

2017 Freight System Plan

Washington Public Ports Association Spring Meeting

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Purpose of Freight System Plan

Meet new requirements under FAST Act:

- Identification of multimodal freight corridors and facilities
- Description of how the plan meets the national multimodal freight policy goals and the national highway freight program goals
- Strategies to mitigate significant congestion or delay caused by freight movement
- Development of a Freight Investment Plan, including a list of freight priority projects

Meet RCW requirements and other emerging needs:

- Integrate Marine Ports and Navigation Plan
- Refresh freight data from 2014 state freight plan
- Update emerging trends, needs, and issues
- Provide status update of 2014 plan actions
- Update strategies and recommendations

Planning and Policy

Federal Freight Program

- Freight plan requirements
- National Multimodal Freight Policy
- National Highway Freight Program

Other Plans and Studies

- Marine Cargo Forecast
- JTC Road/Rail Study
- Washington Transportation Plan
- Highway System Plan
- Washington Aviation Plan
- Target Zero/Strategic Highway Safety Plan

Other Requirements and Policies

- RCW requirements for state freight plan and marine ports and navigation plan
- Results Washington
- Results WSDOT
- Transportation system policy goals in RCW

Roles and Responsibilities

Freight industry and associations

- Trucking
- Railroads
- Marine
- Air Cargo
- Pipelines
- Ports
- Labor Unions

Federal agencies

- USDOT
 - Apportions \$108 million NHFP fund to WA
 - Funds \$4.5 billion FASTLANE grant program
- FHWA
- FRA

Washington state

- State legislature
- WSDOT
- FMSIB
- TIB
- WSP
- UTC
- CRAB

Regional and local governments

- MPOs and RTPOs
- Tribal governments
- Cities and Counties

Trends and Issues

Economic Vitality

- Efficient flow of freight through gateways: border crossings, airports, seaports (new)
- Competition facing ports (new)
- Preservation of industrial sites (new)

Preservation

- Aging infrastructure (new)
- Waterway channel maintenance (new)

Stewardship

- System resilience (e.g., landslides) (new)
- Modal conflicts: bike lanes (new)
- Regulatory challenges (e.g., land use conflicts, connected vehicles) (new)

Safety

- Truck parking shortages (new)
- Highway-rail grade crossing improvements (new)

Mobility

- Intermodal connections: inland ports (new)
- New logistics and distribution models (new)
- Urban goods movement (new)

Environmental Sustainability

- Hazardous material risks: crude by rail (new)

Economic Context

Washington is the second most trade-dependent state in the nation

- Foreign imports and exports valued at \$127 billion in 2016

Freight supports jobs

- 1.36 million jobs in freight-dependent industries, accounting for 44% of state's total jobs
- \$550 billion in gross business income from freight-dependent industries

