Washington State
Highway System Plan
2011-2030 Update

Paula J. Hammond, P.E.
Secretary

David L. Dye, P.E.
Deputy Secretary

Steve Reinmuth
Chief of Staff

Jay Alexander
Director
Capital Program Development & Management Office

Washington State Transportation Commission
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Legislature’s Transportation Policy Goals

*RCW 47.04.280*

**Preservation:** To maintain, preserve, and extend the life and utility of prior investments in transportation systems and services.

**Safety:** To provide for and improve the safety and security of transportation customers and the transportation system.

**Mobility:** To improve the predictable movement of goods and people throughout Washington State.

**Environment:** To enhance Washington’s quality of life through transportation investments that promote energy conservation, enhance healthy communities, and protect the environment.

**Stewardship:** To continuously improve the quality, effectiveness, and efficiency of the transportation system.
Link to Other Statewide Plans

Highway Component of Washington State Multimodal Transportation Plan

Aligned to Washington Transportation Plan

Integrates Specific Components from Other Plans
- Concrete Rehabilitation and Reconstruction
- Seismic Safety
- Strategic Highway Safety Plan: Target Zero
- Intelligent Transportation Systems (ITS)
- Moving Washington

Integrates Specific Components from State-Interest Plans
- Bicycle Transportation & Pedestrian Walkways
- State Scenic & Recreational Highways
- Freight and Goods Transportation System (FGTS)
Highway System Plan (HSP)

- Updated every two years.

- Serves as the basis for the six-year highway program and two-year biennial budget request.

- Provides decision makers with the most cost-effective strategies to deliver the highest benefit at the lowest cost.

- Includes performance driven analysis for needs identification and solution development.

- Focuses on maintaining, preserving and improving the operating efficiency of the existing highway system before expansion.
Highway System Plan Development

**Laws and Policies**
- RCW 47.04.280 (Transportation System Policy Goals);
- RCW 47.01.071(4), RCW 47.06.040, and 23 CFR 135 (Washington Transportation Plan);
- RCW 47.06.040, 23 USC 135, and 49 USC 53 (Long-Range Statewide Transportation Plan);
- RCW 47.06.040 and RCW 47.06.050 (Highway System Plan);
- 23 USC 402 (Strategic Highway Safety Plan)

**Performance Criteria**
Developed to Meet the Performance Expectations of State and Federal Laws and Policies.

**Needs Identification and Ranking**
Current and Future Condition Assessment of all State-owned Highway System Assets based on nationally accepted methodology consistently applied statewide.

**Mobility Strategies: Low, Moderate and High Cost**
Focused on Tiered Incremental Approach to Improve Operational Efficiency of Existing System Not Dependent on 20-Year Solutions

**Analysis: Identify and Test Alternative Cost-Effective Solutions**
Detailed Analysis to identify only the most Cost-Effective Alternative that Provide the Highest Benefits at the Lowest Cost

**Prioritization Benefit/Cost Lowest Lifecycle**
WSDOT Aims First to Maintain, Preserve and Improve the Operational Efficiency of Current Assets Before Adding New Assets

**Budget Development**
Cost-Effective Projects Recommended to Executives and Legislature for Funding

**Implementation: Design, Construction Operations Maintenance**
Performance Measurement Before/After

**Scoping Process**
Re-Evaluate Highway System Plan Performance Criteria Effectiveness Based on Observed Project Performance Outcomes
Preservation & Improvement Focus Areas

- **Roadway Preservation**
  - Current Strategies
  - Future Direction
  - Concrete Plan

- **Bridges and Structures**
  - Bridge Painting
  - Seismic Retrofit
  - Bridge Replacement

- **Other Highway Assets**
  - Major Electrical Rehabilitation
  - Major Drainage Rehabilitation

- **Highway Safety**
  - Target Zero
  - New Methodologies

- **Economic Vitality**
  - Movement of Freight
  - Tourism and Scenic Byways
  - Community Economic Development

- **Health and the Environment**
  - Stormwater
  - Fish Passage
  - Climate Change/Sustainability
Mobility

• **Performance Criteria**
  – Consistent methodology applied statewide
  – Current and future conditions assessment
  – Based on nationally accepted methodology

• **Solution Development and Analysis**
  – Focused on tiered incremental approach to improve operational efficiency of existing system
  – Not dependent on 20-year solutions
  – Aimed at greatest statewide improvement to system performance

• **Focus Areas**
  – Moving Washington
  – Partially funded corridors with unfunded components
  – Bottlenecks
  – Additional corridor analysis
Moving Washington

Our three-part strategy to address congestion

Our Vision: The transportation system of the future must be...

