



6A

Segment 6 – Viento State Park to Perham Creek

The Viento State Park to Perham Creek alignment begins east of the Starvation Creek Trailhead to the Viento State Park segment of the HCRH State Trail. It will meander through the forest just east of the OPRD maintenance shop at Viento State Park. Fill is required along some sections to maintain a 5 percent grade. The trail joins the old highway where it follows along the south edge of the freeway (Photo 6A). Then it ramps up to join the old highway again, where the trail will transition back down to freeway elevation. It then passes a very high rock cut and rockfall hazard area (Photo 6C). The current cost estimate reflects extensive rock excavation in this area to maintain the existing fall out area and provide adequate rockfall protection for both Interstate 84 and the trail. When performing this type of work it is also important to meet visual quality objectives of the National Scenic Area. From this point east, the trail diverts from the Highway along the old roadbed to the banks of Perham Creek in segment 7.

Trail Segment Highlights:

- Major rockfall excavation required west of Perham Creek.
- Links historic highway sections.
- Provides parking, staging and trailhead for east and west HCRH State Trail access.



6B

Photo 6A: Trail alignment follows old pavement east of Viento State Park.

Photo 6B: Geography and geology forces trail to parallel I-84. In this case, rock fall protection is required to protect the trail from falling rocks.

Photo 6C: This photo demonstrates some of the difficult challenges along the proposed alignment. A comprehensive rock fall system, which may include catchments and rock meshing is necessary here and along several other sections to protect trail users.



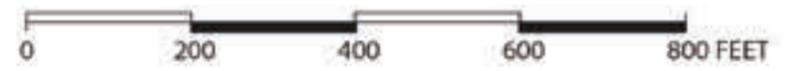
6C

Segment 6 – Preliminary Cost Estimate

Station	Item	Cost
0+00 to 10+50	Trail (3"AC x 12' wide, 10"C.R.Base x 16' wide)	32,000
0+00 to 79+00	Landscape Enhancement (Allowance)	100,000
7+00 to 10+00	Cut Thru Rock Knoll	134,000
10+50 to 21+00	Historic Highway Cleanup -1	52,000
21+00 to 26+00	Rockfall Protection -1	210,000
21+00 to 32+50	Trail (3"AC x 12' wide, 10"C.R.Base x 16' wide)	34,500
29+50 to 32+50	Rockfall Protection -2	126,000
32+50 to 38+00	Historic Highway Cleanup -2	28,000
38+00 to 40+00	Rockfall Protection -3	84,000
38+00 to 40+00	Trail (3"AC x 12' wide, 10"C.R.Base x 16' wide)	6,000
38+00 to 40+00	Adjust Grades to 8% Max	12,000
38+00 to 40+00	MSE Wall	88,000
40+00 to 43+00	Historic Highway Cleanup -3	15,000
43+00 to 46+00	Adjust Grades to 8% Max	18,000
43+00 to 57+50	Trail (3"AC x 12' wide, 10"C.R.Base x 16' wide)	44,000
46+50 to 56+50	Rockfall Protection -4	210,000
50+50 to 57+50	Side Slope Construction - (Cut and Fill)	420,000
57+50 to 62+50	Historic Highway Cleanup -4	25,000
62+00 to 79+00	Trail (3"AC x 12' wide, 10"C.R.Base x 16' wide)	51,000
62+50 to 65+00	Side Slope Construction -2 (Cut and Fill)	126,000
65+00 to 70+00	Cut w/Jersey Barrier w/ Railing to 54" High	28,000
70+00 to 79+00	Major Rockfall Excavation/Protection	\$ 1,105,000

Raw Construction	2,948,500
Engineering & Permits (20%)	589,700
Construction Engineering (15%)	442,275
Sub Total	3,980,475
Contingency @ 40%	1,592,190
Estimated Project Cost (2008)	5,572,665
Estimated Inflation (2008-10)	557,267
Project Cost Estimate (2010)	\$ 6,129,932

Please Note: Not all stations shown in the Preliminary Cost Estimate tables are shown on the segment Feasibility Maps.



HCRH Reconnection Strategy
 Segment 6
 Viento to Perham Creek