

**RECOVERY PROGRAM  
FY 2018-2019 SCOPE OF WORK for:**

Recovery Program Project Number: **C-29**

Grand Valley Irrigation Company Fish Screen and Fish Passage Operation and Maintenance

Lead: Phil Bertrand (Superintendent) / Charlie Gunther (Assistant Superintendent)  
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Date: May 30, 2017

Category:

- Ongoing project
- Ongoing-revised project
- Requested new project
- Unsolicited proposal

Expected Funding Source:

- Annual or  O&M funds
- Capital funds
- Other (explain)

I. Title of Proposal:

Grand Valley Irrigation Company Fish Screen and Fish Passage Operation and Maintenance

II. Relationship to RIPRAP:

Colorado River Action Plan: Mainstem II.B.1.b Screen GVIC diversion to prevent fish entrainment

III. Study Background/Rationale and Hypotheses:

Correct system problems on the existing fish screen and operate and maintain the fish screen and fish passage structure.

IV. Study Goals, Objectives, End Product:

Goal: Establish additions/improvements to the Grand Valley Irrigation Company Fish Screen (Rebuild brush arm #1 and Re-grade for drainage)

Goal: Operate and maintain the fish screen and fish passage structures.

- V. Study area: The dam is located on the Colorado River, near Palisade, CO, approximately 3 miles downstream of the abandoned Price-Stubb Diversion Dam and 9 miles downstream of the Grand Valley Project Diversion Dam. The fish screen is located in the Grand Valley Irrigation Company canal approximately 2,000 feet below the diversion dam.

VI. Study Methods/Approach

Rebuild brush arm #1 and re-grade site drainage, as well as perform routine site maintenance and inspections.

VII. Task Description and Schedule

1. Operate and maintain fish screen and fish passage
2. Construction additions & improvements

(see detailed description below)

OPERATION & MAINTENANCE AGREEMENT NO 01-WC-40-7050. O&M for GVIC Fish Screen Facility & GVIC Fish Passage								
WORK PROGRAM NO.	FY 2018	DESCRIPTON OF WORK						
Dates Covered: October 1, 2017-September 30, 2018		Operation, Maintenance and Repair of GVIC Fish Screen and Fish Passage						
ITEM OR FEATURE	# OF UNITS	UNIT	UNIT COST	EQUIPMENT	MATERIALS	LABOR	OTHER	TOTAL
<b>Fish Screen Facility</b>								
<b>O&amp;M</b>								
<b>Routine Site Maintenance &amp; Inspections</b>								
Labor B (Attendant)	240	Hrs	\$45.58			\$10,939.20		\$ 10,939.20
Labor A (Maintenance)	290	Hrs	\$45.58			\$13,218.20		\$ 13,218.20
Outside Mtce; Air compressor/Generator	16	Hrs	\$135.00				\$2,160.00	\$ 2,160.00
<b>Equipment</b>								
Backhoe	20	Hrs	\$ 35.00	\$ 700.00				\$ 700.00
Dump Truck	10	Hrs	\$ 50.00	\$ 500.00				\$ 500.00
Pumps, Generators, misc	10	Hrs	\$ 80.00	\$ 800.00				\$ 800.00
<b>Materials (gravel, grease, tools, misc)</b>								
	1		\$ 2,000.00		\$ 2,000.00			\$ 2,000.00
<b>Administrative Costs</b>								
Salaries & Associated costs	28	Hrs	\$45.58				\$ 1,276.24	\$ 1,276.24
<b>Utilities</b>								
Electric	12	Mos	\$ 1,500.00				\$ 18,000.00	\$ 18,000.00
Telephone/Fishscreen	12	Mos	\$ 63.00				\$ 756.00	\$ 756.00
Contingencies			5%	\$ 100.00	\$ 100.00	\$ 1,207.87	\$ 1,109.61	\$ 2,517.48
<b>Total Fish Screen O &amp; M</b>				\$ 2,100.00	\$ 2,100.00	\$ 25,365.27	\$ 23,301.85	\$ 52,867.12
<b>Construction Additions/Improvements</b>								
1. Rebuild brush arm #1			\$ 6,700.00			\$ -		\$ 6,700.00
			\$ -		\$ -			\$ -
2. Re-grade for drainage	16	Hrs	\$ 45.58			\$ 729.28		\$ 729.28
10 yd dump truck	8	Hrs	\$ 50.00	\$ 400.00				\$ 400.00
Road Grader	16	Hrs	\$ 45.00	\$ 720.00				\$ 720.00
Gravel	5	Yds	\$ 110.00		\$ 550.00			\$ 550.00
<b>Total Fish Screen Additions/Improvements</b>			\$ -	\$ 1,120.00	\$ 550.00	\$ 729.28	\$ -	\$ 9,099.28
<b>Total Fish Screen Costs</b>				\$ 3,220.00	\$ 2,650.00	\$ 26,094.55	\$ 23,301.85	\$ 61,966.40

VIII. Budget Summary

Assumes 2% annual increase beyond FY 2018.

<b>FY 2018</b>	\$ 61,966
<b>FY 2019</b>	\$ 63,206
<b>FY 2020</b>	\$ 64,470
<b>FY 2021</b>	\$ 65,759
<b>FY 2022</b>	\$ 67,074

IX. Reviewers

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X. References