

Central Valley Flood Protection Board Meeting
February 26, 2016

INFORMATIONAL BRIEFING

FLOOD SYSTEM REPAIR PROJECT

(Dave Wheeldon, Ran Singh DWR)

BRIEFING SUMMARY

Flood System Repair Project (FSRP):

A near term flood risk reduction action under the State Systemwide Investment Approach (SSIA) funded by Proposition 1E to cost-share with Local Maintaining Agencies (LMAs) to address the following types of SPFC issues:

- Repair documented critical problems – levees, hydraulic structures, channels of the State Plan of Flood Control
- Repair deteriorated levee patrol roads for emergency response and maintenance needs
- Allow for proactive repair of minor levee problems

FSRP Implementation:

- On an annual basis, critical sites are identified and vetted with LMAs by evaluating known past performance levee problems
- Critical sites are prioritized and notices of program eligibility sent to LMAs.
- Project Agreements are developed with participating LMAs
- Design and Construction begins

Program Status:

- Currently implementing 14 FSRP Projects throughout the Sacramento and San Joaquin River Systems
 - Contracts in-place, design and construction activities have begun
 - Total State Investment of \$17.9 million
 - Local Share of approximately \$1.7 million
 - 9 All-Weather Access Road Repair Projects (104 miles)
 - 3 Critical Erosion Repair and 1 Structure Repair Projects
 - SERP Proactive Sites
- 20 FSRP Agreements in Development
 - Letters of Intent to Participate received from LMA
 - Formal Agreement development in process
 - Total Estimated State Investment of \$41.9 million
 - Local Share of approximately \$6.3 million
 - 7 All-Weather Access Road Repair Projects (40.5 miles)
 - 13 Critical Erosion Repair Projects

Levee Penetrations and Rehabilitation (LPR)

The Levee Penetrations and Rehabilitation program is a component of FSRP, and complies with the FSRP program guidelines and policies. LPR addresses the following items:

- Repair critical past performance problems related to levee penetrations (pipes, culverts, utilities) in partnership with Local Maintaining Agencies (LMAs)
- Assist LMAs to proactively repair penetrations related damages to the SPFC facilities that are not considered routine maintenance

Flood Maintenance Staff has coordinated with other DWR and USACE penetration inspection efforts to develop a prioritized list of critical levee penetration issues within the SPFC. Penetrations that are likely to qualify for FSRP-LPR assistance include gravity storm drain pipes, disused pipes, and non-gravity stormdrain penetrations identified as SPFC Facility. Penetrations that are not eligible for FSRP-LPR consideration include penetrations that have CVFPB permits requiring the owners to repair, penetrations that are identified in the O&M manuals with a function other than storm drainage or have identifiable beneficiary and penetrations that don't have permitting record, but have identifiable beneficiary.

Currently, FMO staff are evaluating existing penetrations data, and developing procedures for accessing and evaluating priority penetrations. Identified critical penetration repairs will be implemented through the existing FSRP process.