



CENTRAL VALLEY FLOOD PROTECTION BOARD EXECUTIVE OFFICER'S REPORT

September 27, 2019

PLAN IMPLEMENTATION AND COMPLIANCE BRANCH

Status Report and Work Activities

Operational Programs

The work of the Plan Implementation and Compliance Branch (Branch) is organized into six Operational Programs (OP) that define the type of work being completed. The Branch will use this Executive Officer's Report to provide updates to the CVFPB on work being accomplished within each OP.

Ongoing Efforts of Each Operational Program:

Operational Program: Central Valley Flood Protection Plan

- **Sacramento-San Joaquin Drainage District (SSJDD) Feasibility Study**
 - The CVFPB is seeking consultant support to determine the feasibility of an SSJDD assessment to provide funding for system-wide improvements and the operation and maintenance of levees and associated flood control structures within the State Plan of Flood Control. Proposals were due on August 20, 2019. Staff is working with DWR Contracts Office during the proposal evaluation process. Staff will provide consistent updates on the progress of awarding a contract.

Operational Program: Section 408 System Alteration Permitting

- **West Sacramento Area Flood Control Agency – Southport Levee Improvement Project**
 - Restoration planting for the newly created flood channels between the remnant levee and the new setback levee started in September. The CVFPB permit for the restoration planting was approved at the July CVFPB meeting. Weekly project meetings for the Southport levee started April 10, 2019 and are anticipated to continue through the summer. Contactor and construction management team continue to work on development and review of the completion report for the levee portion of the project.
- **Yolo Bypass/Cache Slough Master Plan and USACE 408 Letter of Intent**
 - Staff continues to coordinate with DWR and USACE on the Yolo Bypass – Cache Slough Program by coordinating the 408 Master Plan work group and participate

in the Operations and Maintenance work group, as well as the Permitting Strategy work group. Staff will provide updates to the CVFPB on the progress of the 408 Master Plan and overall Program, as needed.

- **Marysville Railroad Bridge Rehabilitation Project**
 - On July 31, 2019 Under permit No. WA2018049, the CVFPB's Executive Officer issued a Minor Alteration letter in accordance with Title 23, Division 1, Article 3, Section 6(e) allowing three geotechnical borings as part of relocating the finger levee east of State Route 70. The geotechnical borings are necessary to complete the design of the proposed project. An encroachment permit application for the proposed project is anticipated to be submitted early this fall.
- **Bear River Setback Levee**
 - On August 14, 2019, the USACE and CVFPB staff had a pre-application meeting for the proposed Bear River Setback Levee. The proposed levee will be approximately 2,800 linear feet and relieve erosion issues on the north side of Bear River in Reclamation District 817. The project is being funded through DWR's Flood System Repair Program. CVFPB staff are expecting a request for a letter of No Objection from the applicant early this fall.

Operational Program: USACE / CVFPB Sponsored Studies and Projects

- **Marysville Ring Levee**
 - Phase 2A remains under construction. For the remaining phases, DWR continues to pursue Lands, Easements, Right of Way, Relocation, and Disposal Sites (LERRDs). Staff continues to coordinate with USACE and DWR on upcoming requisite work (i.e., utility relocations). Staff is currently working with DWR on an encroachment permit for the relocation of PG&E utility poles and pipelines for Phase 2B and 3.
- **American River Common Features 2016**
 - Beach-Stone Lakes Mitigation Site - SAFCA is awarding a contract in August 2019 to create over 30 acres of wetland to serve as mitigation for American River Commons Feature 2016 and address mitigation needs for future levee projects.
 - Sacramento Bypass Weir Expansion - Staff continues to meet with DWR and SAFCA to discuss the design components of the Sacramento Weir expansion. Design Quality Control review of the 65% design plans is planned for the end of October 2019 and Agency Technical Review in December 2019. The Lower Elkhorn Basin Levee Setback Project is at 100% design with a planned March 2020 award date. A 95% plan set for the Yolo Bypass is available. Acquisition is anticipated by January 2020. The 408 permit is anticipated to be issued at the beginning of 2020. The CVFPB, SAFCA, and DWR coordination meetings are ongoing and rotate meeting locations monthly between SAFCA and DWR.

