## Washington State Freight and Goods Transportation System and Truck Freight Economic Corridors



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## What is FGTS?

- Washington State Freight and Goods Transportation System (FGTS) classification system:
  - Used since 1995 to designate the most heavily used roads for trucks.
  - Provides a snapshot of freight tonnage carried on roadway segments within the state.
  - Covers state routes, county roads, and city streets.
- Washington State DOT update the FGTS classification biannually



## How does FGTS classify roadways?

FGTS tonnage classification system is used to classify state highways, county roads, and city streets.

- T-1 more than 10 million tons per year
- T-2 4 million to 10 million tons per year



- T-4 100,000 to 300,000 tons per year
- T-5 at least 20,000 tons in 60 days



Strategic Freight Corridor



## What is FGTS Used for?

 Freight Mobility Strategic Investment Board approves and adopts the list of designated strategic freight corridors every two years. Projects eligible for FMSIB funding <u>must be</u> on a strategic freight corridor.





## What is FGTS Used for?

- WSDOT uses it as one basis to designate truck freight economic corridors. Local/regional freight projects eligible for inclusion in State Freight Mobility Plan <u>must be</u> on freight economic corridors.
- New bills aimed at Reauthorization of the Surface Transportation Act indicate that there may be a funded freight program in the future.





### How is the data collected?

- State Routes truck volume data collected from WSDOT traffic counters and converted to tonnage
- County FGTS data collected through County Road Administration Board's (CRAB) Road's Mobility Database
- City FGTS data collected from all cities and towns

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## 2015 FGTS Update Timeline

June 2015	Started 2015 FGTS update process
August 2015	Completed city data collection
November 2015	Complete update on T-1 and T-2 classifications, and provide it to FMSIB for strategic freight corridor designation
February 2016	Publish full update through WSDOT website



# Why WSDOT identify Freight Economic Corridors in the State Freight Plan?

WSDOT need objectively define the state's freight corridors to:

- Map and show exactly which first-and-last mile routes connect to high-volume freight routes to link the state's freight-intensive land uses to U.S. and global commerce.
- Determine which freight corridors WSDOT will track and measure to improve performance of the state's high-value supply chains.
- Determine where to focus needs analysis and solution development.



## How did WSDOT develop criteria to identify first-last mile connectors in the State Freight Plan?

WSDOT worked with three State Freight Plan Technical Teams; Tribes; every MPO and RTPO technical committee in the state; many cities, counties and ports, and the Washington State Freight Advisory Committee to define the elements of the State Truck Freight Economic Corridors:

- 1. High-volume truck corridors, based on the Freight Goods and Transportation System (FGTS):
  - T-1 corridors carrying more than 10 million tons per year
  - T-2 corridors carrying 4 to 10 million tons per year
- 2. Alternative freight routes which serve as resiliency detours for highvolume corridors that experience severe-weather closures;
- 3. First or last mile connector routes from high-volume freight corridors to freight-intensive land use.



## What criteria is used to identify first/last mile connector routes?

### Statewide:

- To-and-from T-1 and T-2 truck routes and strategic U.S. defense facilities
- Over-dimensional truck freight routes that connect the state's significant intermodal facilities to the T-1 and T-2 highway system

### In urban areas:

- To-and-from the Interstate system and the (1) closest major airport with air freight service, (2) marine terminals, ports, barge loaders and other intermodal facilities, and (3) warehouse/industrial lands
- From high-volume urban freight intermodal facilities to other urban intermodal facilities, e.g. from the Port of Seattle to the BNSF rail yard in Seattle

#### In rural areas:

- To-and-from state freight hubs located within five miles of T-1 and T-2 highways; freight hubs are defined as: (1) agricultural processing centers, (2) distribution centers, (3) intermodal facilities, and (4) industrial/commercial zoned land
- Routes that carry one million tons during three months of the year (reflecting seasonality) of agricultural, timber or other resource industry sector goods



### Truck Freight Economic Corridors in Washington State



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# How does it relate to SDOT truck network designation?

WSDOT Truck Freight Economic	Seattle's Draft Truck Street
Corridor	Designation
<ul> <li>High volume truck corridors</li> <li>Alterative freight routes</li> <li>First/last mile connector routes</li> </ul>	<ul> <li>Limited access facility</li> <li>Major truck street</li> <li>Minor truck street</li> <li>First/last mile connectors</li> </ul>

- First/last mile connectors in WSDOT designation were reviewed and verified by SDOT, and revised based on their inputs.
- Seattle's Truck Street Designation is still under development. Its first/last mile connectors are developed based on the list submitted to WSDOT.
- We will continue coordinating with SDOT in the process.



#### Aerospace Supply Chain: Example Freight Mobility Improvements



Source: Washington State Department of Revenue; Washington State Freight and Goods Transportation System



Aerospace products and part are a \$52.2 billion industry in Washington State

### Wheat Supply Chain: Example Freight Mobility Improvements



## **Questions?**

**Please contact:** 

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Washington State Freight and Goods Transportation System is available at :<u>http://www.wsdot.wa.gov/Freight/FGTS/</u>

Washington State Freight Economic Corridor is available at: <u>http://www.wsdot.wa.gov/Freight/EconCorridors.htm</u>

