

# 2017 Freight System Plan

## **Washington State Transportation Commission**

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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 most trade-dependent state in the nation

- Foreign imports and exports valued at \$137.5 billion in 2015
- On a per capita basis

## 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

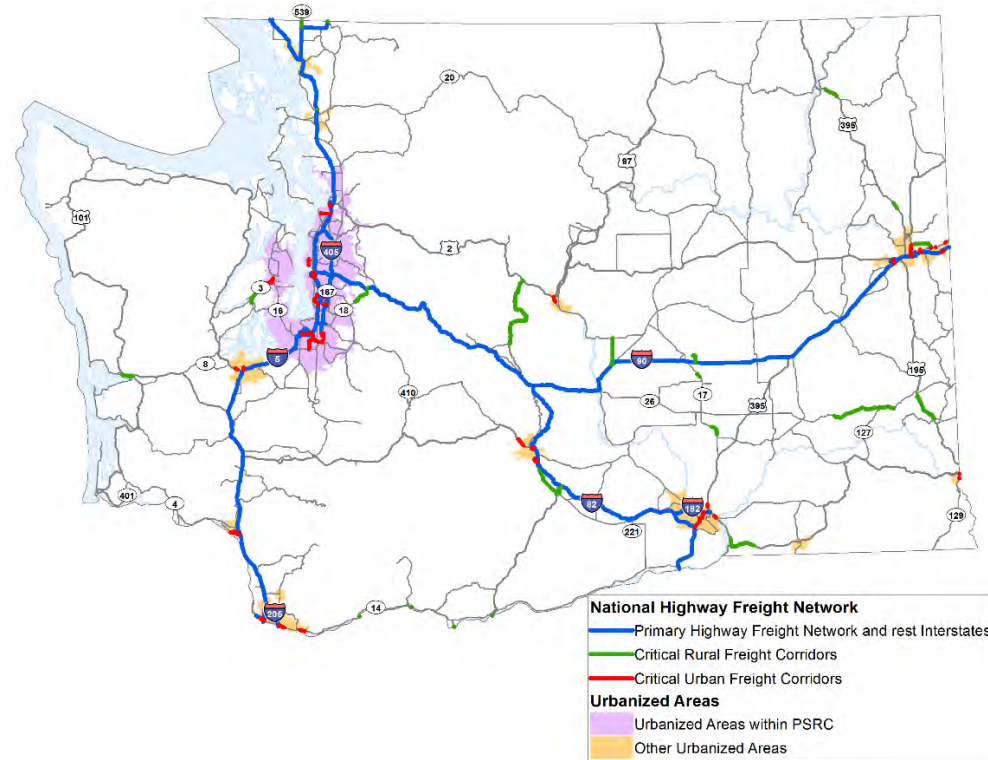
## The freight transportation system has three components

- **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

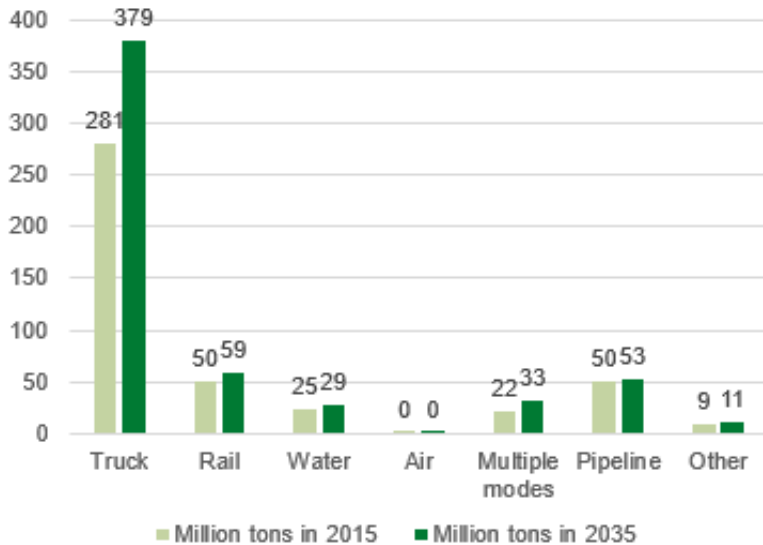
## An integrated, multimodal system of freight transportation assets:

- 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)