• Reliable
• Responsible
• Sustainable

Improving the performance of our state’s transportation corridors by:

Managing Demand provides more people with more choices and options for people and freight helps improve the efficiency and effectiveness of our transportation system.

Operating Efficiently improves the performance of our system and generates revenue through variable pricing and other traffic management tools.

Adding Capacity Strategically builds on current efforts and adds the next critical parts of the solution to our currently over-stressed transportation system is a critical component of Moving Washington.
Partially Funded Corridors with Unfunded Components

1. SR 510/SR 507/Yelm Bypass
2. SR 704/ Cross Base Highway
3. I-5/ Tacoma to SR 512 HOV
4. SR 16/Gig Harbor to Purdy HOV
5. SR 3/ Belfair Bypass
6. SR 167/ Port of Tacoma to Puyallup
7. SR167/Puyallup to Renton HOV
8. I-5/SR 161/SR 18/Interchange
9. SR 509/Complete Freeway from I-5 to SeaTac
10. SR 520/Bridge Replacement and HOV Project
11. SR 522/Woodinville to Monroe
12. I-405/Lynnwood to Tukwila
13. SR 18/Issaquah Hobart Rd to I-90
15. SR 500/Vancouver to Orchards
16. I-205/Improvements from SR 14 to 134th Street
17. SR 14/I-205 to Washougal
18. SR 28/Junction US 2/97 to 9th Street
19. SR 539/ I-5 to USA/Canadian Border
20. I-5/Toutle River Rest Area to Maytown
21. US 395/North Spokane Corridor
22. US 12/Wallula to Walla Walla
Bottlenecks

• Addresses previously identified locations listed in 2007-26 HSP

• Performance Criteria
  – Current needs only
  – Must operate below 70% of the posted speed and impede through traffic movement (Mainline Traffic Flow)

Additional Corridor Analysis

• Study/Analysis areas must be Approved by CPDM

• Performance Criteria
  – Current and future needs (emphasis on current needs)
  – Locations must operate below 70% of the posted speed
The HSP and Budget Development

• The HSP serves as the basis for the six-year highway program and two-year biennial budget request

  – Capital Preservation and Improvement Program (CIPP)
  – 2011-2013 Budget Development

• Current Budget
  – Shrinking revenue
  – Increasing construction costs
  – Measuring project performance
    – Cost Estimate vs. Actual
    – Delivery Schedule
    – Project Performance (What did we deliver vs. what we promised?)
Highway Construction Program, by Type of Funds
2009 Legislative Final Budget - April 2009

Includes Preservation and Improvement Programs with two exceptions:
Excludes expenditures for the Tacoma Narrows Bridge and expenditures in the Improvement Program reimbursed by Sound Transit

2005 TPA Funds
2009 Federal Stimulus Funds (ARRA)
2009 SR 520 Corridor Funds
2003 Nickel Funds
Pre-Existing Funds

Dollars in Millions

Biennium

Update Schedule

3-09 4-09 5-09 6-09 7-09 8-09 9-09 10-09 11-09 12-09 1-10 2-10 3-10 4-10 5-10 6-10 7-10

Policy Development

Technical Group Meetings

Coordination with Technical Experts, Metropolitan Planning Organizations, and Regional Transportation Planning Organizations

Database (db) Development HSP db Review

Highway Segment Analysis Program (HSAP) Update HSAP Review

Solution/Concept Refinement of Traffic, Benefit and Cost Analysis

CPDM Review and Approval of Mobility Solutions


Update Document Appendix (List of Approved Mobility Solutions)

Executive Review and Feedback Executive Review and Feedback

Publication of 2011-2030 HSP Update
Questions?

For additional information on the Washington State Highway System Plan, please contact:

Jay Alexander, Director
Capital Program Development & Management Office,
at (360) 705-7121, or AlexanJa@wsdot.wa.gov.