through 30 September 2003.

2. Design and specifications of the SCADA system and pumping plant. Design will be completed on an as needed basis to meet construction schedules.

3. Construction of improvements. Start construction of SCADA system 1 November 2001 and complete SCADA system on all check structures and existing flow measurement points by 1 April 2002. Begin construction of the Highline Lake pumping plant in the fall of 2002 which will include automation features. Have the complete system ready to run for the 2003 irrigation system.

4. Make any necessary adjustments to the SCADA system after the first year of total system operation.

VII. FY-2002 - 2003 Work

Task 1. Prepare and execute a contract between the National Fish and Wildlife Foundation and GVWUA for the construction of the SCADA system.

		FY02	FY03
Labor	Foundation	\$9,700	\$9,200
Travel	travel and perdiem	1,300	1,300
Other	misc office expenses	1,300	1,300
Total		<u>\$12,300</u>	<u>\$11,800</u>

Task 2. Reclamation activities

		FY02	FY03
Labor	Engineering	39 weeks	52 weeks
		\$75,000	\$135,000
Labor	Construction	6 weeks	6 weeks
		15,000	15,000
Labor	Inspection	3 weeks	26 weeks
		4,500	39,000
Labor	Contract administration		13 weeks
			26,000
Labor	Surveying (3 person crew)	2 weeks	2 weeks
		5,000	5,000
Construction	Pumping plant		900,000
Equipment		4,000	4,000
Total		<u>\$103,500</u>	<u>\$1,124,000</u>

Task 3. Construction Contract with GVVUA

	FY02	FY03
SCADA system	\$200,000	\$60,000
Tunnel No. 3 modifications		54,000
Price-Stubb pumping plant intake modifications	68,000	
Clifton Check modifications		55,000
Camp 7 spill modifications		85,000
Contingencies	40,000	38,000
Total	\$308,000	\$292,000

Task 4. Make any necessary changes to the automation system

	FY04
Total	\$???

VIII. Budget Summary

Task 1 - 4 Summary

	FY02	FY03	FY04
Total	\$423,800	\$1,427,800	??

IX. 2002 Deliverables

1. Construction contract
2. Construction of SCADA system on all existing check structures
3. Modification to Price-Stubb pumping plant intake

2003 Deliverables

1. Construction of pumping plant and automation
2. Tunnel No. 3 inlet modifications and automation
3. Clifton check modifications and automation
4. Camp 7 spill modification and automation

X. Reviewers

Brent Uilenberg, USBR - Grand Junction, Colorado