

Working Draft: Inventory of Freight Assets



**Freight Advisory Committee
October 9, 2019**



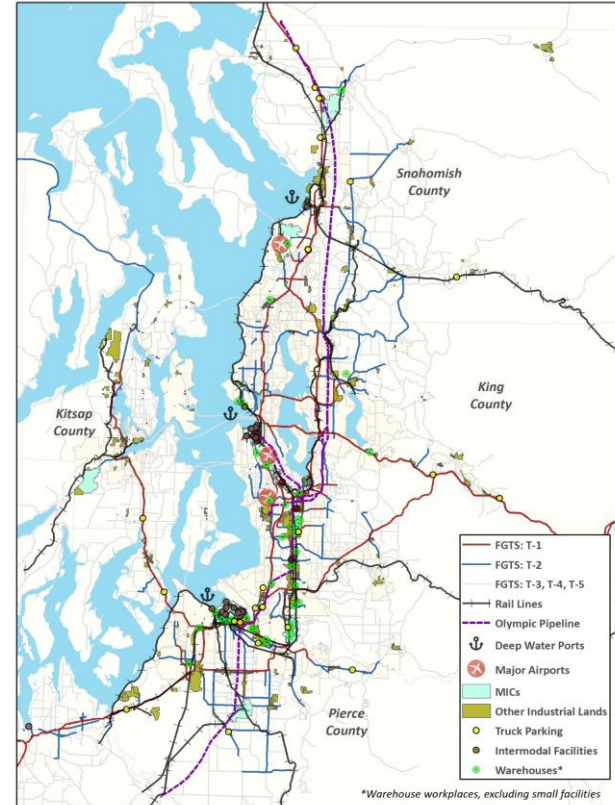
Inventory of Freight Assets – Working Draft

- Per previous discussions:
 - Inventory of assets
 - Meant to be a high level introduction, not a detailed freight report
 - Data / anecdotes on economic impacts, types of goods, “why it matters”
 - Visualization options
 - Next steps



Inventory of Freight Assets – Working Draft

- Working draft map =
 - T-1 through T-5 routes
 - Rail lines
 - Ports
 - Airports
 - MICs and Industrial Lands
 - Truck parking
 - Intermodal facilities
 - Warehouses



Inventory of Freight Assets – Working Draft

- Railways
 - Explain classifications
 - Types of products moved
 - Connections

For example:

- *products moved range from consumer electronics to heavy bulk goods*
- *important intermodal connection*
- *other important things to highlight?*



Inventory of Freight Assets – Working Draft

- Marine
 - Explain classifications
 - Types of products moved
 - Connections

For example:

- *moves bulk goods such as crude oil, aircraft parts and automobiles*
- *important role in moving agricultural products*



Inventory of Freight Assets – Working Draft

- Marine
 - Three major ports – anecdotes, products, economic impact
 - *NW Seaport Alliance – supported over 58,000 jobs in 2017, over \$77 billion in international trade; links to international markets in Asia and elsewhere*
 - *Port of Everett – specializes in high value, over dimensional cargo such as airplane and aerospace parts; supported over 35,000 jobs and \$373 million in state and local tax revenue*
 - *Other interesting anecdotes / information to share?*



Inventory of Freight Assets – Working Draft

- Air
 - Locations
 - Products moved
 - connections

For example:

- *moves high value and/or perishable products*
- *three airports – SeaTac, Boeing Field and Paine Field*
- *85% of Washington State air cargo market held by Sea-Tac and Boeing Field*



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- MICs and Industrial lands
 - Describe areas, uses
 - Economic impacts
- *13 subareas in the region with concentrations of industrial lands, including 10 MICs*
- *Accounts for more than **345,000** jobs in industries such as aerospace manufacturing, wholesaling, distribution and logistics, ship and boat building and others*
- *Gross business income of these industries amounted to **\$917 billion** in 2018, 57% of the state's total*



Inventory of Freight Assets – Working Draft

- Highways
 - Explain T-1 through 5 system
 - Key facilities
 - Explaining truck parking system, constraints

For example:

- *Over 60% of freight in the region is moved by trucks*
- *I-5 and I-90 are two of the main corridors for truck travel*
- *Serves both intra-region and throughput, as well as connecting to other modes*

