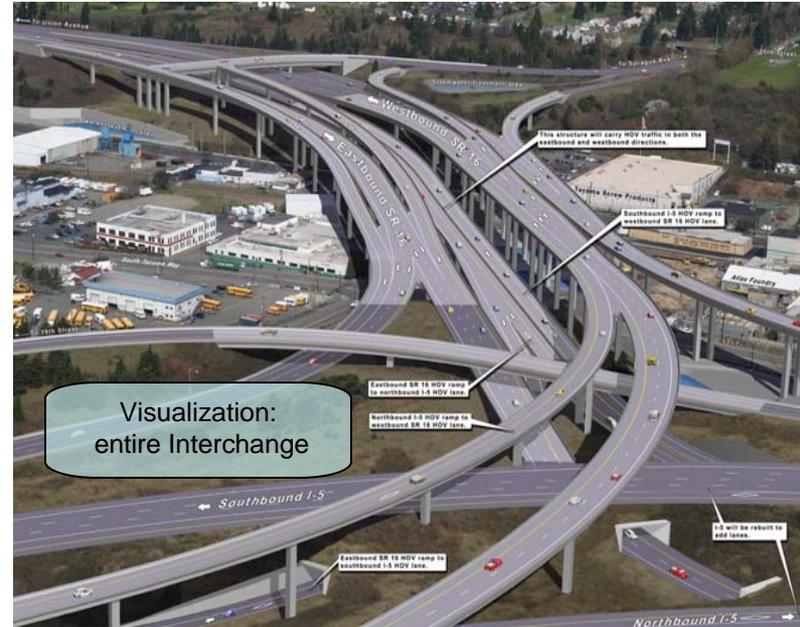


# I-5 / SR 16 Westbound Nalley Valley Interchange

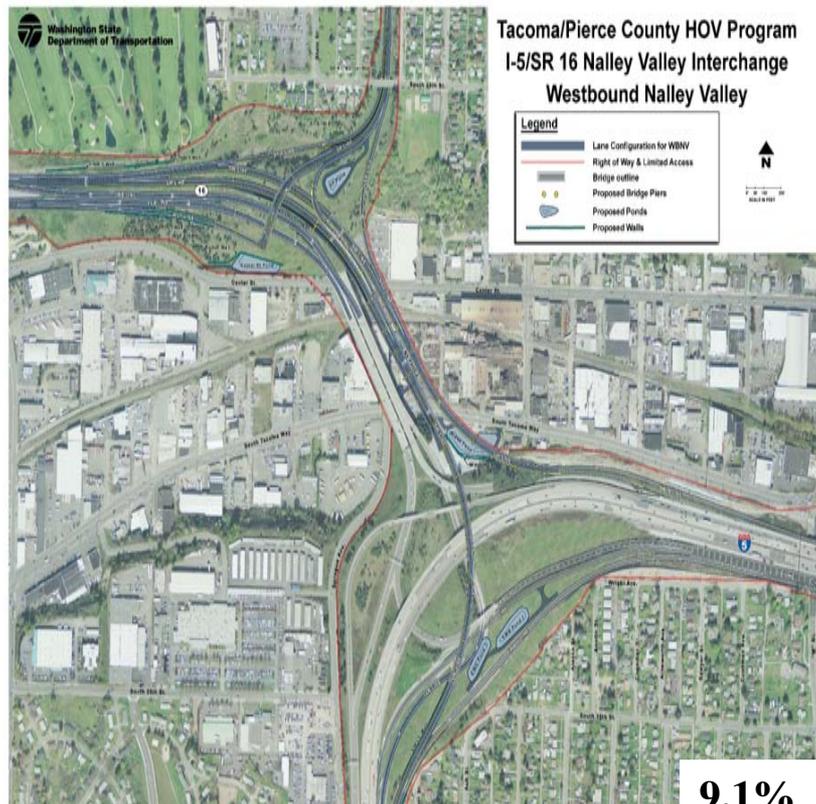


Westbound Nalley Valley (WBNV) is one of a series of projects to reduce congestion, improve safety and add High Occupancy Vehicle (HOV) lanes in Pierce County. The Tacoma/Pierce County HOV Program will construct a total of 22 projects upon its completion. Westbound Nalley Valley Interchange specifically improves the westbound connection between I-5 and SR 16 through a collection of new bridges and ramps.

