

Caltrans

Pitkins Curve Bridge and Rock Shed



CLIENT CONTACT

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PROJECT STATISTICS

Owner Caltrans

Dates 2009–Present

Value of Services \$1M

Construction Costs \$29M

SERVICES PROVIDED

Construction Management

- Construction Engineering
- Construction Inspection

PROJECT ELEMENTS

- bridge
- Caltrans
- earthwork
- rock shed
- shoring
- structural concrete
- tie back walls

PROJECT OVERVIEW

This \$29M project features a unique cast-in-place segmental bridge combined with a rock shed on the ocean side of California State Route 1 near Big Sur. This stretch of highway is considered one of the state's most scenic drives, and is frequented by tourists as well as providing vital transportation for local residents.

Susceptible to frequent, potentially-deadly landslides, the Pitkins Curve rock shed will help deflect the large, vehicle-size boulders that periodically fall onto the highway.

The new bridge at Pitkins Curve bypasses a geologically unstable area

of land, helping to make this portion of Highway 1 much safer for motorists.

The complexities of this project have led to multiple technical submittals that require approval through engineering analysis, including shoring and excavation, temporary trestles, and numerous working drawings for various operations.

Pitkins Curve's remote location adds another challenge: cellular phone reception and landline telephones are not readily available, requiring creative solutions to manage communications.

