Consider approval of Schedule and Cost Change Request (SACCR) No. 2 for the Yuba River Basin General Reevaluation Report (GRR). SACCR No. 2 will cover cost and schedule changes due to an expansion of the scope of the project and an expansion of the study area to include all of southern Yuba County. The Reclamation Board previously approved SACCR No.1 in 2004 increasing the project cost to $5,500,000. This SACCR will increase costs an additional $10,500,000 for a total project of $16,000,000.

Applicant

Yuba County Water Agency (YCWA) 1220 F Street, Marysville, CA 95901-4226

Location

The Yuba River Basin is located in Yuba County about 50 miles north of the City of Sacramento in northern California. The study area includes Linda, Olivehurst, Arboga, and RD 784 (including Plumas Lake). All areas have a high risk of flooding from the Feather, Yuba, and Bear Rivers, from failure of the Western Pacific Interceptor Channel, and possibly from flows leaving the Yuba River channel at the Goldfields, flowing south, and flanking the Yuba River left bank levee.

Background

The Yuba River Basin Project, California was initiated by the State of California, Yuba County Water Agency and the Corps of Engineers after the 1986 flood. Congress authorized the project in 1999 (P.L. 106-53, section 101(a)(10)). This authorization was based on the Report of the Chief of Engineers, which was prepared after completion and approval of the April 1998 Yuba River Basin Investigation, California feasibility study, initially authorized in the Flood Control Act of 1962. The California Legislature authorized the project in 2000 (AB 1147, 2000 Stats. Ch. 1071). Congress reauthorized the project in the 2007 Water Resources Development Act (P.L. 110-114, Section 3041). This reauthorization increased the project cost ceiling and directed the Secretary to credit the non-Federal share of the cost of the work carried out by the non-Federal interest for the project before the date of the partnership agreement for the project.
The authorized project included: construction of 6.7 miles of slurry walls, deepening 9 miles of interior toe drains, constructing or modifying 9.5 miles of berms along sections of the Yuba and Feather Rivers. The project’s downstream terminus was on the Feather River left bank levee at project levee mile (PLM) 16, about 1 mile south of Star Bend. The project also included construction of about 5 miles of slurry walls and berms along the ring levee around the city of Marysville. The project would provide the City of Marysville with flood protection from a 1 in 300 annual event, and the communities of Linda and Olivehurst would have flood protection from a 1 in 200 annual event.

In 2004, the Corps began a GRR on the project for several reasons including: 1) Observations made during the 1997 flood and subsequent geotechnical studies revealed severe underseepage problems; 2) The hydraulics and hydrology for the project have been revised, increasing water surface elevations for the design of the project; 3) The selected plan in the 1998 feasibility study would provide protection for the 1 in 200 annual event, but only recommended improvements to a short stretch of the Feather River. Analysis of the levees that protect this area identified the need for additional improvements to the Feather and Bear River levees as well as the Western Pacific Interceptor Canal levee; and 4) At the request of the State and local sponsors, ecosystem restoration was to be evaluated as a possible secondary project purpose.

The GRR is scheduled to be complete in 2010. Because of the imminent flood risk, however, the State of California and local interests, through the Three Rivers Levee Improvement Authority (TRLIA), began an advanced construction program to finance, repair and improve nearly all of the same levees identified for repair in the Yuba Basin Project’s original authorization. These advance levee repairs do not include the Marysville Ring Levee. All of the repairs and improvements by the Non-Federal interests have been or will be reviewed, inspected and certified by the Corps. Further, all of these repairs meet or exceed the Corps’ underseepage criteria.

The Marysville Ring Levee (Marysville) system was one of the original elements identified for repair in the 1999 congressionally authorized Yuba Basin Project. It is comprised of 7.5 miles of levees (some in excess of 25 feet tall) that surround and protect the City of Marysville. The Marysville Levee Commission is responsible for the maintenance of these levees. In 2008, the Corps approved a “separable element” for Marysville so the Corps could begin to repair these levees while the GRR was underway. An Engineering Documentation Report (EDR) and Post-Authorization Decision Document are being prepared to document changes in design, costs, benefits, and environmental effects since last reported. Construction of the Marysville levee improvements is scheduled to start in 2010. The Corps estimates construction costs for Marysville at $40,000,000 - $45,000,000.

Local Agency Endorsement

Yes, the Yuba County Water Agency endorses the project and is a funding partner.
Need for Board Action

SACCR No. 2 will allow the Corps to continue re-evaluating the Federal interest in the Yuba River Basin and allow design of the Marysville Ring levee improvements to continue on schedule for construction in 2010.

Staff Recommendation

Staff recommends the Central Valley Flood Protection Board approve SACCR No. 2 for the Yuba River Basin Project to allow the Corps to continue with the full scope of the GRR. Staff also recommends Central Valley Flood Protection Board approve the Local Design Agreement with YCWA 2 for the Yuba River Basin Project to continue with the full scope of the GRR.

