

Work Plan for Fiscal Year 2002

February 6, 2002

I Program Title. Contra Costa Canal Pumping Plant Mitigation Program CVPIA Section 3406(b)(5) Contra Costa Canal Intake Fish Screening Project

II Responsible Entities.

	Agency	Staff Name	Role
Lead	USBR	William O'Leary	Acting Program Manager
	USBR	Debra Coleman	Program Support
	USBR	Ken Sayer	Design and Construction Support
	USBR	Mike Lee	Design Data and Contract Management
	USBR	Lauren Carly	Construction Management
	USBR	Joe Pennino	Site Management
	USFWS	Matt Vandenberg	Co-Lead

III Program Objectives for FY 2002

The program objectives are enumerated below.

A. Minimize the entrainment of fish resources* associated with the diversion of water at the Rock Slough Intake of the Contra Costa Canal. This program is in response to the requirements of Section 3406(b)(5) of the Central Valley Project Improvement Act (CVPIA) and the Fish and Wildlife Service's 1993 Biological Opinion for the threatened Delta smelt.

B. Reduce potential predation on target species in the Rock Slough Intake

*Species Benefitted - Chinook Salmon (fall- and winter-run), Steelhead, Sturgeon (white and green), Striped Bass, American Shad, Delta and Longfin smelt, Sacramento splittail, and Sacramento blackfish

IV Status of the Program.

Most technical and policy issues have been or are being resolved by the Technical and Management Teams comprised of representatives from United States Bureau of Reclamation (USBR), US Fish and Wildlife Service (USFWS), National Marine Fisheries Service, California Department of Fish and Game, Department of Water Resources (DWR), and Contra Costa Water District (CCWD). A peer review team reviewed preliminary conceptual designs and

offered recommendations to the Technical and Management Team on how the fish screen project could be improved. A Value Engineering Team explored cost saving alternatives and made recommendations. Appropriate environmental documentation was completed and an agreement signed providing funding participation from the State of California. Specifications and drawings for the fish screen project are being finalized to reflect the concerns and recommendations of an adjacent flood control district (RD 799). Award of Phase 1 of a two-phase contract was completed September 2000. Phase I was completed on November 6, 2000. The first phase completed those activities which did not require lands other than those within the current right-of-way of the canal. In addition, the DWR salinity sampling station will be relocated prior to initiating the second construction phase. Phase II is the construction of the fish screen itself. However, in 2001, a new alternative site was considered which would relocate the fish screen project to a site further to the east and reduce the impact on surrounding land owners, reduce water quality impacts, eliminate the need to relocate an adjacent Western Area Power Administration (WAPA) power line, and shorten the length of construction. This relocation will have no effect on the species protected. Phase II is scheduled for award in 2002 with completion in 2003. Pending actions include:

- Formally choose the new alternative site,
- Acquire/modify permits from Federal, state, and local regulatory agencies to reflect new alternative site,
- Finalize permit and easement with RD 799,
- Acquire lands from landowners,
- Complete final designs for Phase II to include modifications requested by RD799 and CCWD and,
- Complete design modifications associated with the proposed alternative site and the Contra Costa County proposed North-South road alignment.

V. FY 2001 Accomplishments.

-An alternative site alignment was developed which, if chosen, will reduce impacts on surrounding land owners, reduce water quality impacts, eliminate the need to relocate an adjacent WAPA power line, and shorten the length of construction;

-Developed further revisions of Phase II design per recommendations by Reclamation District 799 and the new alternative site realignment;

-Reached agreement with DWR concerning salinity sampling station relocation.

VI. Tasks, Costs, Schedules and Deliverables.

I. Narrative Explanation of Tasks.

A. Program Management - Planning, budget oversight, and coordination of all activities and offices associated

with this comprehensive fish screen project is accomplished by the Program Manager and assistant. Permit application and coordination with regulatory agencies are also included under this item.

B. Land Acquisition - This includes all land easement and in-fee acquisition activities, including coordination of right-of-way assessments, negotiations with land owners, appraisal needs, coordination with other affected land owners, and condemnation activities if required.

C. Complete Designs - This requires a re-design to accommodate the new site location, preparation of 90% completed engineering designs, Final Designs, completing added design data requirements, a second Value Engineering Study to try to lower costs, preparation and distribution of a bid specification package, and award of contract.

D. Construct the Fish Screen - Involves initiation of construction by contractor, construction management, construction and contract support. Total construction cost includes 20% contingencies and 5% unlisted items. Contractors will be utilized for construction of the fish screen.

Additional Funding Needs.

