

Yuba IRWMP – SSWD-01

Project Short Form¹

Please fill out the following information to the best of your ability/knowledge. Once the project has been received, and a preliminary review completed, the project team will work with you to develop additional information.

PROJECT SPONSOR INFORMATION

Lead Agency/Organization	South Sutter Water District
Name of Primary Contact(s)	Hayden Cornwell
Mailing Address	2464 Pacific Ave, Trowbridge CA 95659
Email Address	hcornwell@southsutterwd.com
Phone (###) ###-####	(530) 656-2242
Project Partners/Collaborators	Yuba County
YWA Liaison	JoAnna Lessard

GENERAL PROJECT INFORMATION

Project Title	Camp Far West Auxiliary Spillway
Project Total Budget (Attach detailed budget, if available)	~ \$21,000,000 - \$24,000,000
Budget Breakdown	Planning/Design Budget: Implementation Budget:
Project Funding Match, if any	
Total Project Funding Request	
Project Location (Attach map if available)	Camp Far West Reservoir
City/Community	Sheridan / Wheatland
Watershed/subwatershed	Upper Bear
Groundwater Basin	North American Subbasin
Funding Area	SRFA or MC
Project Priority (Select one)	High/Medium/Low
Project Type (highlight in gray <i>all</i> that apply)	Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction Restoration Monitoring Best Management Practices Acquisition Demonstration/Pilot Project

¹ Completed Project Short Forms should be sent via email to Keri Rinne at keri.rinne@gmail.com

Please select the *status* of the CEQA/NEPA/Permitting for this project:

CEQA (Select one)	Exempt - Not Started - Initial Study - EIR – Determination - Unknown if Required
NEPA (Select one)	Exempt - Not Started - Environmental Assessment - EIS – Record of Decision - Unknown if Required
Permitting (Select one)	Not Required - Not started – Identified – Consultations Complete – Application Submitted – Complete – Unknown if Required

PROJECT DESCRIPTION

Write a narrative briefly describing the project components and/or characteristics (maximum of 300 words).

The Federal Energy Regulatory Commission (FERC) completed a Probable Maximum Flood (PMF) study and concluded that the existing spillway at Camp Far West Dam is inadequate under the required PMF high water event. As the existing (primary) spillway is unable to pass the PMF without overtopping the embankment crest, an auxiliary spillway is proposed to be built adjacent to the existing spillway to provide combined discharge capacity in excess of the PMF outflow rate. The proposed new auxiliary spillway structure would be an ogee-type weir, horizontally concaved, with a crest length of 300 feet. The spillway would be constructed of reinforced concrete and be of similar design to the existing, adjacent spillway structure.

PROJECT RATIONALE/ISSUES STATEMENT

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

This project is identified in the Yuba County Local Hazard Mitigation Plan with emphasis on severe weather disaster mitigation. The modification is needed to assure that the Camp Far West Dam spillway could accommodate the PMF wherein water would flow over the spillway rather than overtop the dam embankment thereby avoiding the risk of dam failure along with sudden and significant downstream flooding. The new spillway would also allow the continued operation of hydroelectricity.

ATTACHMENTS:

- Task based budget
- Map of project location



Map showing the project's position relative to Wheatland, CA.

South Sutter Water District
Camp Far West Spillway Project
Engineer's Estimate - 90% Design
May 2021

BID ITEM	BID ITEM DESCRIPTION	Quantity	Unit	Unit Price	Cost
GENERAL ITEMS					
1	Mobilization/Demobilization	1	LS	\$ 1,369,000.00	\$ 1,369,000.00
2	Traffic Control Plan & Implementation	1	LS	\$ 515,000.00	\$ 515,000.00
3	SWPPP Preparation and PMP Implementation	1	LS	\$ 82,500.00	\$ 82,500.00
4	Site Preparation and Site Restoration	1	LS	\$ 407,500.00	\$ 407,500.00
4	Temporary Cofferdam and Dewatering	1	LS	\$ 594,000.00	\$ 594,000.00
	General Items Subtotal				\$ 2,968,000.00
Spillway Channel					
5	Clearing, Grubbing, and Stripping	23	AC	\$ 5,500.00	\$ 126,500.00
6	Unclassified Excavation	185,100	CY	\$ 18.40	\$ 3,405,840.00
7	Drill & Blast	79,300	CY	\$ 28.80	\$ 2,283,840.00
8	Foundation Grouting	1,075	LF	\$ 200.00	\$ 215,000.00
	Spillway Channel Subtotal				\$ 6,031,180.00
Spillway Structure					
9	Spillway Rock Anchors	616	EA	\$ 570.00	\$ 351,120.00
10	Spillway Drains	1	LS	\$ 80,000.00	\$ 80,000.00
11	Spillway Control Structure Concrete	3,350	CY	\$ 1,385.00	\$ 4,639,750.00
12	Spillway Training Wall Concrete	1,352	CY	\$ 1,200.00	\$ 1,622,400.00
13	Spillway Earthwork	1	LS	\$ 295,000.00	\$ 295,000.00
	Spillway Structure Subtotal				\$ 6,988,270.00
Bridge					
14	Bridge Structure	1	LS	\$ 3,785,000.00	\$ 3,785,000.00
	Bridge Subtotal				\$ 3,785,000.00
Road Improvements					
15	Embankment Fill	33,125	CY	\$ 21.00	\$ 695,625.00
16	Aggregate Base	1,680	CY	\$ 110.00	\$ 184,800.00
17	Asphalt	1,264	TON	\$ 138.00	\$ 174,432.00
18	Guardrail, Signage, Striping, Etc.	1	LS	\$ 100,000.00	\$ 100,000.00
	Road Improvements Subtotal				\$ 1,154,857.00
GRAND TOTAL ESTIMATED COST TO CONSTRUCT W/O CONTINGENCY					
					\$ 20,927,307.00
GRAND TOTAL ESTIMATED COST TO CONSTRUCT W/15% CONTINGENCY					
					\$ 24,066,403.05