Mitigation Type: stormwater

## I-5 / SR 16 Westbound Nalley Valley Interchange

Significant Mitigation Drivers	Agency	Mitigation Categories	Mitigation Cost	% of Project Cost	Mitigation Comments
Clean Water Act Section 402	Ecology	Stormwater Facilities	\$18,751,000	9.1%	5 ponds occupying 3.2 acres, treating nearly 44 acres of new impervious.
		Totals	\$18,751,000	9.1%	



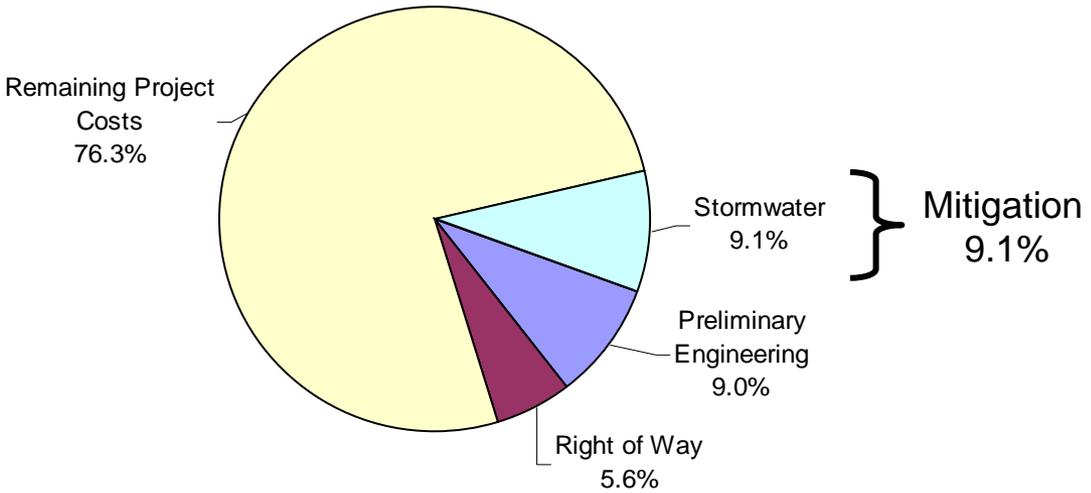
Stormwater – \$18.75M

With limited opportunities for mitigation on-site and for program delivery efficiencies, only stormwater facilities are being constructed under this project. Wetland and noise mitigation is being pursued and incorporated into other projects. Nearly all of the stormwater mitigation facilities required for the ultimate Nalley Valley interchange are being constructed under this project (five of the six ponds required). The Eastbound Nalley Valley project will construct the final pond. Creative integration of the ponds within the interchange area eliminated the need for right-of-way purchase specifically for stormwater mitigation. For the purpose of this study we have only included the costs associated with this contract as one example of the strategic methods deployed by WSDOT in efficient and effective project delivery.

# I-5 / SR 16 Westbound Nalley Valley Interchange

Phase Costs	
Preliminary Engineering	\$18.53M
Right of Way	\$11.47M
Construction	\$174.96M
<b>Total</b>	<b>\$204.96M</b>

**Cost Breakdown**



Mitigation Costs		
Mitigation Elements	Total Mitigation Cost	% of Total Project Cost
Stormwater	\$18.75M	9.1%
<b>Total of Mitigation Elements</b>	<b>\$18.75M</b>	<b>9.1%</b>
All Other Items	\$186.21M	
<b>Total</b>	<b>\$204.96</b>	

Lane Mile Cost Equivalence:

Adds 1.5 lane miles and 0.9 auxiliary lane miles at \$85.4M per lane mile.

Total project cost is \$204.96M for 2.4 new lane miles.

Minus the cost of mitigation - \$77.6M per lane mile.