

Tule River – Spillway Enlargement Project

- Project Name: Tule River Spillway Enlargement Project, Tulare County, California
- Congressional District: Vacant (CA-20), Jim Costa (CA-21), David Valadao (CA-22)
- Business Line: Flood Risk Management
- Authorization: Flood Control Act, 1936 (P.L. 74-738), Sec. 6; Water Resources Development Act 1999 (P.L. 106-53), Sec. 101(b)(4).
- Phase: Phase 2 Construction
- Problem Statement: In April 2003, the Lower Tule River Irrigation District, on behalf of itself, the City of Porterville, the Tulare Lake Basin, and the Counties of Tulare and Kings, entered into an agreement as the local sponsor. Dam safety seismic concerns put the project on hold until mitigation measures could be identified. The U.S. Army Corps of Engineers (USACE) completed a Baseline Risk Assessment and presented it to the Dam Safety Oversight Group (DSOG) in July 2014. The DSOG determined that both seismic issues and seepage issues were less severe than previously thought, and thus reclassified the dam from Dam Safety Action Classification (DSAC) 2 to DSAC 3 in July 2018. In May 2018, USACE completed the Level 3 Economic Update which certified the cost estimate and overall benefits for the project.
- Project Description: Raise spillway sill at the Richard Schafer Dam by the construction of a 10-foot-high, 365-foot-long, curved ogee weir across the Success Lake spillway. Project also includes the relocation of Spillway Road; SCE Pole Raise; armoring of Hwy 190 Bridge and Frazier Dike; floodproofing restrooms; construction of a new high-water boat ramp; relocation of Rocky Hill Recreation Area storage tank, well, and metal shed; construction of a seepage berm; relocation of SCE utilities; and construction of an earthen berm to protect the Tule Recreation Area well and storage tank. The Project plan includes the acquisition and management of approximately 832 acres of land for environmental mitigation.
- Economics: BCR 1.1 @ 2.75%; 0.53 @ 7%
- **Cost:** Total project cost (March 2022) = \$139,500,000
- **Cost Share:** 100% Federal. Project was fully funded to completion under the Bi-Partisan Budget Act of 2018 (PL 115-123).
- Schedule:
 - Phase 2 Construction Completion: November 2024
 - Environmental Mitigation Contract Award: July 2023 (A)
 - Project Physical Completion: September 2028
 - Project Fiscal Completion: December 2028



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for detailed project information



1325 J St Sacramento, CA 95814



Frazier Dike











AS OF 03APR2024



SACRAMENTO DISTRICT PROJECT PLACEMAT

- Non-Federal Sponsor: Central Valley Flood Protection Board, Lower Tule River Irrigation District (LTRID)
- Risks / Mitigation Strategy:
 - Undetonated blasting agents (UBA) were discovered on 260CT23 within the spillway area (right abutment) and additional fragments of blasting agents were also found in the waste rock disposal area. A modification to have the PH 2 contractor bring on a subcontractor who can perform the remaining excavation was issued. Target completion to clear site from UBAs and the remaining excavation on the right abutment is 12APR24. Potential schedule/cost impacts are currently being assessed by USACE PDT.
 - Mass concrete. Engineering has reviewed the results of the Trial Ogee Concrete Section and observed several deficiencies. Deficiencies appear to be attributed to means, methods and workmanship and PDT is working the KTR to resolve those challenges. PDT is proceeding with a second full scale trial section before Ogee construction can move forward. Ph 2 Construction schedule could be affected.
 - NFS's cash flow is limited in acquiring properties. Properties acquisition might not be complete by the time of Phase 2 construction completion and might impact the Lake operations. USACE Team continues having LERRDs Bi-weekly Working Group Meetings between USACE and NFS to strengthen the partnership and be proactive on LERRDs issues.
- Other Project Information:
 - Phase 1 construction was completed on 28FEB22. As of APR2024, PDT is tracking November 2024 for PH 2 construction completion.



Spillway Model With Ogee Weir













Ogee Weir Physical Model



AS OF 03APR2024