List of Attachments

Resolution 2009-10
Yuba River Basin Project, Yuba County, California - SACCR No. 2
Figure 1 - Yuba River Basin Project Map
Schedule and Cost Change Request (SACCR)
Alternate Eng. Form 5040-1-R

<table>
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<th>Project: Yuba River Basin Project, Yuba County, CA</th>
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<tr>
<td>From CESPK-PM-C</td>
<td>To CESPK-DD-</td>
</tr>
<tr>
<td>Project Manager Name: Mark Ellis</td>
<td>Phone: 916-557-6892</td>
</tr>
<tr>
<td>Signature: Paul Znaime for</td>
<td>Date: 04 December 2001</td>
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Section I - Request

Description of Change Request: Cost and schedule increases due to an expansion of the scope of the project which included an evaluation of under seepage data from the floods of 1997 and 1999. The project area was also expanded to include all of southern Yuba County. Additional evaluation of hydrology, hydraulic, geotech, ecosystem restoration, and environmental data is necessary to determine the selection of the preferred alternative. This change will continue with completion of the GRR and include all the field work and design of the Marysville Ring Levee for construction.

The Scope, schedule, and budget will be reviewed periodically and revised if necessary during the course of study. The total project cost-limit will require a re-authorization once the NED Plan has been selected and approved by stakeholders.

Tentative increase in cost: $10,500,000.
Tentative increase in schedule: Marginal impact.

Justification for Change: A Design Agreement between the Department of the Army and the State of California for the Yuba River Basin Project was signed on June 13, 2000. The Design Agreement includes, in Article IV, Paragraph B.4, provisions for additional project funds to be cost shared. The cost share for the Design Agreement is 75% Federal and 25% Non-Federal. SACCR #1 was approved by the Reclamation Board in 2004 increasing total project cost to $5,500,000. New Total Cost: 16,000,000

Section II - Impact Assessment

<table>
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Section III - Project Manager's Evaluation

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Section IV - Coordination with Partner

Partner's Position and Acknowledgement:

Non-Federal and local sponsors support the continuation of the General RE-evaluation Report.

Signature _____________________________ Date __________________________

Section V - PRB Action & Resolution

CESPK-PM-C Recommendation and Signature

Chief, Civil Works Branch: Paul {signature} for Brandon Munoz Date: 4/7/09
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Project:
Yuba River Basin Project, Yuba County, CA

SACCR #2
Date 19 March 2009
WHEREAS, Congress has authorized the U.S. Army Corps of Engineers (Corps) to construct the Yuba River Basin, California Project pursuant to the Water Resources Development Act of 1999; and

WHEREAS, the State passed Senate Bill No. 1961 which amended Water Code Section 12657 and added Section 12670.7 to adopt and authorize the project for flood protection along the Feather and Yuba Rivers pursuant to the Corps’ report entitled, “Yuba River Basin Investigation, California, Final Feasibility Report” dated April 1998; and

WHEREAS, the Project will increase the level of flood protection to portions of Yuba County, the City of Marysville, and communities of Linda and Olivehurst; and

WHEREAS the Central Valley Flood Protection Board is the nonfederal sponsor and Yuba County Water Agency (YCWA) is the local sponsor for the Project; and

WHEREAS, the Department of the Army and the Board entered into a Design Agreement (DA) on June 13, 2000 for the Project; and

WHEREAS, the nonfederal sponsor’s share is 25% of the total design cost; and

WHEREAS, the Corps has initiated a General Reevaluation Report (GRR) for the Project to refine the hydrology and geotechnical design, update the economic evaluation, and complete the environmental documentation; and

WHEREAS, the Corps issued a Schedule and Cost Change Request (SACCR) dated March 10, 2004 and informed the nonfederal sponsors that the estimated cost to complete the GRR and the environmental documentation for the Project had increased by $3,700,000 from $1,800,000 to $5,500,000; and

WHEREAS, the Corps issued a SACCR dated March 19, 2009, which informed the nonfederal sponsors that the estimated cost to complete the Project has increased by $10,500,000 from $5,500,000 to $16,000,000; and

WHEREAS, the contractual limit of the Project will now be $16,000,000 and cost shared 75 percent federal ($12,000,000) and 25 percent nonfederal ($4,000,000); and
WHEREAS, the Board and YCWA entered into a Local Design Agreement (LDA) on May 24, 2000 for the Project; and

WHEREAS, in accordance with the LDA, the State’s share of cost is 70 percent and YCWA’s share of cost is 30 percent of nonfederal sponsor’s total design cost; and

WHEREAS, the Corps agreement with the nonfederal sponsors was $1,800,000 and the State share will be 25 percent ($450,000) and the YCWA share will be 30 percent ($135,000) for the Project; and

WHEREAS, the Corp’s March 10, 2004 SACCR increased YCWA’s estimated share of the total design by $277,500 from $135,000 to $412,500; and

WHEREAS, the revised cost of the March 19, 2009 revised SACCR and revised LDA will now increase by $2,625,000 and cost shared 70 percent State ($1,837,500) and the YCWA share will be 30 percent ($787,500); and

WHEREAS, the contractual limit of the revised LDA will now be $4,000,000, and cost shared 70 percent State ($2,800,000) and the YCWA share will be 30 percent ($1,200,000); and

WHEREAS, YCWA has acknowledged and supports the cost increase associated with the Corp’s SACCR; and

WHEREAS, the Board must acknowledge the cost increase by signing the Corps’ SACCR to amend the DA and LDA.

NOW, THEREFORE, BE IT RESOLVED THAT the Central Valley Flood Protection Board agrees to:

1. Sign the SACCR dated March 19, 2009 issued by the Corps to increase costs by $10,500,000.

2. Amend the LDA with YCWA to increase the total agreement costs.

3. Amend the DA with the Corps to increase the total agreement costs.

By: _________________________                Date: _____________________
Benjamin F. Carter
President

By: _________________________
Maureen “Lady Bug” Doherty
Secretary