

2023 Freight and Goods Transportation System Update

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Overview of Freight and Goods Transportation System

Why does WSDOT update the FGTS system?

- Meet state legislative requirements
 - WSDOT is required to designate a Freight and Goods Transportation System (RCW 47.05.021 (4))
 - Freight Mobility Strategic Investment Board (FMSIB) is required to update the list of designated strategic freight corridors not less than every two years (RCW 47.06A.020(3))
- Provide a statewide freight dataset to support state and regional transportation planning process
- Inform freight investment decisions



Overview of Freight and Goods Transportation System

What is FGTS?

A classification system of multimodal freight corridors in Washington State based on freight tonnage carried

Components of FGTS System

Truck Freight Corridors	T-1: more than 10 million tons
	T-2: 4 to 10 million tons
	T-3: 300,000 to 4 million tons
	T-4: 100,000 to 300,000 tons
	T-5: at least 20,000 tons in 60 days
Rail Freight Corridors	R-1: more than 5 million tons
	R-2: 1 million to 5 million tons
	R-3: 500,000 to 1 million tons
	R-4: 100,000 to 500,000 tons
	R-5: less than 100,000 tons
Waterway Freight Corridors	W-1: more than 25 million tons
	W-2: 10 to 25 million tons
	W-3: 5 to 10 million tons
	W-4: 2.5 million to 5 million tons
	W-5: 0.9 to 2.5 million tons

**FMSIB
Strategic
Freight
Corridors**

2023 FGTS data request

- Request post-COVID truck volume data from MPOs, RTPOs, counties, cities and ports collected since June 2021
 - Average daily truck volume by truck types (single, double and triple units)
- Verify and update FGTS classification based on post-COVID data
 - Estimated annual truck tonnage and FGTS classification

Data request timeline and process

- **MPO/RTPOs:**
 - Coordinate with city and port members to complete the data request for your region using “city and port data submission form”
 - Provide a consolidated regional response to Wenjuan Zhao at zhaow@wsdot.wa.gov no later than **June 15, 2023**
- **Cities and ports:**
 - Complete the requested information for your jurisdiction/district and coordinate with your MPO/RTPO contact for data submission
- **Counties:**
 - Submit updated data for county freight routes to the County Road Administration Board (CRAB) GIS-MO system by **April 1, 2023**

