

166 CUYAMA REHAB

Project Description

This project proposes to rehabilitate State Route 166 in Santa Barbara County from 5.0 km east of Cottonwood Canyon Road to 1.1 km east of Cuyama River Bridge. The proposed project will overlay the existing pavement. The anticipated work will also include the following: widen shoulders from KP 96.8 (PM 60.2) to KP 113.6 (PM 70.6), widen Branch Canyon Bridge and Salisbury Canyon Bridge, replace existing dikes with mountable dikes, replace existing concrete headwalls with flared end sections, extend culverts, construct left turn channelization at the school driveways at KP 104.9 (PM 65.2) and KP 111.2 (PM 69.1), and construct a two way left turn lane through New Cuyama from KP 103.5 (PM 64.3) to KP 104.0 (PM 64.6).

A. Existing Highway

Existing State Route 166 is functionally classified as a Minor Arterial within the project limits. The Caltrans Safety Committee identified the route as a Safety Corridor in District 5. State Route 166 is a two-lane conventional highway. The posted speed is 88 km/hr (55 mph). Within the project limits, minimum roadbed consists of two 3.6 meters lanes and a shoulder width that varies from 0.0 to 1.2 meters. The adjacent highway segments have 1.2 meter shoulders. A mandatory design exception for the non-standard shoulder width was approved April 24, 2002. B

Traffic is interregional in nature. This segment of highway is designated as Federal Aid Primary with flat, rolling, and mountainous terrain. Route 166 is not a SHELL (State Highway Extra Legal Load) Route. Although it crosses the Santa Barbara and San Luis Obispo County limits, the Post Miles are continuous.

B. Safety Improvement

The safety improvements proposed are as follows: widen the Branch Canyon Bridge and Salisbury Canyon Bridge, upgrade bridge railings, and implement a traversable design on drainage structures. Incremental safety improvements include shoulder widening to 1.2 meters, construct left turn channelization at the school driveways at KP 104.9 (PM 65.2) and KP 111.2 (PM 69.1), and construct a two way left turn lane through New Cuyama from KP 103.5 (PM 64.3) to KP 104.0 (PM 64.6). Six utility poles and a gas regulator assembly are proposed to be relocated outside of the clear recovery zone within the proposed left turn and two way left turn channelization. Fifteen trees are proposed for removal to increase the overall clear recovery zone width from 2.7 m to 4.0 m.

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