



**US Army Corps
of Engineers®**



Lower San Joaquin River Project - Tenmile Slough Reach 30L (TS30L) Levee Improvement Project

Pre-Construction Information Meeting – April 7, 2025

Meeting Format



Presentation

Please hold questions



Q&A



Information Stations

Lower San Joaquin River Project
Tenmile Slough Levee Project (TS 30L)
San Joaquin Area Flood Control Agency

Project Partners

- U.S. Army Corps of Engineers, Sacramento District (Federal)
- CA Central Valley Flood Protection Board (State)
- CA Department of Water Resources (State)
- San Joaquin Area Flood Control Agency (Local)

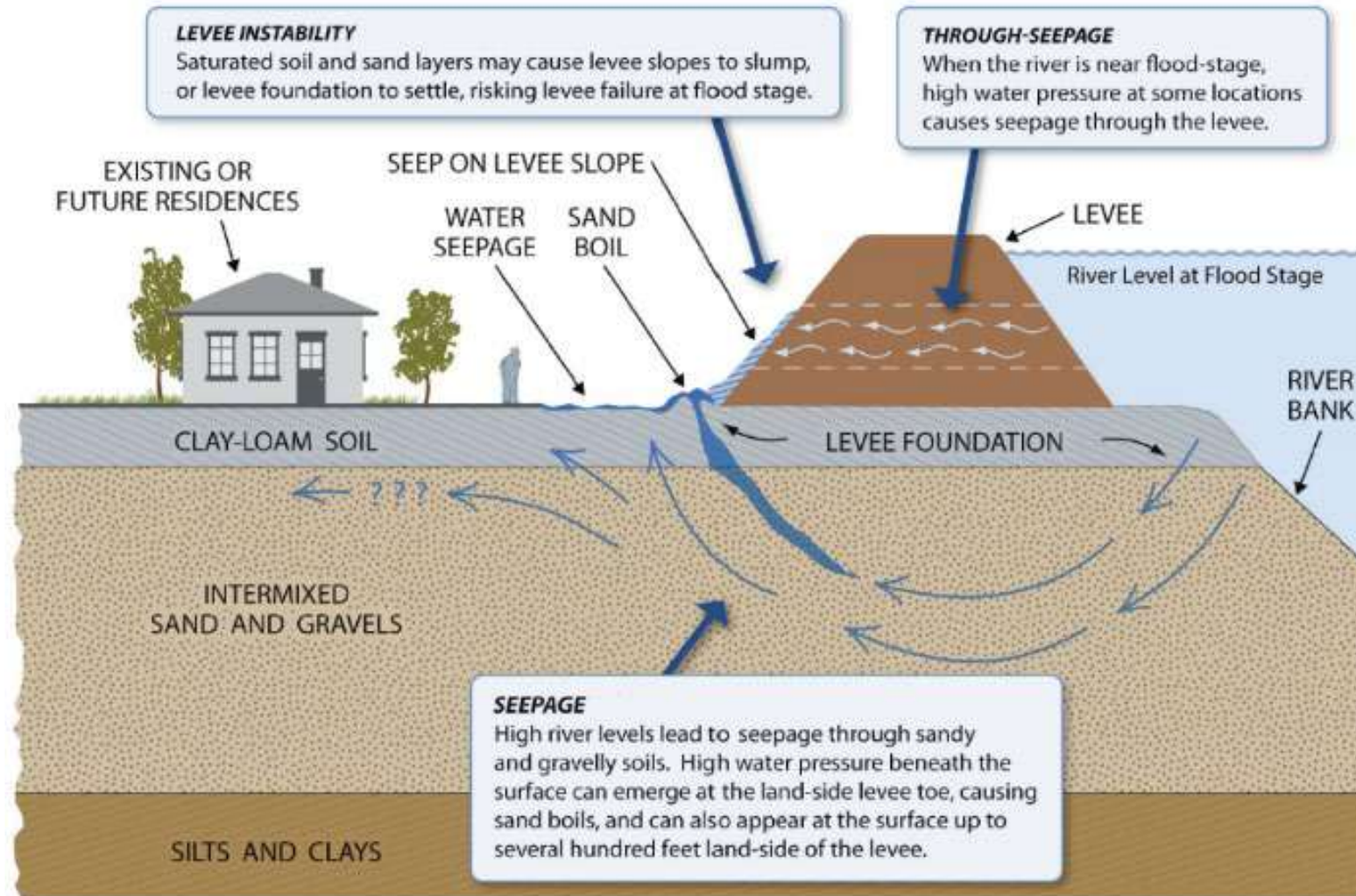


What's the Problem We're Trying to Solve?

