



Existing conditions



Design visualization
Anticipated construction
Summer 2004

From this...



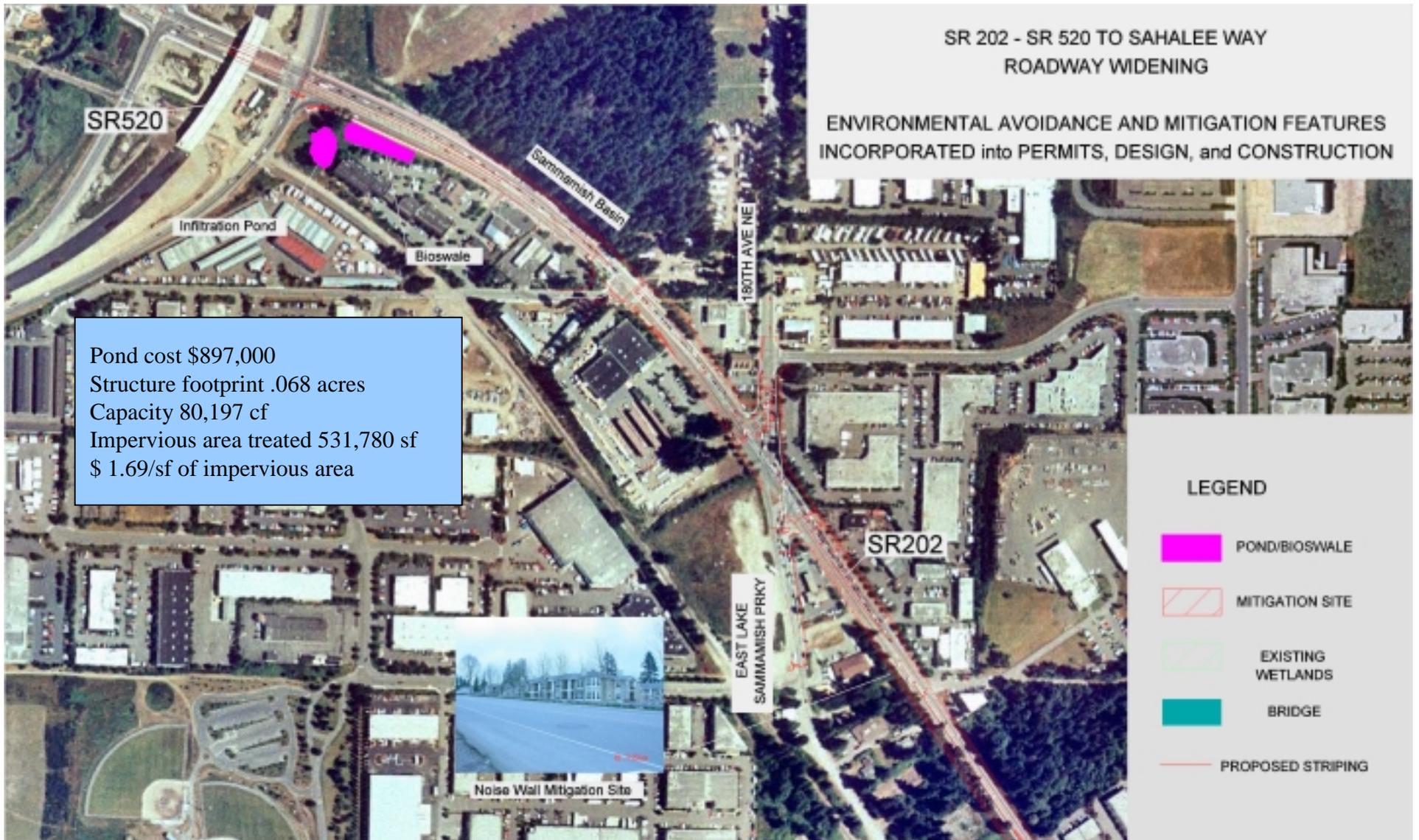
To this...

SR 202- SR 520 to Sahalee Way

This project proposes to widen SR 202 between SR 520 and Sahalee Way from the typical existing two lanes to a four-lane roadway with turn lanes. The project includes:

- Two new through lanes
- New and rebuilt signals
- Illumination
- Sidewalks
- Bicycle lanes
- Turn lanes
- Planted medians
- Landscaping
- Retaining and noise walls
- Replacement of two bridges
- Stormwater treatment
- Wetland mitigation
- Utility relocations
- Other work

