Central Valley Flood Protection Board Meeting
January 22, 2016

INFORMATIONAL BRIEFING – SOUTH SACRAMENTO COUNTY STREAMS PROJECT, SACRAMENTO COUNTY

BRIEFING SUMMARY

Background

The South Sacramento County Streams (SSCS) drainage basin lies southeast of the city of Sacramento. A portion of the basin lies within the Sacramento city limits, while the remainder is within Sacramento County. The SSCS drainage basin has a long history of flooding during heavy rainfall. Past flooding in 1952, 1955, 1962, 1963, 1982, 1985, 1986, and 1997 damaged residences, businesses, and agricultural land and disrupted transportation and public facilities. To address potential flood hazards the SSCS Project was authorized by the Water Resources Development Act of 1999. The selected plan, described in the 1998 Final Feasibility Report, includes a combination of flood protection features including raising and extending levees, installation of concrete floodwalls, and modifications to existing channel geometry.

- Project Cooperation Agreement (PCA) and Local Project Cooperation Agreement (LPCA) were executed in May 2005.
- Amendment 1 to PCA and LPCA were executed in 2007. The amendment allows for State advancement of non-federal funds to the U.S. Army Corps of Engineers (USACE).
- Several Pre-Construction Engineering and Design (PED) agreements were executed between SAFCA and USACE prior to PCA completion.
- The project was divided into four phases to streamline design and contracting (Figure, 1 Map).
- The remaining phase, contract 2D1, is expected to begin construction in April 2016 and estimated to be completed by late 2016.
- The Sacramento Area Flood Control Agency (SAFCA) is taking the lead in the Florin Creek Multi-Use Basin (Permit No. 19013, conditionally approved September 2015) project scheduled for 2016 construction. The Basin project is an integral part of the Florin Creek Project.
- The Project Delivery Team (PDT) consists of project managers, engineers, attorneys, real estate and environmental specialists from USACE's Sacramento District, Department of Water Resources' (DWR) Flood Project Office staff working on behalf of the Board, and Board staff.

Design and Construction Status

The authorized project purposes are flood risk reduction and ecosystem restoration. Flood risk reduction features are designed to adequately and safely pass the Risk & Uncertainty (R&U) flood event, the 1% flood event at 95% assurance with 2 feet of freeboard, or at 90% assurance with 3 feet of freeboard.

The following describe the completed design and construction phases of the project:

- Flood walls and levees along the north side of Unionhouse Creek from Franklin Boulevard to Union Pacific Railroad (UPRR) (Contract 1B2)
- Flood walls and levees along Elder Creek between Morrison Creek and Franklin Boulevard (Contract 1B2)
- Floodwalls and levees along Morrison Creek between Franklin Boulevard and UPRR (Contract 1B1)
- Levee along the left bank and floodwall along the right bank of Florin Creek from Franklin Boulevard to Elder Creek (Contract 1B2)
- The Perimeter levee around the Regional Wasterwater Treatment Plant (SRCSD Contract)
- Levee and floodwalls along North Beach Lake/Morrison Creek from the UPRR to Interstate Highway I-5 (Contract 1A)
- Floodwall along left bank of Morrison Creek from UPRR to Unionhouse Creek (Contract 2A)

The following describes the activities associated with the last phase of this project (Contract 2D1) scheduled for 2016 construction.

- Design was completed in August 2015
- Temporary Permit to Enter (PTE) from the County was received on 6 April 2015.
- Construction contract was awarded on 26 June 2015.
- Notice to Proceed was issued on 16 July 2015.
- Due to delay and incomplete/inadequate submission of pre-construction submittals the USACE and Non-Federal partners agreed in early September to delay the start of the construction to 2016.
- It is expected that construction will be completed by late 2016.

Completed Project Elements

- Approximately seven (7) miles of flood wall construction.
- Approximately nine (9) miles of levee improvement (levee raise, widening, slope flattening, relief wells)
- Approximately 1.5 miles of new levee construction
- Approximately 200 acres of ecosystem restoration t
- hat provides open water wetland, riparian, and grassland habitats

Challenges and Solutions

O&M Easement along North Beach Lake Levee: The construction of levee and channel improvement along the Beach Lake levee (Contract 1A) was completed in 2006, and only partial O&M easements were acquired at that time. USACE and Non-Federal partners are working together to obtain O&M easements for the already completed phase of the project. This work involves intensive search and documentation of old titles, records, and deeds of parcels along the project footprint. Continuous collaborative meetings with various stakeholder partners are helping to acquire the needed information.