Construct the fish screen - An additional \$1.0 million for construction management and \$270,000 (W&RR) for project management and construction and contract support in Fiscal Year 03 (FY), plus the additional \$4,445,000 to fully award the contract in FY02, results in a total of \$18,600,000 needed to complete the construction of the Contra Costa Canal Intake Fish Screen. An additional \$250,000 - \$300,000 per year for at least three years following construction will be needed for monitoring and evaluating the screen to insure it will meet stringent criteria for the protection of sensitive fish like the Delta smelt.

B. Schedule and Deliverables.

#	Task	Dates		Deliverable
		Start	Complete	
1	Program Management	10/01/01	09/30/02	Coordination and Budget Oversight, Direct Team Leaders, Obtain all required permits, Regulatory agency coordination, Contracts, Grants and Cooperative Agreements, Activity Plans, CVPIA Annual Work Plan, Issue Papers, Budgets
2	Land Acquisition	10/01/01	09/30/02	Obtain all required lands and easements, Right of Way issues and condemnation activities, if required
3	Complete Design	10/01/01	09/30/02	Complete the design, design data and second Value Engineering study of the fish screen
4	Construct the Fish Screen	10/01/01	09/30/03	Begin construction of the fish screen, construction management, construction and contract support (includes 20% contingencies, 5% unlisted items)

Schedule and Deliverables - Additional Funding Needs.

#	Task	Dates		Deliverable
		Start	Complete	
4	Construct the Fish Screen	10/01/01	09/30/03	Complete construction of the fish screen, construction management, construction and contract support

C. Summary of Program Costs and Funding Sources.

#	Task	Total Cost	Funding Sources			
			RF	W&RR	Past Cost Share	Trust Funds *
1	Program Management	\$72,781.00	\$0.00	\$72,781.00	\$0.00	\$0.00
2	Land Acquisition	\$194,219.00	\$0.00	\$144,219.00	\$0.00	\$50,000.00
3	Complete Design	\$340,000.00	\$0.00	\$0.00	\$0.00	\$340,000.00
4	Construct the Fish Screen	\$12,278,000.00	\$0.00	\$0.00	\$11,000,000.00	\$1,278,000.00
Total Program Budget		\$12,885,000.00	??	\$217,000.00	\$11,000,000.00	\$1,668,000.00

* State of California Funds

Summary of Program Costs and Funding Sources - Additional Funding Needs.

#	Task	Total Cost	Funding Sources			
			RF	W&RR	Past Cost Share	Trust Funds
4	Construct the Fish Screen	\$4,445,000.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Program Budget		\$4,445,000.00	??	??	??	??

Explanatory Notes: There are insufficient funds available to complete the construction

of the fish screen. This table shows the additional FY02 or FY03 funds required for completion of the fish screen.

D. CVPI A Program Budget.

#	Task	FT E	Direct Salary and Benefits Costs	Contracts Costs	Miscellaneous Costs	Administrative Costs	Total Costs
1	Program	0.5	\$39,829.00	\$0.00	\$7,500.00	\$25,452.00	\$72,781.00
2	Land Acquisition	0.0	\$0.00	\$194,219.00	\$0.00	\$0.00	\$194,219.00
3	Complete Designs	0.0	\$0.00	\$340,000.00	\$0.00	\$0.00	\$340,000.00
4	Construct the	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Total by	??	\$39,829.00	\$534,219.00	\$7,500.00	\$25,452.00	\$607,000.00

CVPI A Program Budget - Additional Funding Needs.

#	Task	FT E	Direct Salary and Benefits Costs	Contracts Costs	Miscellaneous Costs	Administrative Costs	Total Costs
4	Construct the	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Total by	??	??	??	??	??	\$0.00

E. Quarterly Obligation/Expenditures.

#	Task	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1	Program Management	\$18,195.25	\$18,195.25	\$18,195.25	\$18,195.25
2	Land Acquisition	\$0.00	\$64,739.66	\$64,739.66	\$64,739.66
3	Complete Designs	\$85,000.00	\$85,000.00	\$85,000.00	\$85,000.00
4	Construct the Fish Screen	\$0.00	\$0.00	\$0.00	\$0.00

Total CVPIA Budget by Quarter	\$103,195.25	\$167,934.91	\$167,934.91	\$167,934.91
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Quarterly Obligation/Expenditures - Additional Funding Needs.

#	Task	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4	Construct the Fish Screen	\$0.00	\$0.00	\$0.00	\$0.00
Total CVPIA Budget by Quarter		??	\$0.00	??	??

VI. Future Years Commitments/Actions.

An additional \$1.0 million for construction management and \$270,000 (W&RR) for project management and construction and contract support in FY03, plus the additional \$4,445,000 to fully award the contract in FY02, results in a total of \$18,600,000 needed to complete the construction of the Contra Costa Canal Intake Fish Screen. An additional \$250,000 - \$300,000 per year for at least three years following construction will be needed to for monitoring and evaluating the screen to insure it will meet stringent criteria for the protection of sensitive fish like the Delta smelt.