AMERICAN RIVER WATERSHED COMMON FEATURES, WATER RESOURCES DEVELOPMENT ACT OF 2016, SACRAMENTO RIVER EAST LEVEE CONTRACT 2

Draft Supplemental Environmental Assessment / Environmental Impact Report

Sacramento District
US Army Corps of Engineers

22 JULY 2020

Source: U.S. Army Corps of Engineers, Sacramento District
HOW TO PROVIDE COMMENTS

Connect by computer audio OR by phone

Talk:
Use WebEx “raise hand” function by clicking on the three dots

Write:
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***use “SREL Contract 2” in subject line
AGENDA

• American River Watershed Common Features 2016 Project
  • Final Environmental Impact Statement / Final Environmental Impact Report

• Sacramento River East Levee Contract 2
  • Supplemental Environmental Assessment / Environmental Impact Report (SEA/EIR)

• Opportunities for Public Input
Water Resources Development Act of 2016

Emergency Supplemental Appropriations in the Bipartisan Budget Act of 2018
# AMERICAN RIVER COMMON FEATURES (ARCF) 2016

## SUPPLEMENTAL TARGET JAN 2024

**Authorized Plan**

<table>
<thead>
<tr>
<th>Features</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Area Streams Seepage</td>
<td>4 miles</td>
</tr>
<tr>
<td>Sacramento River Seepage</td>
<td>9 miles</td>
</tr>
<tr>
<td>American River Erosion</td>
<td>11 miles</td>
</tr>
<tr>
<td>Sacramento River Erosion</td>
<td>10 miles</td>
</tr>
<tr>
<td>Levee Stabilization</td>
<td>5 miles</td>
</tr>
<tr>
<td>Levee raises</td>
<td>5 miles</td>
</tr>
<tr>
<td>Widen Sacramento Weir and Bypass</td>
<td>1500 feet</td>
</tr>
</tbody>
</table>

**Reduces Risk**

- 500,000 people
- 125,000 structures
- $62 billion protection
CAUSES OF LEVEE FAILURE

Image courtesy of PWRI Web Magazine
SEEPAGE & STABILITY ISSUES ADDRESSED
SREL CONTRACT 2 OVERVIEW
TYPICAL CUTOFF WALL CROSS SECTION

Notes:
1. Levee height shown at 20 feet. Dimensions will vary based on actual levee height.
2. Levee to be degraded by a minimum of 3 feet, up to 1/2 levee height, for cutoff wall construction and then rebuilt with low permeability levee embankment fill (Type 1).
3. Existing vegetation on the waterside and landside would not be disturbed unless designated to be removed.

Source: GEI & HDR 2014, adapted by GEI 2018

Exhibit: Cutoff Wall Cross Section (Typical)
## APRIL – DECEMBER 2021

### Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutoff Wall</td>
<td>1,600 feet</td>
</tr>
<tr>
<td>Staging Area</td>
<td>Front Street; Broadway; Miller Park Overflow Parking Lot;</td>
</tr>
<tr>
<td>Access Points</td>
<td>Front Street; Broadway;</td>
</tr>
</tbody>
</table>

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**Legend**

- **Staging**
- **Project Boundary**
- **Haul Route**
- **Jet Grout Cutoff Wall**
SREL C2 – LITTLE POCKET WORK AREA

APRIL – OCTOBER 2021

Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Conventional Cutoff Wall</td>
<td>900 feet</td>
</tr>
<tr>
<td>Staging Area</td>
<td>Waterside of Levee;</td>
</tr>
<tr>
<td>Access Points</td>
<td>Piedmont Drive; Seamas Ave; Riverside Blvd</td>
</tr>
</tbody>
</table>

Legend

- Staging
- Project Boundary
- Haul Route
- SS Cutoff Wall
SREL C2 – BIG POCKET WORK AREAS

MARCH – OCTOBER 2021

Features

- Cutoff Wall: 7,400 feet
- Staging Area: Zacharias Park; North Point Way Green Space; Benham Way; Garcia-Bend Park
- Access Points: Riverside Blvd; Zacharias Park; North Point Way
SREL C2 – BIG POCKET ACCESS & STAGING

Features

- **Cutoff Wall**: 7,400 feet
- **Staging Area**: Zacharias Park; North Point Way Green Space; Benham Way; Garcia-Bend Park
- **Access Points**: North Point Way; Benham Way; Garcia-Bend Park

**MARCH – OCTOBER 2021**
Limit impact to residential communities by traveling on highways, major streets, and levee crown to extent practical.