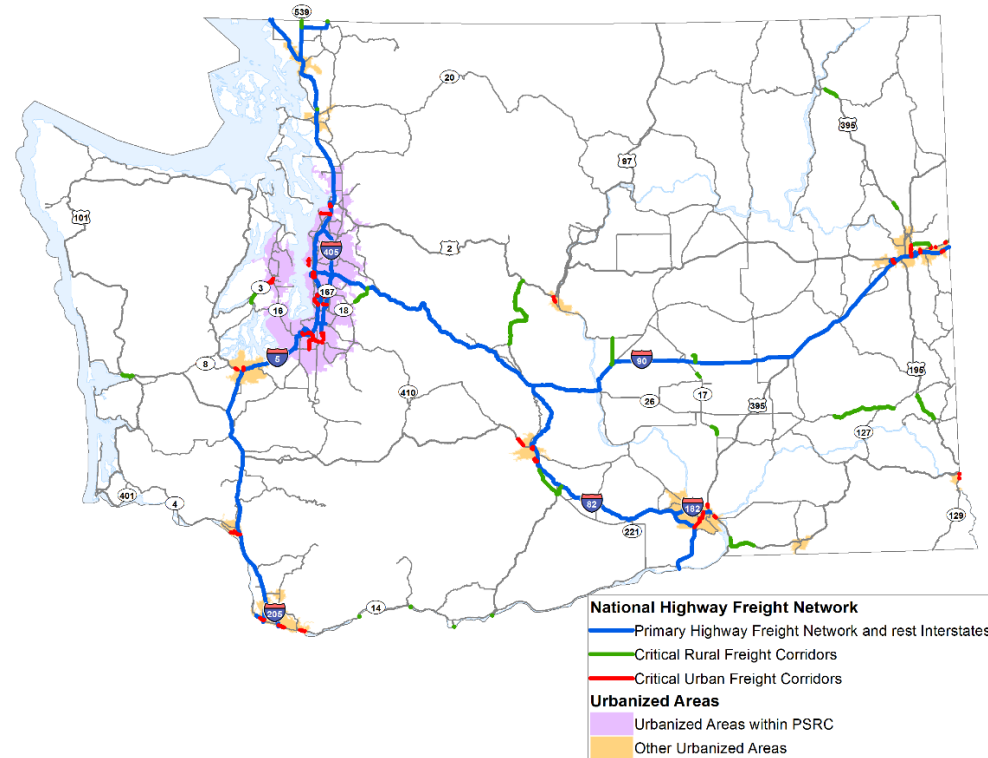
The freight transportation system has three components

- **Global Gateways:** access to national and international markets
- **Made in Washington:** freight manufactured or produced in Washington, statewide
- **Delivering Goods:** local delivery

Freight System Description

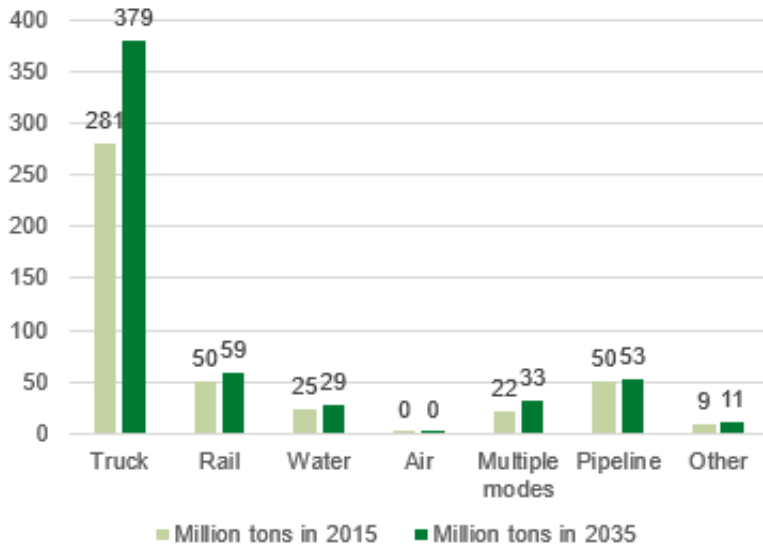
An integrated, multimodal system of freight transportation assets:

- National Multimodal Freight Network (new)
- National Highway Freight Network (new)
- Truck Freight Economic Corridors
- Rail Freight Economic Corridors
- Marine Freight Economic Corridors
- Air cargo system (expanded)
- Pipeline system (expanded)

