ROD CONSTRUCTION
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Project Profile

Calaveras River Levee, 2019
Stockton, CA

Rod Construction performed emergency levee repair along the Calaveras River.

Project Highlights Included:

- Vegetation Removal
- Closing the Pedestrian Bike Trail
- Cofferdam installation from Water Side
- Import Trucking of Quarry Stone

The remedial construction work for this project involves rehabilitating the existing levee that has experienced flood damage.

Even with the engineered design of the Cofferdam, there is always concern when providing a safe work area bank of the Calaveras River. The hydraulic pressures and unknown characteristics of large bodies are very difficult to plan into the design. Our experienced subcontractor (CS Marine) in combination with our design engineer (Chuck Kull/NV5) were able to address these concerns from their vast previous experience.

During the clearing and grubbing operation, it became very apparent the existing conditions were not matching up with the plan drawings of the waterside levee slope. Through depth sounding of the river. We discovered that there was significant sloughing of the slope (different from the plan drawings). Ultimately this increased the quantity of quarry stone and delayed the project to survey and for the USACE to provide a new design for the waterside slope.

Originally, the quantity for quarry stone was 1,400 tons. With the unexpected differing site conditions, that increased to approximately 3,000 tons. Managing the haul route and safely driving the trucks on the levee proved to be challenging. We had to ensure that the truck drivers were aware of their route and any problematic areas on the levee restricting wide trucks.

The construction on this project was completed on time, on budget, and with positive remarks during the Contractor rating process.

Project Information

Prime Contractor:
Rod Construction
3960 Industrial Blvd. #500
West Sacramento, CA 95691
Tel- (916) 372-5434

Owner:
US Army Corps of Engineers
Sacramento District
1325 J Street
Sacramento, CA 95814
Melissa DeNigris: 916-557-5137