Highways and major streets include:

- Interstate 5
- Business 80 / HWY 50
- Front Street
- Broadway
- Piedmont Drive
- Seamas Avenue
- 43rd Avenue
- Riverside Boulevard
- Florin Road
- Pocket Road
PROPOSED ALTERNATE BIKE ROUTE
SUPPLEMENTAL EA/EIR

TOPIC AREAS ANALYZED

- Visual Resources
- Hydrology and Water Quality
- Vegetation and Wildlife
- Fisheries
- Special Status Species
- Cultural Resources
- Transportation and Circulation

- Air Quality
- Greenhouse Gas Emissions and Energy Consumption
- Noise
- Recreation
- Public Utilities and Service Systems
- Hazards and Hazardous Materials
Biking

Bike trail Closed from April 2021 to October 2021:
- Under Pioneer Bridge
- North End of Pocket

Bike detours will be put in place.

Boating & Fishing

Miller Park:
Northern parking lot – closed April 2021 to October 2021
Boat Launch – No closure anticipated

Garcia Bend Boat Launch – Potentially closed from March 2021 – October 2021

Parks

Full Closure of Ellsworth Zacharias and North Point Way green space from April 2021 to October 2021

Traffic

Dust

Mar-Oct 2021
(common to all sites)

Vibration

Noise
MITIGATION MEASURES

Detour Routes

Vibration Monitoring

Dust Control

Water & Air Quality Monitoring

Sources:
- Geo Instruments
- Westchester Dust Control
- Sacramento Metropolitan Air Quality Management District
VEGETATION & WILDLIFE

Trimming and Removing Trees Outside of Bird Nesting Season and to Protect Bats

No impact to fisheries

Comprehensive Monitoring by Qualified Biologists

Night Lighting that Reduces Impacts on Nocturnal Wildlife

Source: Cornell Lab
Source: USFWS
Source: Thomas Dunklin
Source: workzonesafety.com
HABITAT MITIGATION SITE COMPLETE

Beach Stone Lakes Mitigation Site (24.2 acres)

- Northern Woodland – 18.5 acres (YBCU)
- Southern Woodland – 5.7 acres (VELB and YBCU)
- Establishment Maintenance to the end of 2024
CLOSURES AND NOTICES

Stay Informed about Temporary Road and Trail Closures:
– Subscribe to construction and traffic email updates at 
sacleveeupgrades.com
ANTICIPATED CONSTRUCTION SCHEDULE

Pre-construction (November 2020 - March 2021)
– Site prep, cut and trim trees

Site Construction (Summer 2021 - Fall/Winter 2021)
– Install seepage/stability levee improvements
Draft Supplemental EA/EIR is available at:

sacleveeupgrades.com

Public Comment Period: July 8 – August 22, 2020

Final Document Adopted/Certified: Fall/Winter 2020
FOR MORE INFORMATION...

Levee improvements at six locations on tap for 2020

The Sacramento Metropolitan area is one of the most at risk areas for flooding in the United States due to its location at the confluence and within the floodplain of two major rivers. The 1997 Sacramento flood events revealed deep under-seepage on the Sacramento River, including in areas that were remediated to address through-seepage with shallow cutoff walls in the early 1990s.

We are currently underway with construction on Sacramento River East Levee Contract 1, which includes construction of approximately 3 miles of levee improvements—to include a combination of seepage cutoff walls and seepage berms—at 5 locations along the Sacramento River East Levee. Site preparation was completed in January 2020, and levee construction is scheduled to continue through December 2020.

A 490-foot-long seepage berm was constructed earlier this year on the landside levee adjacent to Front St, wrapping up in January 2020. In total, the American River Common Features 2016 project is expected to construct approximately 9 miles of slurry cutoff walls along the Sacramento River East Levees, and will add erosion protection at a number of locations.
HOW TO PROVIDE COMMENTS

1. Comment now:
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Use WebEx “raise hand” function by clicking on the three dots

2. Write:
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