Discussion:
PSRC Freight Work Program

Freight Advisory Committee
June 12, 2019
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, completed 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: Overview

1. Identify significant assets related to freight movement
2. Compile and integrate relevant information to develop narratives and better understand how freight moves through the region
3. Improve visualization of freight assets
4. Communicate to decision makers
Assets
Identify significant assets related to freight movement

Networks –

• Highway, railway, marine corridors
• Differentiated by scale (ex. T1/T2/T3), designations (ex. national vs. state)

Designated areas

• Manufacturing/Industrial center (MIC), Industrial lands

Other physical assets

• Deepwater ports/marine terminals
• Major airports/Air cargo facilities
• Rail intermodal terminals
• Military installations
• Warehouses and distribution centers

Anything else?
Narratives
Compile and integrate relevant information to develop narratives and better understand how freight moves through the region

• Identify and review sources to obtain relevant information on asset categories

• Initial list of sources compiled so far
  • PSRC Industrial Lands Analysis Report
  • PSRC current employment data set
  • Global Trade & Supply Chain Management Economic Impact Analysis
  • Kent Valley Supply Chain Management Sector Analysis
  • ATRI OD data

• Other sources?
Narratives (cont.)
Compile and integrate relevant information to develop narratives and better understand how freight moves through the region

• Develop narratives to complement the inventory of freight assets

• Example narratives:
  • What are the top five industries in industrial lands, in terms of jobs?
  • What is the economic impact of industrial lands to the state of Washington?
  • What are some examples of the type of products handled at the different ports in the region?
  • What do we know about the type of cargo leaving vs. remaining in the region?
  • Others?
3. Visualization

Improve visualization of freight assets

• Working to provide a more useful and illustrative visualization of the data

• Could be an interactive web map, Tableau, infographics, etc.
  • Examples provided on the right and in the following slides

Example: Use of Infographics (PSRC blog)
### PSRC 2019-2022 Regional TIP Map

**S 228th St Grade Separation**

**Location:** S. 228th St. 700th east to 700th west of Union Pacific Railroad tracks

**Description:** The project will provide a grade separation between the Union Pacific Railroad tracks at S. 228th Street via an overcrossing. The railroad will operate at the existing track grade, and the roadbed for S. 228th Street will be constructed over the rails. To accommodate the over-crossing, associated improvements will include driveway improvements for the adjacent businesses, to accommodate access, concrete curbs, gutters, and sidewalks, storm drainage improvements, geometric improved blocking walls, and new lighting. The project will be constructed in phases, the first phase will allow for the construction of the center pier drilled shafts to accommodate a scheduled power shutdown of Puget Sound Energy’s overhead transmission lines. The remainder of the project will be constructed in future phases.

**Total Project Cost:** $21,055,197

**Estimated Completion Year:** 2018

**Improvement Type:** Grade Separation

See bottom panel for financial data

### Financial Data

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<tr>
<th>Phase</th>
<th>Year</th>
<th>Funding Type</th>
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<th>State Funding</th>
<th>Local Funding</th>
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Example: Use of Tableau

Corridor Travel Time

Average Travel Time

Average Speed

Total Trips by Time of Day

Trip Purpose Distribution

Data from the National Performance Management Resource Dataset: https://trip fraught dot gov/perf_measurement/
Using inventory to communicate the importance why does freight matter?

Jobs, economic impacts to region and state, but also for products in every day use

Also brings impacts to the transportation system – distribution patterns will tell a story, lead to further analysis and deeper dive into transportation impacts
Other ongoing efforts

- Monitoring of ongoing studies
- Continuing to pursue updated data as available
- Integrate freight and other transportation data with supporting analyses to identify needs and gaps, assess system performance and inform the next Regional Transportation Plan update