



## Hunter and Panther Creek Seismic Restoration Fact Sheet

(last revised 06/2016)

### The Project

The project will replace the Hunter Creek and Panther Creek Bridges. The new bridges will be on the same centerline alignments, will have 8-foot-wide shoulders, and separated 6-foot-wide pedestrian paths.

### Project Location

Located on US Route 101 in Del Norte County between postmiles 8.2/8.7, approximately 18 miles south of Crescent City.

### Benefits

The replacement of Hunter Creek and Panther Creek Bridges will provide seismically sound structures that meet current highway standards.

### Project Status

The draft environmental document (Initial Study/Environmental Assessment) and its associated technical studies have been prepared and will be available for public review.

### Project Costs

The total project cost is approximately \$15.8 Million.

### Project Schedule

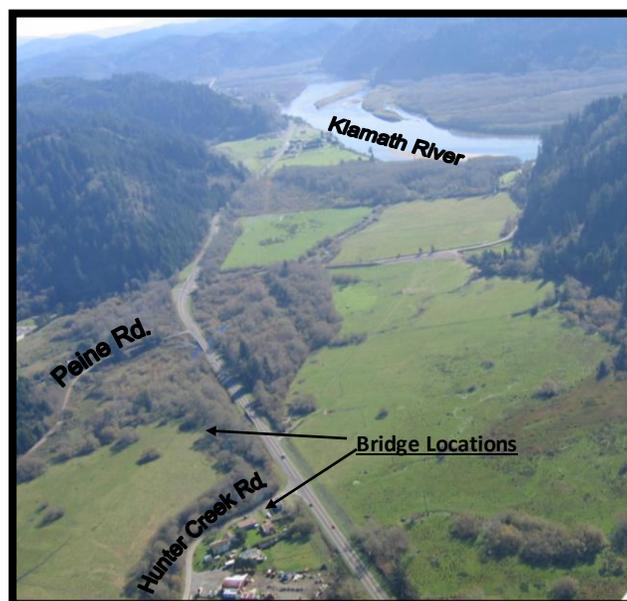
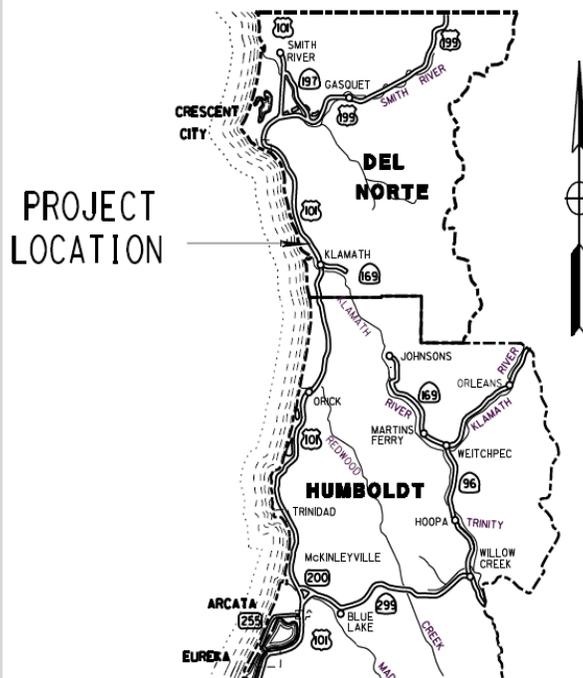
Draft Environmental Document: July 2016  
Final Environmental Document: May 2017  
Begin Construction: Targeting Summer 2018  
Year of Completion: Targeting Fall 2020

### Project Website

[http://www.dot.ca.gov/dist1/d1projects/hunter\\_panther/](http://www.dot.ca.gov/dist1/d1projects/hunter_panther/)

### Contacts

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*Project area looking south*

## Project Need

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Replacement of Panther Creek and Hunter Creek Bridges is necessary to ensure that U.S. Highway 101 remains passable after a maximum anticipated seismic event. Structural and geologic investigations conducted for Panther and Hunter Creek bridges have determined that the existing bridges are vulnerable to liquefaction during strong earthquakes. The replacement of Hunter Creek and Panther Creek Bridges will provide seismically sound structures that meet current highway standards.



*Existing Panther Creek Bridge*



*Existing Hunter Creek Bridge*

## Proposed Project

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- Bridges will be built in stages to allow traffic to pass.
- The Hunter Creek Bridge will be a two-span bridge and will be constructed along the same alignment as the existing bridge.
- The Panther Creek Bridge will be a single-span tied-arch bridge and will be built along the same alignment of the existing bridge. The tied-arch design will span the water and avoid piles or trestles in Panther Pond.
- Piles for the Panther Creek Bridge will be oscillated into place instead of impact driven to avoid potential hydroacoustic impacts to aquatic species in Panther Pond.

## Panther Creek Details

	Panther Creek	
	Existing	Proposed (Single-Span)
Type	PC/PS* inverted U Girder on RC** concrete pile bents	
Length (feet)	137	160
Width (feet):	32.5	53.3
Number of Piles	28	10 (5 per abutment)
Construction Method		Jack-and-Slide
Construction Date	1956	2018-2020

\*CIP/RC – Cast-in-Place/Reinforced Concrete

\*\*CIP/PS-Cast-in-Place/Prestressed



**Simulation of Panther Creek Bridge**

## Hunter Creek Details

	Hunter Creek	
	Existing (Three-Span)	Proposed (Two-Span)
Type	CIP/RC* slab on reinforced concrete pier walls	CIP/PS** slab on 24 inch driven steel piles
Length (feet)	107	130.0
Width (feet):	31.8	50.0
Number of Piles	28	22
Construction Method		Half width
Construction Date	1951	2018-2020

\*CIP/RC – Cast-in-Place/Reinforced Concrete.

\*\*CIP/PS-Cast-in-Place/Prestressed



**Simulation of Hunter Creek Bridge**