- Seepage / Stability – Sacramento River East Levee - The Sacramento River East Levee (SREL) Project is in the request for proposal phase with construction scheduled to begin at the end of 2020. The first public meeting on the 2020 SREL construction projects occurred on September 12, 2019. Staff has ongoing coordination meetings with SAFCA on the status of the project. The contractor mobilized on Reach D (confluence of the American and Sacramento Rivers down to Sutterville Road) and is starting field work. SAFCA sent incentive letters to assist in removal of encroachments prior to construction. Seven of the nine encroachments have been resolved. Tree cutting in the right-of-way will occur this fall.
- Erosion - The 65% plans for the American River erosion work from Paradise Beach to Howe Avenue have been submitted for USACE review. Construction contract is anticipated in September 2020. Other phases of the project have been assigned to the St. Paul and St. Louis USACE districts. Construction of the waterside blanket on the Sacramento River at Pioneer Reservoir has been delayed until 2021.
- **Levee Accreditation Project (LAP)**
 - Construction of the North Area Streams project located along Arcade Creek is complete. Restoration and utility work are on-going. The close-out report is expected this fall.
- **South Sacramento County Streams Construction Project**
 - Project close-out is scheduled for Fall 2019 with a close-out report by the end of 2019. The USACE is working on their Performance Letter. Real estate issues still need to be resolved before closing out the project.
- **American River Common Features WRDA 96/99**
 - Project is in close-out phase. Remaining activities include: O&M Manual, environmental mitigation credits, real estate, and finance. Approximately \$15.9 million of LERRDS/In-kind credit was approved for the State of California and SAFCA by the USACE.
- **Natomas**
 - Improvements to the levees surrounding the Natomas Basin are ongoing. Construction of 3 miles of cut-off wall to the levee at the southeast portion of the Natomas basin near where I-80 crosses the levee, including a full road closure, began in July 2019. A second phase in this same area will include a landside access road, slope flattening, and tree removals in FY21. In the southeast corner of the basin, a contractor will soon start potholing, clearing and grubbing, removing asphalt, and slope flattening. Along the Natomas Cross Canal in the northwest corner, a vestal drain and RD 1000's pumping plant will be completed this year. PG&E is scheduled to relocate utility poles in the coming months at this same location. On the west side of the basin, along the Sacramento River,

construction contract solicitation has begun. Design work is continuing for multiple reaches around the Natomas Basin. The I-5 window on Sacramento River and the southwest corner of the basin is at 65% design. The 35% plans are under review for the Pleasant Grove Creek Canal.

- **Folsom Dam Modifications (Joint Federal Project)**

- The contractor continues to finish punch list items. USACE has completed physical tainter gate hydraulic rod coating testing, and the report is being reviewed. Modeling of the Bulkhead Gates is complete, and the draft report has finished partner review.

- **Folsom Dam Raise**

- The Notice to Proceed for Dike 8 will be issued soon. Dikes 1-7 are at 65% design and are being submitted for Agency Technical Review. The Mormon Island Auxiliary Dam is at 35% design. Monthly meetings are being held to discuss lands, easements, rights-of-way and utility relocation. CEQA is needed for real estate actions. A Take Letter was issued on Dike 7.

- **Sutter Butte Flood Control Agency (SBFCA) Sutter Basin Project**

- The contractor continued conventional method slurry cutoff wall construction. Cutoff wall production to date is about 95% complete and one of the three headings is working double shift operations. In addition, two Deep Soil Mixing cutoff wall construction headings are underway and they are currently about 75% complete. Levee regrade operations for a 1-mile stretch of levee began in late August. As previously reported, the contractor has encountered cultural resources impacts during ground disturbing activities which the SBFCA team are assisting USACE to resolve. Staff continues to participate in USACE project management team meetings.

- **Reclamation District 17**

- Staff is working with Reclamation District 17 to address comments provided by USACE for Permit application 18980-1, approved conditionally by the CVFPB during the August CVFPB meeting. The scope of this levee repair project is to construct a new seepage berm with chimney drain, ten additional chimney drains, and the authorization of the ten previously constructed seepage berms completed during the RD17 2017 Emergency Flood Project. Staff plans to issue an encroachment permit as soon as the USACE Categorical Permission letter for Section 408 request is available.

- **West Sacramento, CA Project**

- The West Sacramento General Reevaluation Report was federally authorized by the Water Resources Development Act of 2016. Some funding for preliminary engineering and design activities was provided in the USACE 2018 Work Plan. The initial design efforts are focusing on two small areas along the Yolo Bypass

along the west side of the basin. A consultant contract for engineering and design activities is anticipated by the end of September.

Operational Program: Adequate Progress

Staff received the 2019 Annual Report of Adequate Progress toward urban level of flood protection from the Three Rivers Levee Improvement Authority (TRLIA). Staff posted the reports to the CVFPB website (<http://cvfpb.ca.gov/adequate-progress/>)

Operational Program: Safety Element Review

No updates this month.

Operational Program: Special Projects

- **Western Pacific Interceptor Canal Culvert Replacement Project**
 - The Department of Water Resource's Sutter Maintenance Yard began construction on September 9, 2019. It is anticipated that construction will take place over the next 3 weeks. Staff will provide an update to the CVFPB upon completion of the project.
- **Chester Diversion Dam**
 - Staff received a second round of comments from CalOES on the Emergency Action Plan (EAP) for the Chester Diversion Dam. Staff is working with DWR to respond to those comments and resubmit the EAP as soon as possible.