

**Construction Method:**

**Guided Auger Boring**

**Project:** SMP Control Tank, Calleguas  
Municipal Water District

**Location:** Port Hueneme, California

**Project Description:**

STC provided design review services and construction inspection for five 66-inch trenchless crossings under various railroads and flood control channels in Port Hueneme, California. The five crossings were originally specified as microtunnels by others, and included shallow depths of cover and loose soils with groundwater just above the pipeline crown. However, after looking at several aspects of the design including casing length and diameter, depth to pipeline crown and nearby geotechnical and hydrological conditions, STC recommended that either guided auger boring or guided pipe ramming be utilized to complete the crossings. During the bidding phase, the two technologies were bid against each other to ensure competitive pricing.



**Job Scope:**

- ❖ Design and Constructability Review
- ❖ Specifications
- ❖ Cost Estimates
- ❖ Bid Phase Services
- ❖ Specialized Construction Management



STC provided specifications and input to the plans for both technologies, and answered trenchless RFIs prior to construction. STC provided on-site specialty construction inspection for the five crossings, which were constructed using a combination of guided auger boring and open shield pipe jacking.

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