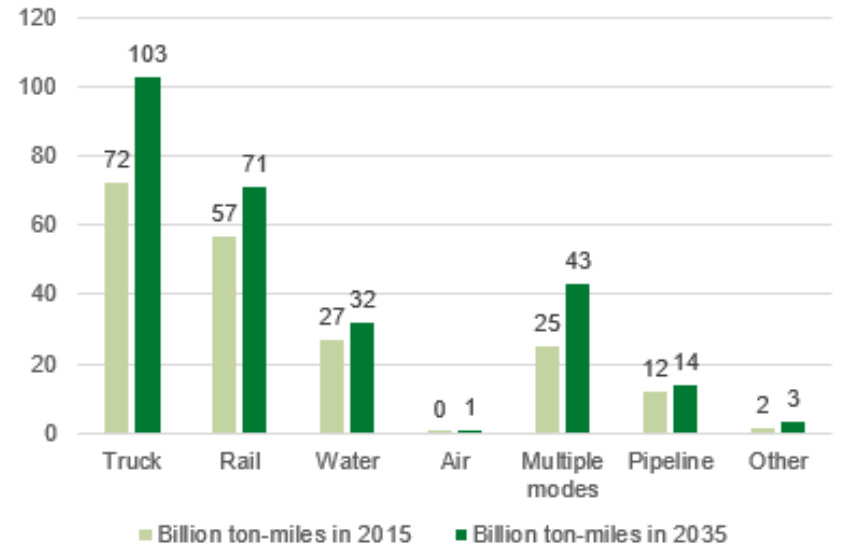


New Volumes and Forecast

Freight demand forecast by weight



Freight demand forecast by ton-miles



Washington state's freight network moved 436.6 million tons of freight in 2015, with a total of 194.9 billion ton-miles traveled.

Freight demand by weight is projected to grow 29% in next 20 years, while the total ton-miles traveled is projected to increase 60%.

(Source: FAF 4)

Marine Ports and Navigation Plan

Foundation setting

- Accounting of issues, trends, challenges, and needs
- Develop as a stand alone document
- Findings integrated into Freight System Plan and Statewide Multimodal Transportation Plan

RCW 47.06.070

Marine ports and navigation plan

The state-interest component of the statewide multimodal transportation plan shall include a state marine ports and navigation plan, which shall assess the transportation needs of Washington's marine ports, including navigation, and identify transportation system improvements needed to support the international trade and economic development role of Washington's marine ports.

Ports and Navigation Plan cont.

Key Trends and Issues

- Last mile connections
 - Highway and rail access
 - At grade crossings
- MARAD/Corps of Engineers
 - Inland Waterways and Harbor Tax
 - Dredging, sediment disposal, channel, locks, jetties, groins
- Competition and business opportunities
- Environmental
 - Endangered species

Other Topics

- Port agencies and associations
- Port funding
- Investments/Strategies

Freight Investment Plan

Critical Urban and Rural Freight Corridors

- ✓ Corridors certified with FHWA September 2016

Freight Project List

- ✓ 2016 Freight Project List sent to state legislature November 2016
 - National Highway Freight Program
 - FASTLANE Program