- Levees along San Joaquin/Calaveras Rivers need improvements to meet federal standards
- Levees are the last defense against flooding
- North/Central Stockton
 - ~122K residents
 - ~\$28.7B in damageable property

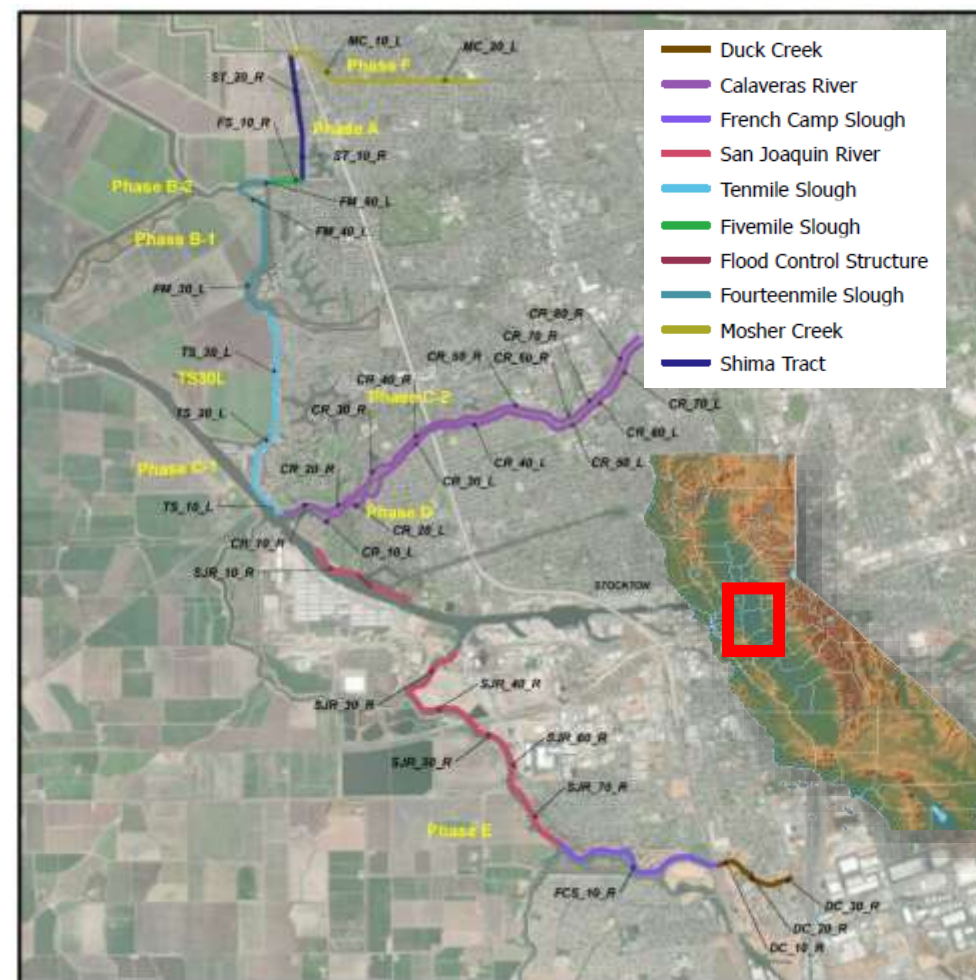


Typical Levee Issues



- \$1.95 billion Federal project
- Cost Share: 65% Fed; 25% state; 10% local
- Increases level of flood protection along Calaveras and San Joaquin Rivers and Delta-front
- Construction of First Planned Reach (TS30L): **2025-2026**
- Designs - Next Several Project Reaches (phased approach): **2025-2034**
- Project Completion: **2039**

Project Plan	
Cutoff Walls	23.7 miles
Seismic Fixes	1.1 miles
Levee Raises (between 1.4' - 4.0')	3.4 miles
New Setback Levee	1.3 miles
Geometry Improvements (levee reshaping)	4.5 miles
Erosion Protection	5.0 miles
New Levee	0.8 miles
Closure Structures (2 locations)	0.6 miles





U.S. Army Corps
of Engineers

SACRAMENTO DISTRICT

CIVIL WORKS

San Joaquin River Basin, Lower San Joaquin River, California

Tenmile Slough Levee (TS 30L)

