



American River Common Features 2016 Construction Update July 2020

Highlights (last 30 days)

Sacramento River East Levee Contract 1 Construction Activity

Construction activities are fully underway to include continued material/equipment delivery/erection, batch plant installations, berm construction, and the installation of the first cutoff walls just north of Sutterville Rd and in the Big Pocket!

Looking Ahead (next 30+ days)

Construction Update - What can I expect?

Construction activity to continue aggressively and working hours to extend to 7pm. This is a large flood risk reduction project that is required to be complete within a short window outside of the flood season. Construction is taking place in very limited space and within close proximity to homes. You will notice large construction equipment, significant truck traffic, there will be increased dust and noise in the area and the bicycle path will be closed throughout construction. Working Hours: Monday– Saturday 7am-7pm

Freeport Regional Water Facility Staging

- ◆ Slurry Pond operations
- ◆ Typical office traffic

Garcia Bend Park Staging

- ◆ Slurry pond and batch plant operations
- ◆ Bentonite and cement deliveries daily

Big Pocket

- ◆ Deep cutoff wall begins
- ◆ Traditional cutoff wall installation begins with multiple headings

Little Pocket

- ◆ Deep-Mix Method drill rig erection on Seamas Ave
- ◆ Deep cutoff wall begins

Sutterville

- ◆ Rebuild the levee
- ◆ Truck Traffic = 40 trucks/day

Miller Park

- ◆ Continued construction of seepage berm
- ◆ SMUD/PG&E pipe relocation
- ◆ Parking stalls will remain open Saturday and Sunday.
- ◆ Truck Traffic = 30-40 trucks/day

Question of the Month

What is the Deep Mix Method, and what does it do?

The deep mix method (DMM) is one of three ways we are installing seepage cutoff walls in the Sacramento River East Levee, the other two being conventional and jet grout cutoff walls. Using DMM, we can inject engineered slurry material up to 135 feet deep to create a wall that will stop seepage from going through or under the levee structure. Conventional cutoff walls are installed using a long-stick excavator that digs out the fill material while slurry is added; however, these machines have a limited reach (80 feet or less). When deeper cutoff walls are needed, DMM machines with extremely long augers drill through the center of the levee, injecting and mixing slurry material with native soil to create a low-permeability cutoff wall. This process is much slower but allows for consistent application and setting of the materials where other equipment cannot reach.

Information Resources:

Project Webpage:

www.sacleveeupgrades.com

Sacramento District Homepage:

www.spk.usace.army.mil

Contact Information:

916-557-5100

spk-pao@usace.army.mil

Upcoming Milestones

SREL Contract 1

[Construction Info Presentation](#)
[Construction Info Slides](#)

Pocket Levee Improvements

April - November 2020

Sutterville Levee Improvements

April - November 2020

Miller Park Levee Improvements

July - November 2020

Pioneer Reservoir

Levee Improvements

May - July 2020

SREL Contract 2

*Supplemental Environmental
Assessment/Impact Report*

Public Meeting

July 22, 2020

Erosion Contract 1

*Supplemental Environmental
Assessment/Impact Report*

Public Meeting

July 27, 2020

Meeting info to be posted at project webpage

**All Dates Subject to Change*