Consult with Washington Freight Advisory Committee

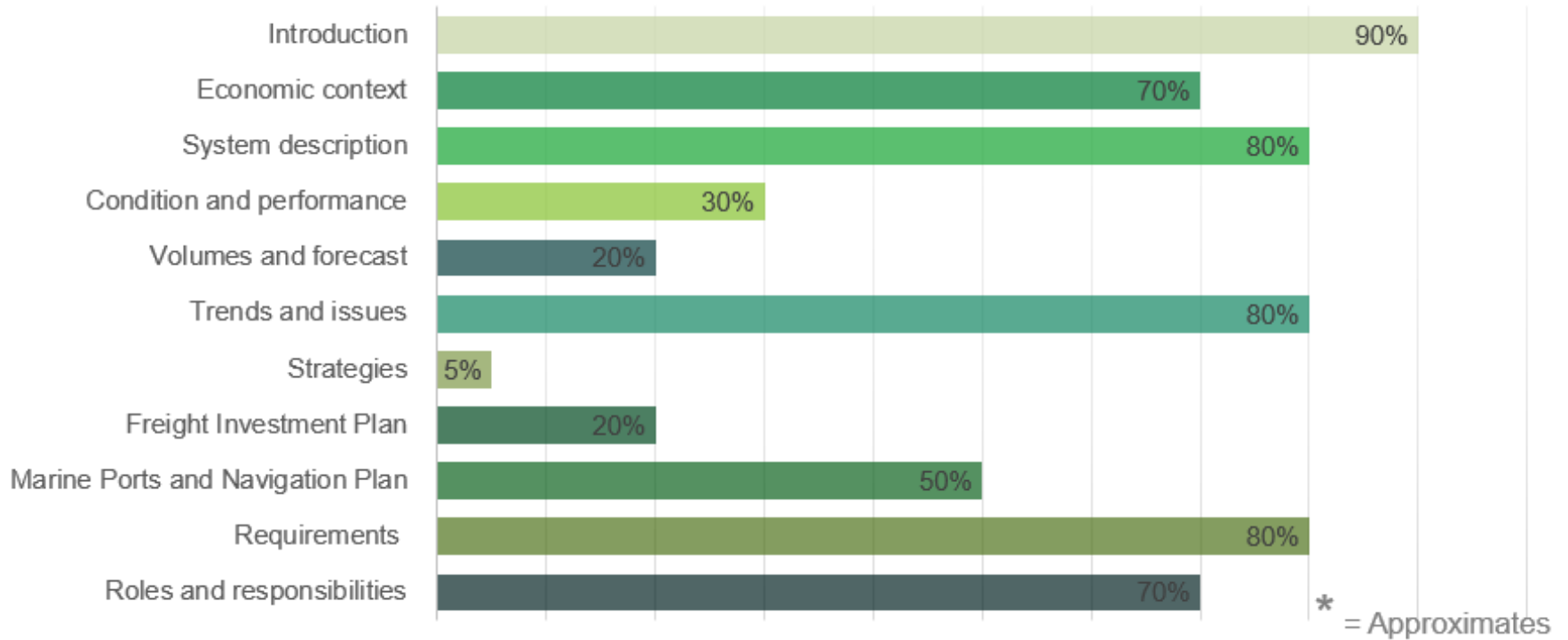
- ✓ Ongoing

Freight Project Validation

2017-19 Transportation Budget

ESB 5096, Section 311(5):...The department shall validate the projects on the list. Only tier one projects on the prioritized freight project list that are validated by the department may receive funding under this subsection. The department shall continue to work with the Washington state freight advisory committee to improve project screening and validation to support project prioritization and selection, including during the freight mobility plan update in 2017. The department may compete for funding under this program and shall provide an updated prioritized freight project list when submitting its 2019-2021 budget request...

Freight System Plan Status



Outreach and Schedule

February – March 2017: Initial scoping to solicit input and information, focusing on our scope and approach for the 2017 Plan update, and present the issues and trends identified in 2014.

April – June 2017: In-progress update to present our preliminary analysis of issues and trends for 2017, and present the recommendations and strategies identified in 2014.

July – August 2017: Review of findings, and sharing the final draft of the plan and soliciting feedback on recommendations and strategies.

2017 Freight Mobility Plan Schedule	2017												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Document Development													
Draft Plan Preparation	[Bar]												
Draft Plan Review							[Bar]	[Bar]					
Final Plan Preparation									[Bar]	[Bar]	[Bar]		
FHWA Review									[Bar]	[Bar]	[Bar]		
Plan Complete												[Diamond]	
Outreach													
Phase I - Scope	[Bar]	[Bar]											
Phase 2 - Update				[Bar]	[Bar]	[Bar]							
Phase 3 - Review							[Bar]	[Bar]					
Ad Hoc Meetings	[Bar]	[Bar]	[Bar]	[Bar]	[Bar]	[Bar]	[Bar]	[Bar]					

Questions?

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Documents will be available at the WSDOT freight site:

<http://www.wsdot.wa.gov/freight/>

Truck Parking Map

Facilities

- Private truck stops
- State safety rest areas
- State weigh stations

Attributes

- Exit number or milepost
- Direction
- Parking capacity
- Amenities

Distribution

- State rest areas
- WSDOT facilities
- Truck driving schools
- WA Trucking Association
- Website:
<http://www.wsdot.wa.gov/freight/>