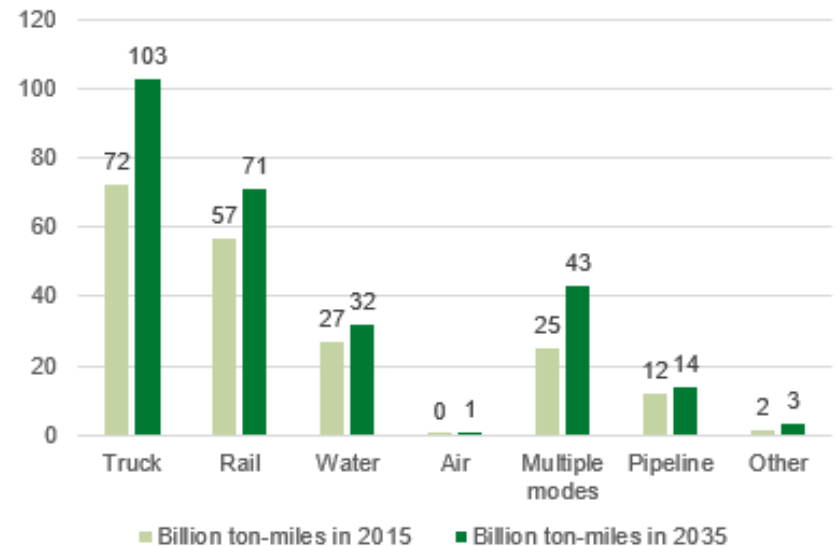


# New Volumes and Forecast

## 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

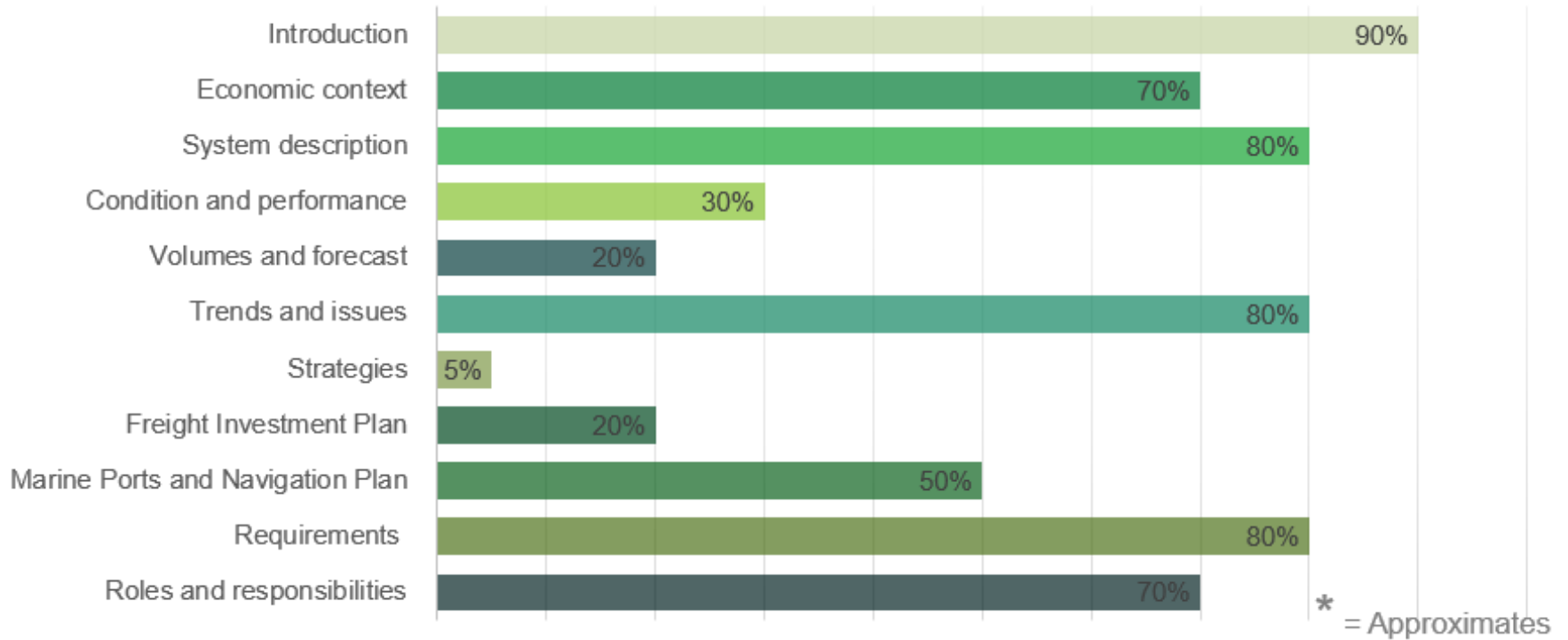
## Freight Project List

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

## Consult with Washington Freight Advisory Committee

- ✓ Ongoing

# Freight Investment 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
<b>Document Development</b>												
Draft Plan Preparation	[Bar]											
Draft Plan Review							[Bar]	[Bar]				
Final Plan Preparation									[Bar]	[Bar]	[Bar]	
FHWA Review									[Bar]	[Bar]	[Bar]	
Plan Complete												[Diamond]
<b>Outreach</b>												
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/>