Project Finance

- Total Project Cost $112,351,000
- Non-Federal Obligations $27,525,995 - $39,322,850
- State Cost Share Obligations $19,268,196 - $27,525,995
- SAFCA Cost Share Obligations $8,257,799 - $11,796,855
- State Contributions $26,467,303*
- Local Contributions $9,135606*

*Assuming USACE recognizes the submitted credit packages for Lands, Easements, Rights-of-way, Relocations, and Dredge Material Disposal Areas (LEERDS) and In-kind Contribution (IKC)

Next Steps

- Installation of staff gages and automated recording system at Pump station 89 along North Beach Lake Levee, scheduled for end of January 2016.
- USACE to approve the contractor's construction schedule and begin Florin Creek construction in April 2016.
- A credit package was submitted in December 2015 for $3.4 million for contract 1A and 1B. The package is currently under review by the USACE.
- Another credit package is being prepared showing State Contributions for Contract 2A and 2D1, and it is estimated to be about $3 million. This package will be submitted to the USACE by the end of February 2016.
- USACE to submit final Operations and Maintenance Manual to the CVFPB in 2017.

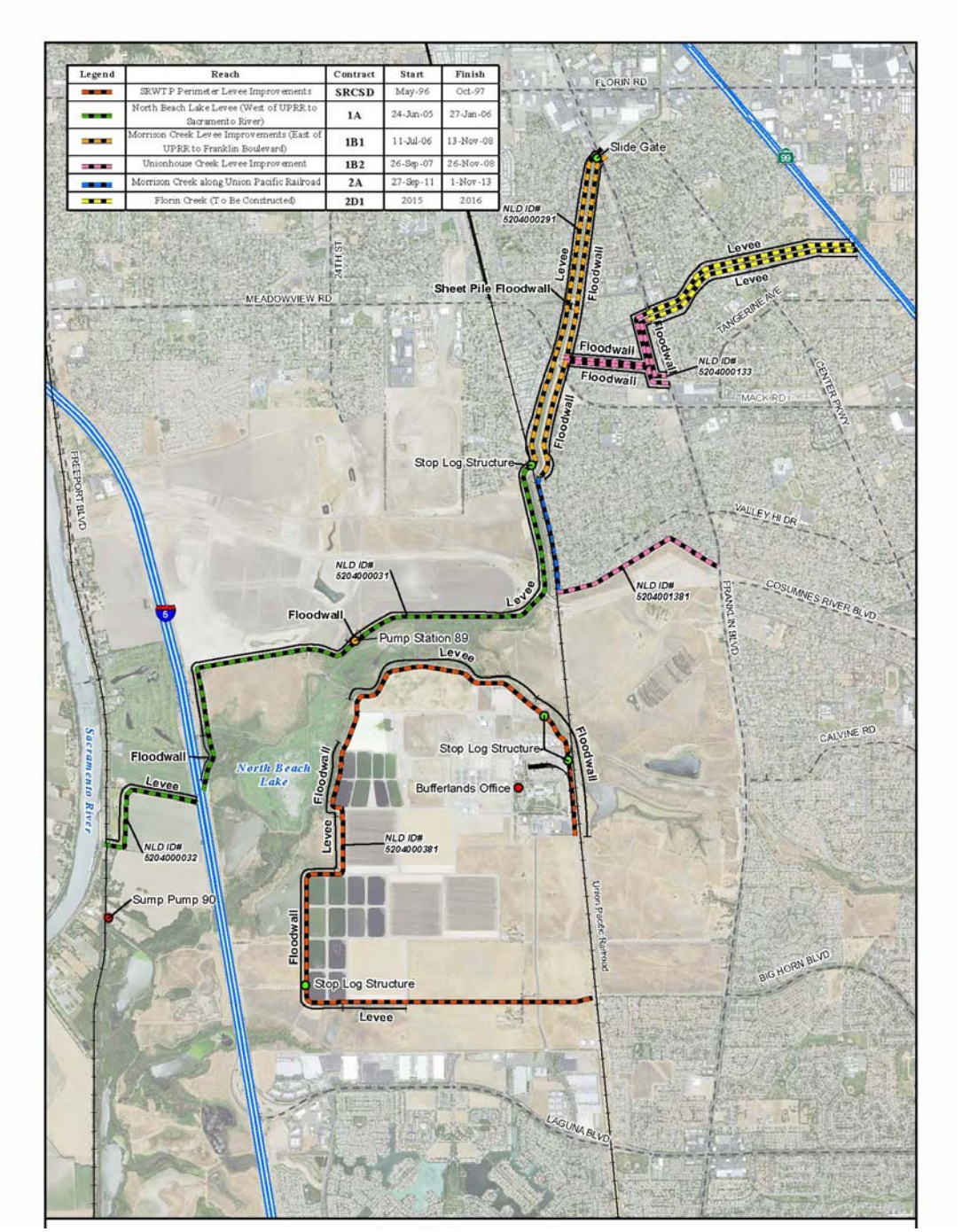

Figure 1, Project Area Map: South Sacramento County Streams Project