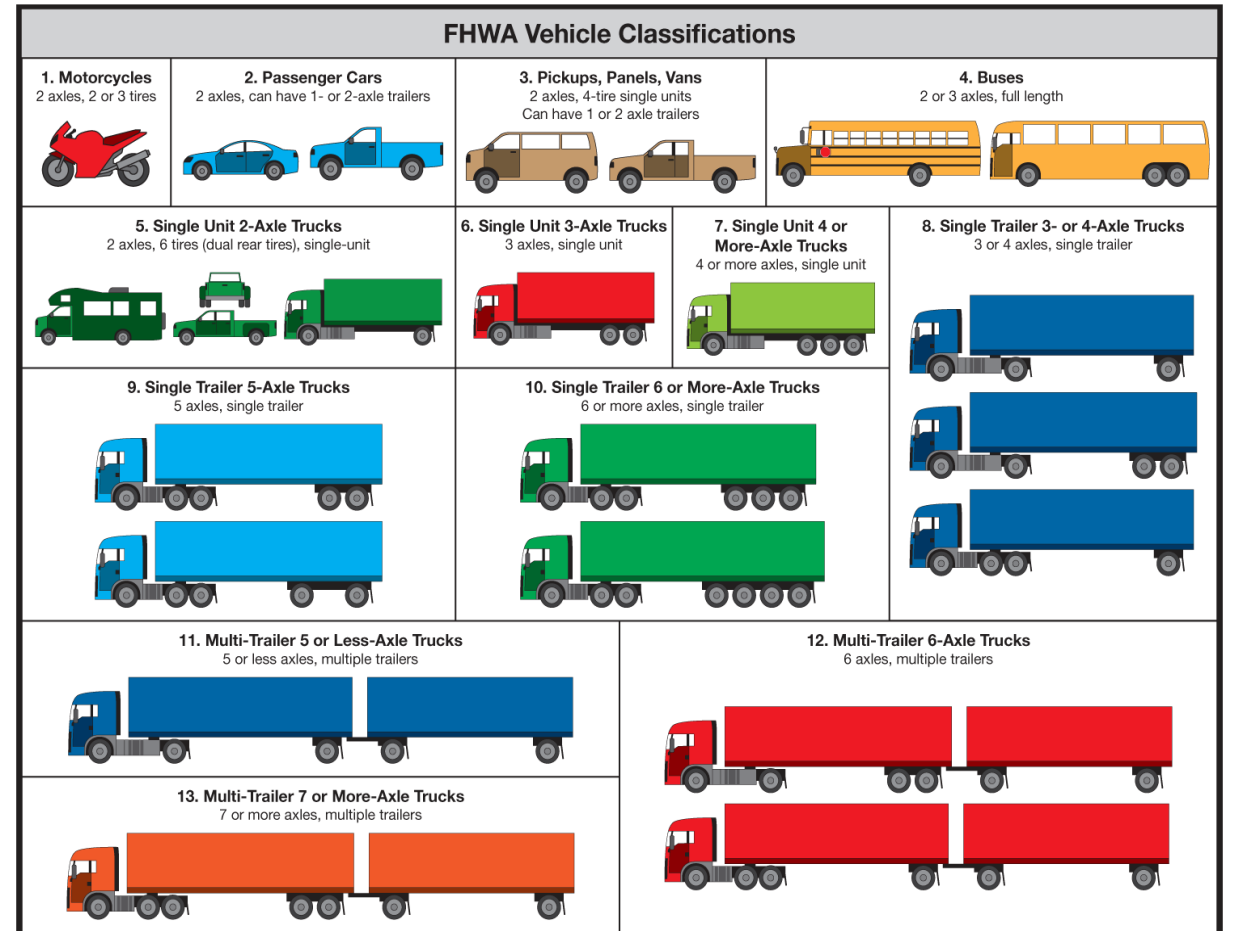
2023 FGTS Update Schedule (tentative)

Steps	2023										2024	
	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	
Local and regional freight data collection	▶											
Data review, validation & visualization				▶								
Submission of Strategic Freight Corridors to FMSIB								★				
Report and GIS data publication										▶		

FGTS tonnage estimation

- FGTS classification is determined by annual truck gross tonnage
 - T-1: more than 10 million tons
 - T-2: 4 to 10 million tons
 - T-3: 300,000 to 4 million tons
 - T-4: 100,000 to 300,000 tons
 - T-5: at least 20,000 tons in 60 days
- Estimate tonnage based on truck volume and average truck weights by classes
 1. Collect and categorize truck volumes by truck types
 - Single unit trucks: class 5 to 7
 - Double unit trucks: class 8 to 10
 - Triple unit trucks: class 11 to 13

Note: see [WSDOT - Short Count Factoring Guide \(wa.gov\)](#) for suggested data collection practice



FGTS tonnage estimation

2. Choose appropriate truck weight values

Truck weight values (in tons)	Single Unit Trucks	Double Unit Trucks	Triple Unit Trucks
County Roads	7	27	42
City streets and state highways	8	26	35

3. Use the following formula to estimate truck tonnage

Annual truck tonnage = (single unit truck volume * average weight for singles + double unit truck volume * average weight for doubles + triple truck volume * average weight for triples) * 250 working days

Additional Resources

FGTS webpage: <https://wsdot.wa.gov/construction-planning/statewide-plans/freight-plans>

FGTS map application:

<https://wsdot.maps.arcgis.com/home/item.html?id=0e37044a459244d9b6414826b46e8c46>

Suggested practice of short duration count data collection:

<https://www.wsdot.wa.gov/mapsdata/travel/shortcountfactoringguide.htm>

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