- “Dryland” levee
- ~1.1 mile long
- Separates the Brookside (landside) from Wright Elmwood Tract (waterside)
- Most at-risk levee reach in system



Visit our
for detailed project information

LSJR PROJECT WEBSITE



1325 J St
Sacramento, CA 95814



(916) 557-5100



spk-pao@usace.army.mil



spk.usace.army.mil

TS30L Construction Activities

- Degrade top-half of levee
- Install bentonite slurry cutoff wall
- Install erosion protection
- Reshape levee
- Install maintenance access roads



TS 30L Levee Design Cross-Section

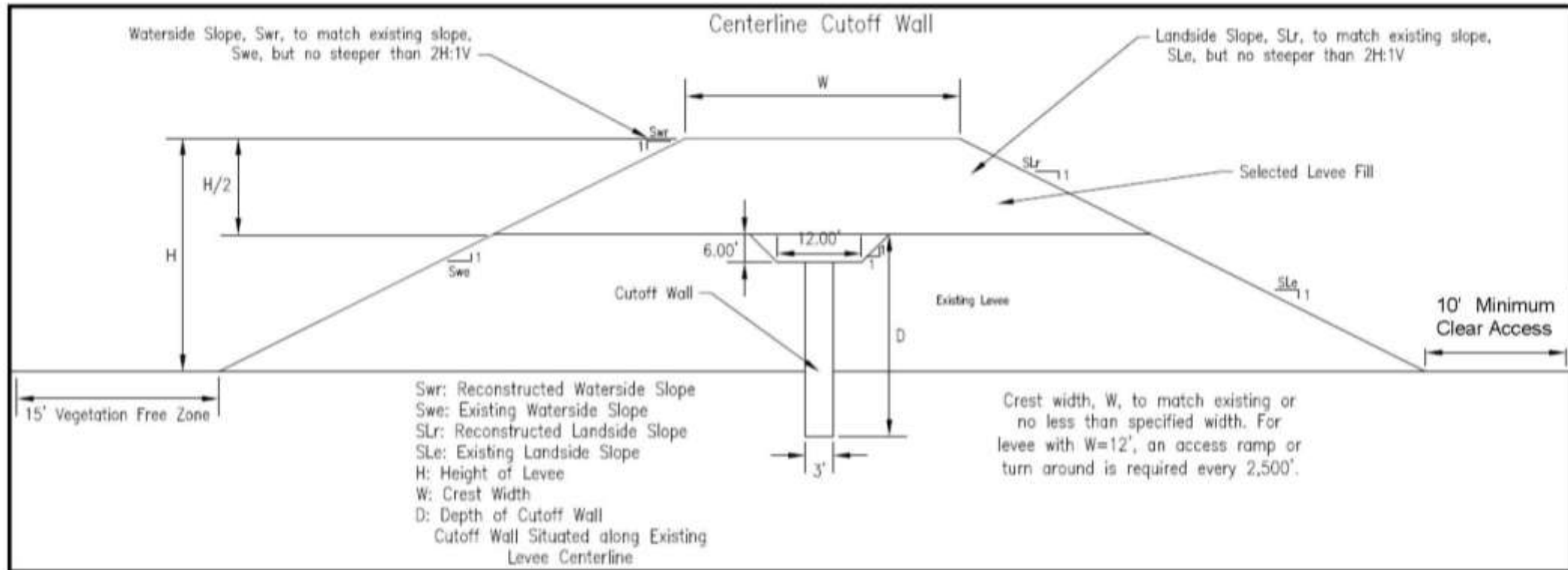


Figure 4-1: Cutoff Wall Typical Plan

Note that the landside easement (right side) shown would be the minimum easement; landside easements would range from 10 feet to 20 feet from the levee toe.

