

MRN-1-PM 10.95

Caltrans EA 04-4S220



Existing Conditions

- 2-Lane undivided conventional highway
- Lane width varies from 10' to 11'
- Outside paved shoulders varies from 0 to 2.5'
- Landslide created a slipout on the downhill side of the southbound lane.
- Slipout is located about 20' below the road.

Proposed Work

- Construct soldier pile tieback retaining wall (Approximately, length = 224', not exposed)
- Provide 12' lanes and 4' shoulders
- No improvement to horizontal curve
- Replace culverts and address drainage issues



MRN-1-PM 8.1

Caltrans EA 04-4S660



Existing Condition

- 2-Lane undivided conventional highway
- Lane width varies from 9.5' to 11'
- Outside paved shoulders vary from 0 to 2.1'
- Landslide in winter of 2006
- The slipout is located on SB approximately 5.5' from the fog line, and 11.5' on the downhill slope.
- March 2006 slipout was repaired using rock slope protection as a non-wall solution (soft alternative)
- After repair, the roadway exhibited additional cracking and movement
- Indication that the slide was not stabilized by the non-wall solution.

Proposed Work

- Construct soldier pile tieback retaining wall (Approximately, length = 125', exposed Ht = 10')
- Provide 12' lanes and 4' shoulders
- Replace culverts and address drainage issues



MRN-1-PM 6.6

Caltrans EA 04-3S900



Proposed Work

- Construct soldier pile tieback retaining wall (Approximately, length = 925', exposed Ht = 15')
- On the hill side, construct aesthetically treated retaining wall with concrete barrier (Approximately, length=109', Ht=4')
- Provide 12' lane and 4' shoulder
- Replace culverts and address drainage issues

Existing Condition

- 2-Lane undivided conventional highway
- Hills in one side (private) and valley on other side (GGNRA)
- Lane width varies from 9.5' to 11'
- Outside paved shoulders varies 0 to 2.1'
- Landslide in winter of 2006 (northbound)
- Slide is approximately 10' below the road grade
- The failure resulted in a sheer drop to the fog line on northbound side.



MRN-1-PM 7.7

Caltrans EA 04-3S910



Proposed Work

- Construct soldier pile tieback retaining wall (Approximately, length = 532', exposed Ht = 12')
- Provide 12' lane and 4' shoulder
- Replace culverts and address drainage issues

Existing Condition

- 2-Lane undivided conventional highway
- Hills in one side (private) and valley on other side (GGNRA)
- Lane width varies from 10' to 11'
- Outside paved shoulders varies 0 to 2.5'
- Landslide in winter of 2006
- Landslide is approximately 20' to 30' below the road grade.
- March 2006 slipout was repaired using gabion retaining wall and rock slope protection.
- After repair, the roadway exhibited additional cracking.
- Condition suggests deep-seated landslide condition.

