Discussion: Next Steps for PSRC Freight Work Program

Freight Advisory Committee
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PSRC Role

Growth management & transportation planning

Model on-road motor vehicles (including medium and heavy duty trucks)

- Data analysis and model development to estimate and evaluate transportation system performance
- Includes special generators such as seaports, airports
- Models, growth forecasts reflect land use, including MICs, warehouses, special generators

PSRC does not model or forecast off-road transportation facilities such as marine, rail or air travel
PSRC Freight Work Program

- Briefing paper on freight considerations relevant to policy discussions on growth, under development as part of VISION 2050
- Inventory of freight assets
- Data collection/improved forecasting
- Identification and advancement of relevant issues (e.g. congestion, delay, mobility, etc.)
Inventory of Freight Assets: What we know

- Freight networks - truck, rail, marine, air
- Deepwater ports
- Major Airports/Air cargo facilities
- Rail Intermodal terminals
- Industrial lands
- Manufacturing/Industrial centers
- Warehouses and distribution centers
Inventory of Freight Assets: Discussion

• What are we missing?
• Other ways of presenting these assets?
• What other information would be helpful in understanding these assets?
Data Collection/Forecasting: What we know

Current data sources:

- Counts from local jurisdictions (cities, counties, WSDOT)
- O-D data from ATRI
- Employment data by category to generate truck activity
Data Collection/Forecasting: Next Steps

• Improve forecasting of the growth in freight and goods delivery
• Identify and address congestion and freight mobility issues
  • Evaluate system performance and impacts to/from freight
• Identify maintenance & preservation needs for freight assets
Data Collection/Forecasting:
Other Known Data Sources

• Freight Analysis Framework (Source: BTS/FHWA)
  Existing/future level freight movement and estimates for tonnage and value, commodity type, and mode

• WA Marine cargo forecasts (Source: WA Public Ports Association, FMSIB)
  Forecasts of waterborne cargo (container/bulk) through the state port’s system and modal splits (waterways, rail lines, roads, and pipelines)

• WA Air Cargo forecasts (Source: WA Aviation System Plan)
  Forecasts of air cargo volumes by airport

• ATRI Truck Data (WSDOT)
  Origin – Destination truck flows

• Other local data (air cargo, intermodal/port data, truck counts)
Data Collection/Forecasting: Discussion

In this context, what are the other data sources that we can use to help with our ongoing work and potential enhancements?

How can available data sources help with improving modeling of on-road vehicle demand (trucks)?