Construction Equipment



Dump Trucks

Bulldozer with GPS



Excavator

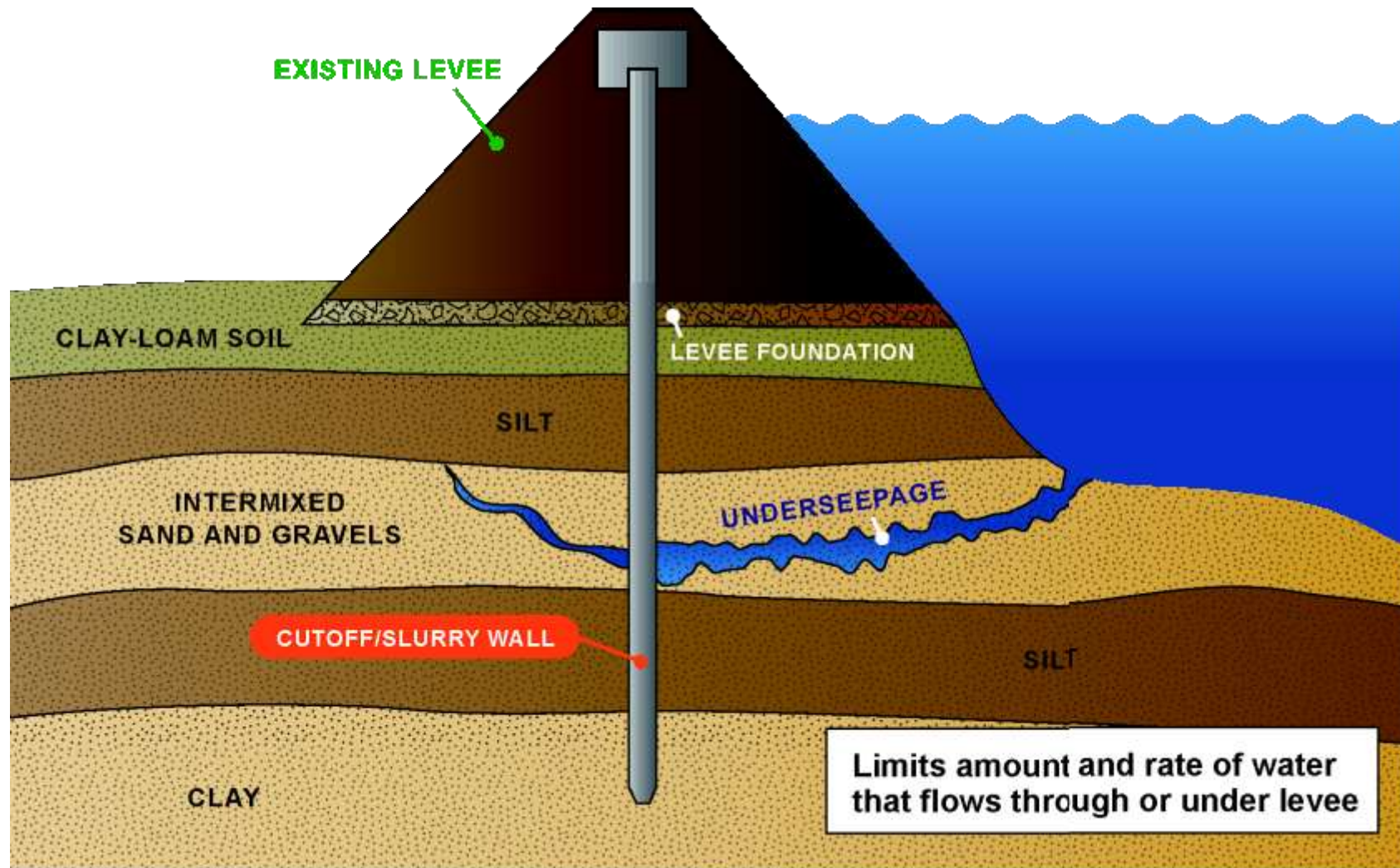
Levee Degrade



Cutoff Wall Construction



Installed Cutoff Wall



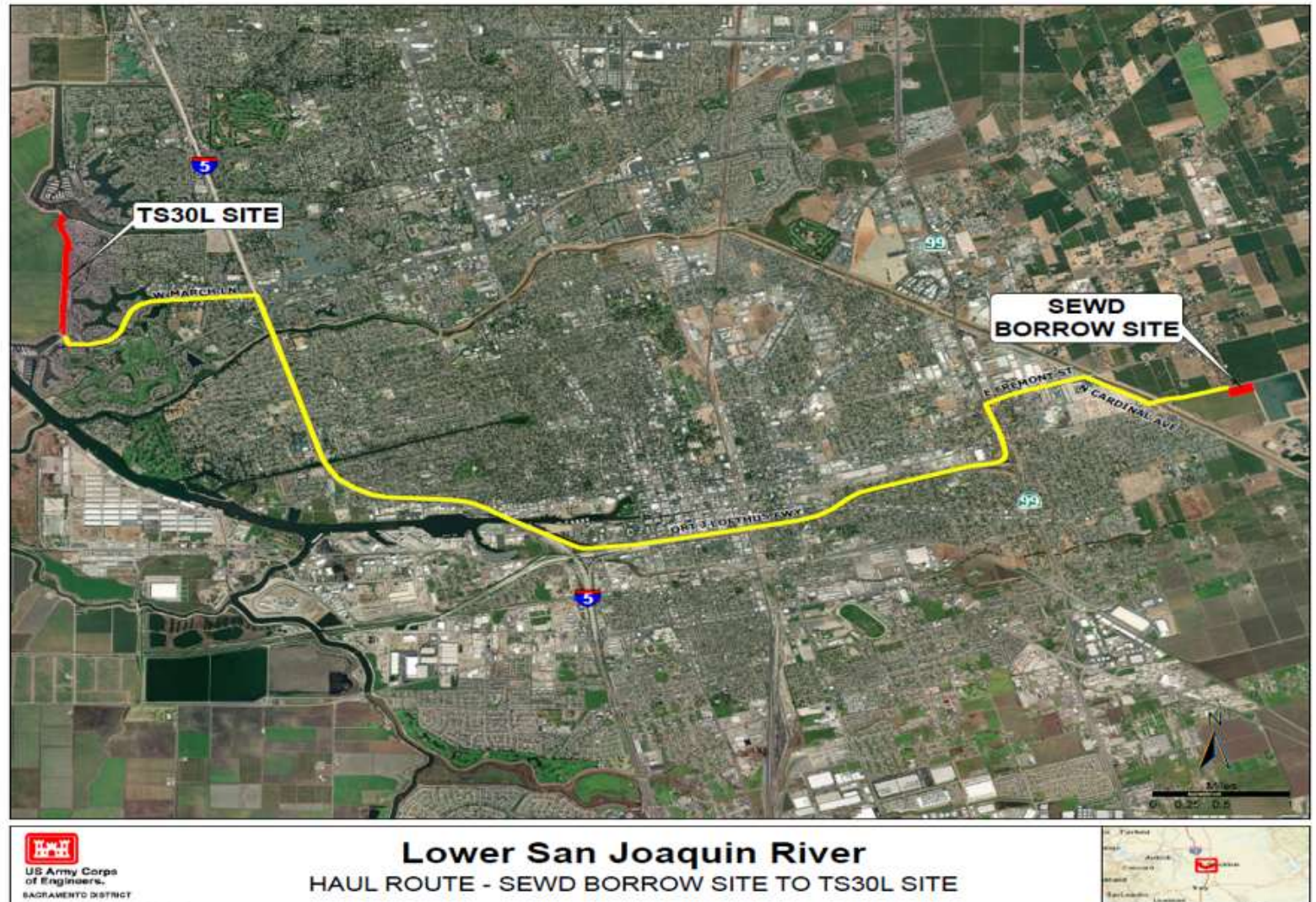
Levee Reshaping/Erosion Protection

- Flatten the levee embankments to 3:1 slopes
- Construct 20' wide levee crown road
- Place rock slope protection on waterside
- Place aggregate on landside



Construction Trucks Haul Route

- Soil Borrow location to Tenmile Slough
 - Borrow Site(SEWD)Location to Tenmile Slough
 - Cardinal Avenue to Hwy 26
 - Hwy 26 to Hwy 99
 - Hwy 99 to Crosstown Freeway
 - Crosstown Freeway to I-5 N
 - I-5 N to W. March Lane
- Construction trucks will use middle lane on W. March Lane



Potential Construction Impacts

Potential Impact	Best Management Practice
Noise	✓ Limited work hours
Dust	✓ Water trucks ✓ Street sweeper on paved access road
Vibration	✓ Pre-construction Property Surveys ✓ Vibration monitors ✓ Established vibration limits & remediation
Construction trucks on March Lane	✓ Middle lane usage only

Construction Schedule

- Two construction seasons (2025 & 2026)
- April 15-November 1 each year
- Construction Hours
 - Monday-Friday
 - 7 a.m. to 7 p.m.
 - Truck traffic: 8 a.m.-4:30 p.m.





**Tenmile Slough
Levee Project**

**QUESTIONS?
CONTACT US!**

**HOTLINE
(209) 475-7020**

**E-MAIL
info@sjafca.com**

Project Contacts

- www.spk.usace.army.mil/Missions/Civil-Works/Lower-San-Joaquin-River/
- www.sjafca.org/maps/lower-san-joaquin-river-project



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Cutoff Wall Construction



Threats to Levee Stability

