

SR 24 – SR 241 to Cold Creek

Passing lanes



This section of SR 24 is traveled daily by Hanford commuters and experiences heavy truck traffic, particularly during harvest season. The project added passing lanes on a long grade to provide opportunities to pass slow moving trucks, also improving safety by reducing accidents along this section. This intersection has experienced a significant number of accidents and has been classified as a high accident location. Construction activities began in March 2008 and were completed in October 2008.

Mitigation Types: stormwater

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Significant Mitigation Drivers	Agency	Mitigation Categories	Mitigation Cost	% of Project Cost	Mitigation Comments
Clean Water Act Section 402	Ecology	Stormwater Facilities	\$216,000	6.4%	Primarily consists of natural dispersion.
		Totals	\$216,000	6.4%	



6.4%

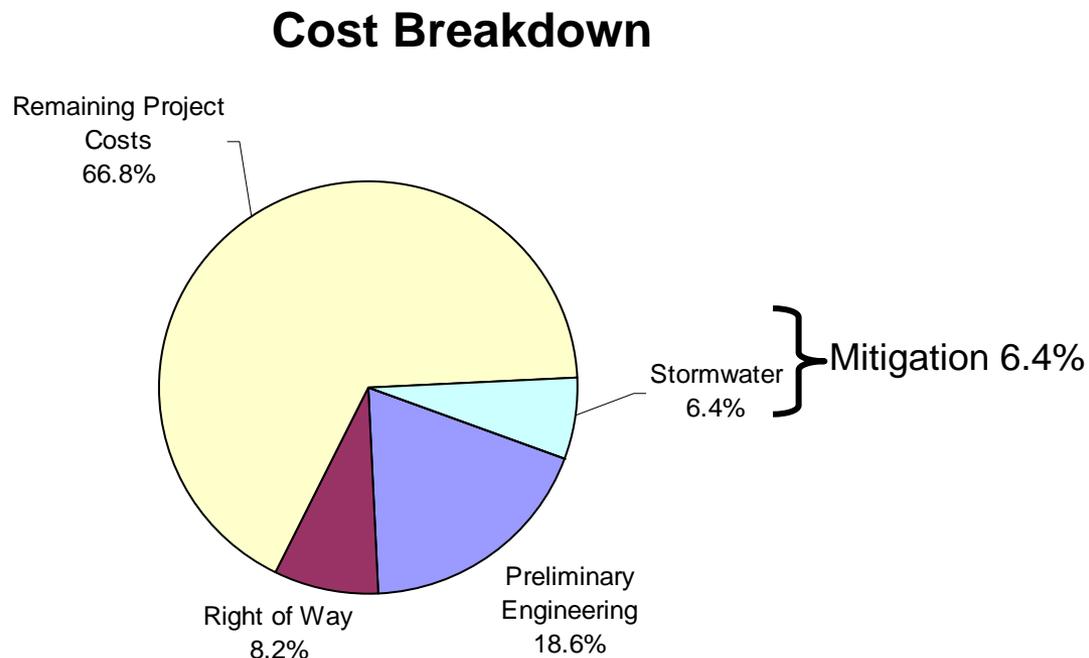
Stormwater – \$0.22M

The project used natural dispersion adjacent to the roadway and energy dissipation pads at the ends of culverts for this project, treating nearly 19 acres of impervious surface. Roadside infiltration (natural dispersion) is an excellent method for stormwater treatment where there are good soil conditions, the space is available and rainfall is limited.

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Phase Costs	
Preliminary Engineering	\$0.62M
Right of Way	\$0.28M
Construction	\$2.45M
Total	\$3.35M

Mitigation Costs		
Mitigation Elements	Total Mitigation Cost	% of Total Project Cost
Stormwater	\$0.22M	6.4%
Total of Mitigation Elements	\$0.22M	6.4%
All Other Items	\$3.13M	
Total	\$3.35M	



Lane Mile Cost Equivalence:

Added 2 passing lanes at \$0.72M per lane mile.

Total project cost is \$3.35M for 4.64 new lane miles.

Minus the cost for mitigation – \$0.67M per lane mile.