

US 290 Starr Rd. Intersection Turn Lanes



The intersection of US 290 and Starr Road has seen a significant number of collisions including ones of high severity. To improve safety and operations at this location right turn channelization has been installed along with curbing to control access and enhance pedestrian mobility. Construction activities were completed in June 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	\$11,400	4.6%	The new turn lanes resulted in the need for a small treatment pond.
		Totals	\$11,400	4.6%	



4.6%

The minor amount of contributing impervious area and the availability of space adjacent to the new lane allowed for a simple low cost solution to stormwater mitigation.

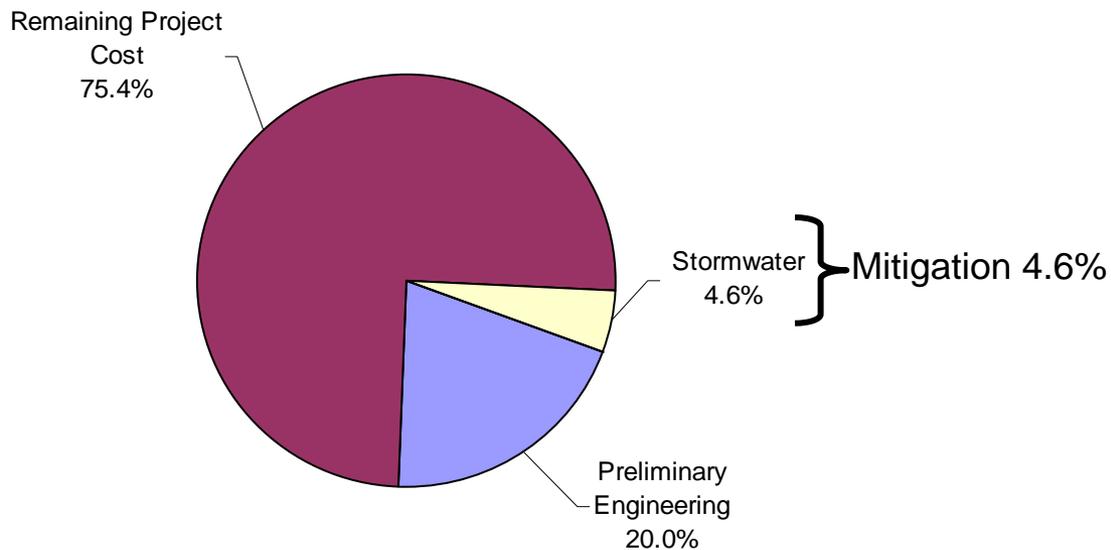
Stormwater – \$0.01M

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Phase Costs	
Preliminary Engineering	\$0.05M
Construction	\$0.20M
Total	\$0.25M

Mitigation Costs		
Mitigation Elements	Total Mitigation Cost	% of Total Project Cost
Stormwater	\$0.01M	4.6%
Total of Mitigation Elements	\$0.01M	4.6%
All Other Items	\$0.24M	
Total	\$0.25M	

Cost Breakdown



Lane Mile Cost Equivalence:

Added a turn lane at \$3.11M per lane mile.

Total project cost is \$0.25M for 0.08 new lane miles.

Minus the cost for mitigation - \$3.00M per lane mile