



Existing conditions



Design Visualization

From this...  To this...

SR 270 – Pullman to Idaho State Line

The Department plans to improve capacity and safety by widening SR 270 from a two-lane roadway to a four-lane facility with a 14-foot wide median lane configuration. SR 270 is an important commute route between two university communities, Pullman (Washington State University), and Moscow (University of Idaho). Along with passenger vehicles, this route also carries a large number of heavy trucks.

The End Result

This project will add a general-purpose lane in each direction and will provide a 14-foot center turn lane with rumble strips to enable traffic to access adjacent properties and to separate opposing traffic. This will improve traffic flow and safety

Project Benefits

- This project will substantially improve safety by creating additional lanes.
- The project will increase capacity and reduce travel times.

This project is scheduled to begin construction in 2006

SR 270 – Pullman to Idaho State Line



The project will add 28.97 acres of impervious surface for a total of 58.06 acres of impervious surface. 26.59 acres are being managed for stormwater by natural dispersion. The remaining acres are being managed for stormwater by a combination of bioswales and 11 ponds at a cost of \$800,000.

Impervious area treated 2,529,100 sf
\$ 0.32/sf of impervious area

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Noise Mitigation



SR 270 is in a rural farming area with minimal residential houses. A noise study was performed and did not meet requirements for noise mitigation.

SR 270 – Pullman to Idaho State Line Wetland Mitigation



Three sites have been chosen along Paradise Creek for mitigation of unavoidable wetland impacts. Sunshine Road, Patterson, and Jorstadt. This photo shows the middle site, Sunshine Road, in its current, reed canary grass covered condition. It will be excavated to just above the creek level and then planted with woody native plant species. Mitigation costs for this site are estimated at \$0.17M out of a total wetland mitigation project cost of \$2M

SR 270 – Pullman to Idaho State Line Stormwater Mitigation



Natural dispersion areas will be used for stormwater treatment. Additional treatment ponds will be constructed along the north side of SR 270. This project is still in the design phase and final pond design is soon to be completed. The current estimated cost for the 11 ponds and bioswales is approximately \$800,000 to manage the stormwater for 2,529,100 SF of impervious surface.

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Cost Summary

Phase Costs	
Preliminary Engineering	\$4.2M
Right of Way	\$6.3M
Construction	\$19.4M
Total	\$29.9M

Mitigation Elements	All-in Mitigation Cost (*)	% of Total Project Cost
Wetland	\$2.0M	6.7%
Stormwater	\$0.8M	2.5%
Subtotal of mitigation elements	\$2.8M	9.2%
All other items	\$27.2M	
Total	\$29.9M	

(*) All-in cost includes allocation of preliminary engineering, right of way, and construction cost.



3%

Stormwater - \$.75M



7%

Wetland - \$2M