



From this...



To this...

## I-5 Maytown to 93<sup>rd</sup> Ave. 5<sup>th</sup> & 6<sup>th</sup> Lanes

This project is located in a rural area south of Tumwater, widened the existing four-lane interstate to six lanes for approximately two miles. It added four lane miles, a wider shoulder, and a median barrier. Since a portion of the stormwater was treated in the existing grassy median, a new stormwater treatment facility was constructed to treat for the new roadway and replace what was lost by filling in the median.

The widening work was performed in the median on right of way that WSDOT already owned. However, an additional 12.76 acres of right of way was purchased outside of the roadway to accommodate stormwater treatment facilities.

The project was designed and put on the shelf in 1996-1997. The project contract was awarded in May 2001, and work was completed in September 2002. The total project cost was \$11,220,000, including design, right of way, construction, and sales tax.

**Interstate 5 Maytown to 93rd Ave  
Addition of two lanes. Completed 2002**

**Project Location and Conditions**

Stormwater Treatment cost \$1,660,000  
Structure footprint 1.18 acres  
Capacity 76,550 cf  
Impervious area treated 47.5 acres  
\$ 0.80/sf of impervious area



Total project cost: \$11,220,000  
Total project mitigation cost:  
\$1,660,000, or 15% of total cost

# I-5 Maytown to 93<sup>rd</sup> Ave 5<sup>th</sup> & 6<sup>th</sup> Lanes Stormwater Runoff



When this project was taken off the shelf, federal and state stormwater policies had changed. As a result, the entire drainage and pond system had to be redesigned. This resulted in higher engineering and construction costs.

Stormwater treatment, for both quality and quantity, took place on four miles of a six-lane roadway. This included the ponds shown above, as well as other treatments such as mulch tilled into side slopes. The all-in cost of this treatment facility for right of way, construction, sales tax, and engineering was \$1,660,000, or 15% of the project costs. This project treated a total of 2,070,400 square feet of impervious surface for a cost of \$0.80/sf.

# I-5 Maytown to 93<sup>rd</sup> Ave. 5<sup>th</sup> & 6<sup>th</sup> Lanes Cost Summary

<b>Phase Costs</b>	
Preliminary Engineering Design	\$0.63M
Right of Way	\$0.09M
Construction	\$11.07M
<b>Total Project Cost</b>	<b>\$11.22M</b>



Stormwater treatment - \$1,660,000

<b>Mitigation Costs</b>			
<b>Mitigation Elements</b>	<b>Const. Cost <sup>(1)</sup></b>	<b>All-in Cost <sup>(*)</sup></b>	<b>% of Total Project</b>
Stormwater treatment	\$1.46M	\$1.66M	15.0%
All other items	\$9.61M	\$9.56M	85.0%
<b>Total</b>	<b>\$11.07M</b>	<b>\$11.22M</b>	

(1) Construction cost includes mobilization, sales tax, and construction engineering.

(\*) All-in cost includes allocation of EIS development, preliminary engineering, and right of way added to construction cost.