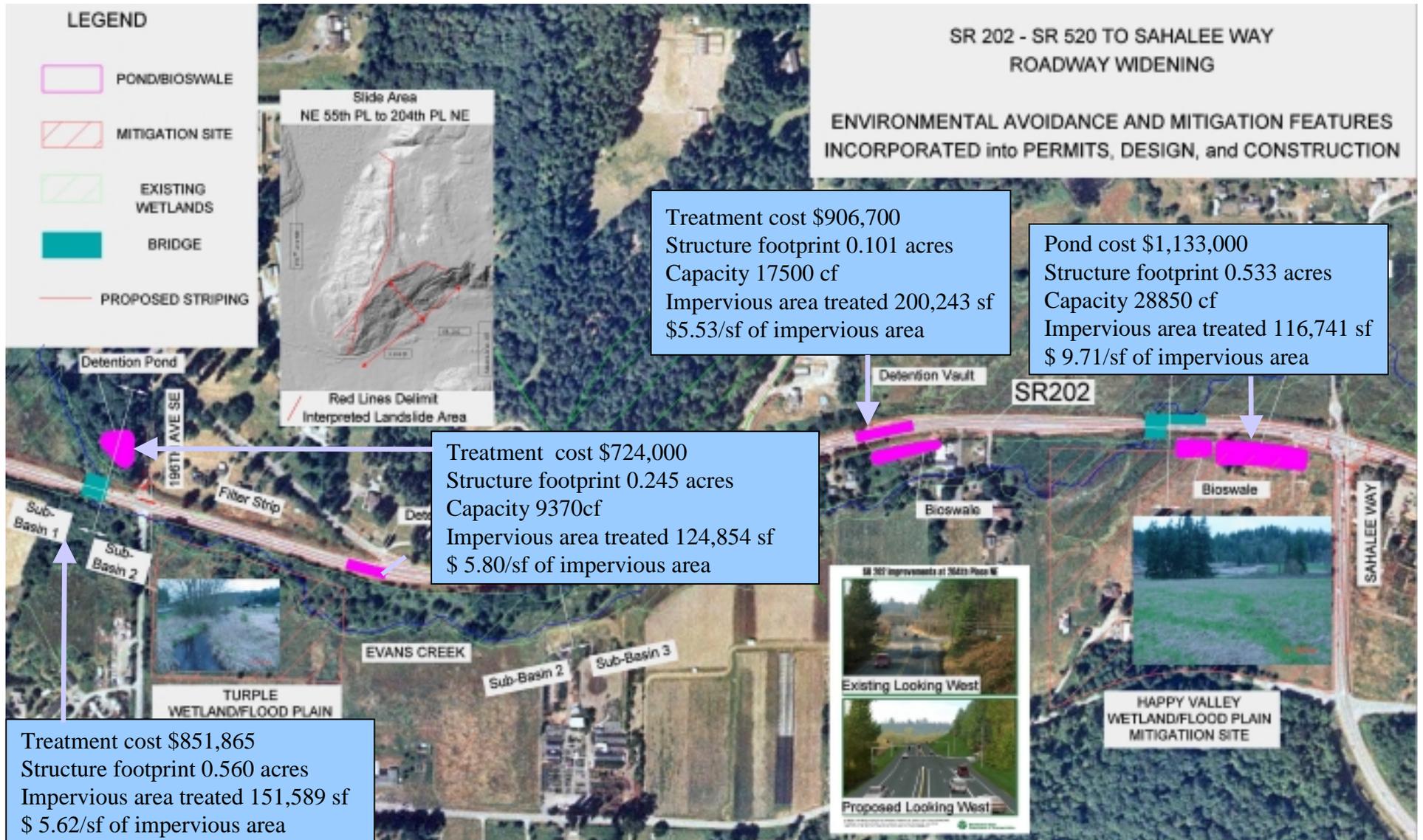
SR 202 – SR 520 to Sahalee Way



SR 202 – SR 520 to Sahalee Way



SR 202 – SR 520 to Sahalee Way



SR 202-SR520 to Sahalee Way Noise Walls



Traffic Noise Affecting Nearby Residences

A 29,000 square foot noise wall was constructed at an all-in cost of approximately \$1,300,000, after an environmental assessment and a cost/benefit demonstration showed that a noise wall was needed to buffer noise for nearby residences under FHWA and WSDOT requirements and guidelines. The total cost of the noise walls is estimated at \$44.41 per square foot.

SR 202– SR520 to Sahalee Way Wetlands Mitigation



Happy Valley Mitigation Site



Evan Creek SR 202 on the right

This project is difficult from the standpoint of avoidance, minimization, and mitigation of wetland impacts. SR 202 is very close to Evans Creek for part of the alignment and is also near the Turtle floodplain. Despite designing the project to impact no more wetlands than absolutely necessary, damage will still result to approximately 3.1 wetland acres. For mitigation, a new ten-acre wetland with 14 acres of buffer (23 acres total) will be created on the Happy Valley Wetland/Floodplain Mitigation Site near the intersection of SR 202 and Sahalee Way. Including acquisition of the mitigation site from current private owners (estimated acquisition cost to support wetlands mitigation is \$2,000,000), the cost of creating the replacement wetlands will be approximately \$7.1 million, or 11% of the project cost.

SR 202– SR520 to Sahalee Way Bridges and Stormwater



Two small bridges will be replaced with structures to facilitate fish passage and provide habitat. The estimated cost of these new structures is \$1,050,000, or 2% of the project.

Stormwater treatment

Bioswales, detention ponds, and buried detention vaults will be strategically located along the alignment of the project to provide controls on the quantity and quality of stormwater runoff to Evans Creek and adjacent wetlands. These facilities will treat approximately 1,097,200 square feet of impervious surface. Some of these facilities can be accommodated within existing right of way, but additional right of way must be acquired. The stormwater facilities to mitigate stormwater runoff will cost approximately \$4.7 million, or about 3% of project costs.



Typical detention pond



Typical bioswale

SR 202- SR 520 to Sahalee Way Cost Summary

Mitigation Elements	All-in Mitigation Cost (*)	% of Total Project Cost
Noise walls	\$1.30M	2%
Wetland	\$7.07M	11%
Evans Creek bridges	\$1.05M	3%
Stormwater treatment	\$4.75M	8%
Subtotal of mitigation elements	\$14.17M	24%
All other items	\$47.66M	
Total	\$61.83M	
Assumes construction summer 2004.		
(*) All-in cost includes allocation of preliminary engineering, right of way, and construction cost.		



Noise walls \$1.3M



Small bridges \$1.0M



Wetlands \$7.07M



Stormwater \$4.75M