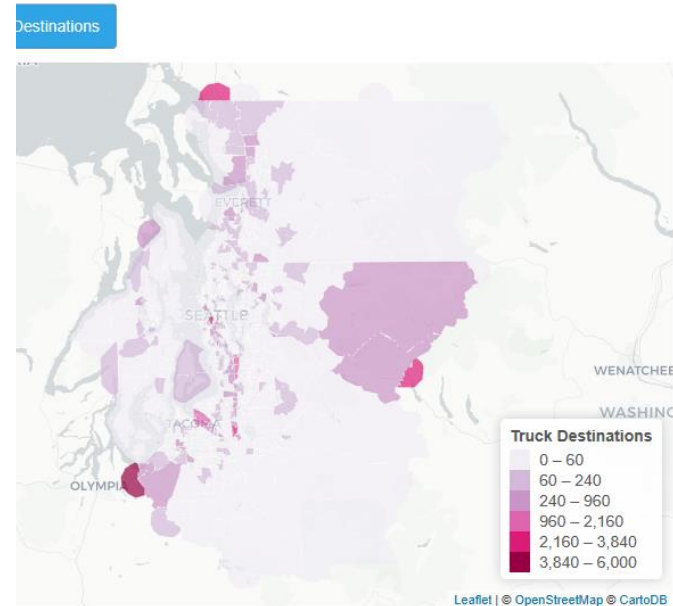
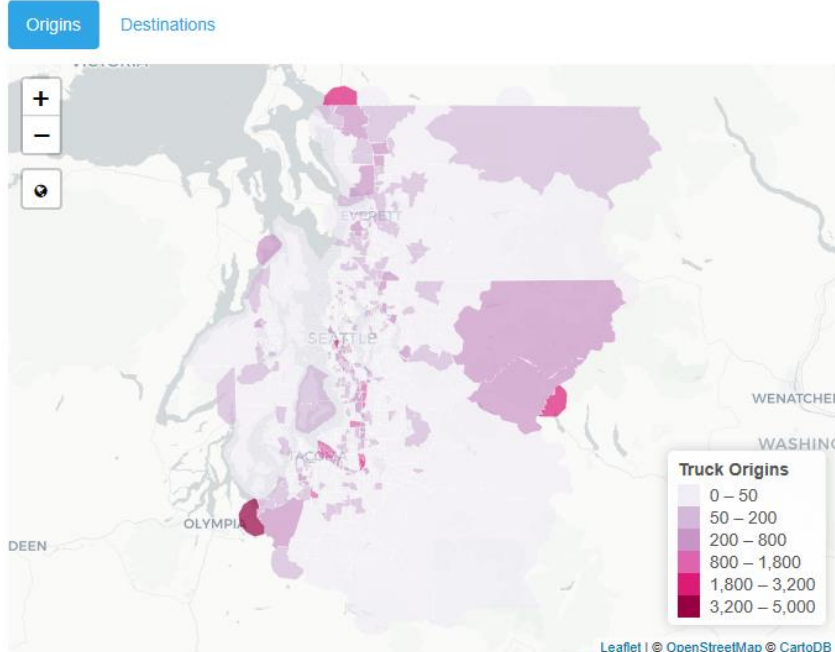


Inventory of Freight Assets – Working Draft

Example of truck data that may be useful to share:

Truck Trips by Traffic Analysis Zone

As expected, daily truck trips tend to be concentrated in areas across the region with a focus in places with industrial uses. The two largest single origins for truck trips in the region in 2014 were Harbor Island (3199 daily truck trips, 3.97% of all truck trips in the region) and Sumner/Pacific (3044 daily truck trips, 3.78% of all truck trips in the region).



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Example of truck data that may be useful to share:

Truck Trips by Area

Industrial Center **Industrial Lands** County

Show entries

Search:

Industrial Lands	origins			destinations		
	Internal	External	Total	Internal	External	Total
405 Corridor	2,180	181	2,361	2,201	133	2,334
Arlington - Smokey Point	796	211	1,007	843	151	994
Ballard - Interbay	883	91	975	921	67	989
Dupont - Gray Field	141	51	192	265	79	344
Duwamish - North Tukwila	7,661	689	8,351	7,339	626	7,965
Frederickson - Lakewood	2,181	353	2,534	2,258	321	2,580
North Kent Valley	5,753	851	6,605	6,023	801	6,825
North-Central Everett	339	77	416	328	63	391
Puyallup Valley - Tacoma	6,446	1,097	7,543	7,021	1,041	8,062
Sea-Tac	217	23	240	238	20	259
Sinclair Inlet - PSICB	315	47	362	293	42	335
South Kent Valley	7,481	972	8,454	7,452	981	8,434
Southwest Everett	1,038	201	1,240	1,065	183	1,249
Rest of Region	33,814	6,473	40,288	33,477	6,329	39,806

Showing 1 to 14 of 14 entries

Previous Next



Visualization Options

- Different options for web mapping, and to connect the stories:

San Diego

<https://gis.sandag.org/FreightViewer/#map>

New Jersey

<http://freightactivitylocator.njtpa.org/>

Philadelphia

<https://www.dvrpc.org/webmaps/phillyfreightfinder/#home>

Boston

<https://hubway.countlove.org/>



Visualization Options

Park and Ride Usage

Lot Usage

- Very Full (Occupancy >90% Capacity)
- Less Full

Very Full

- (All)
- Very Full (Occupancy >90% Capacity)
- Less Full

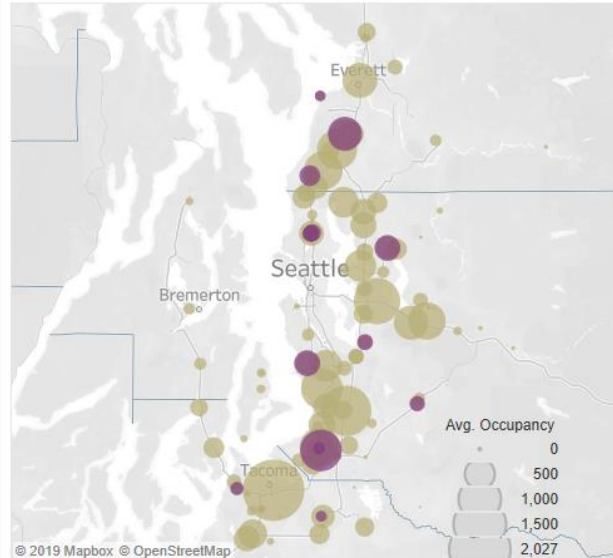
Select County

- (All)
- King County
- Kitsap County
- Pierce County
- Snohomish County

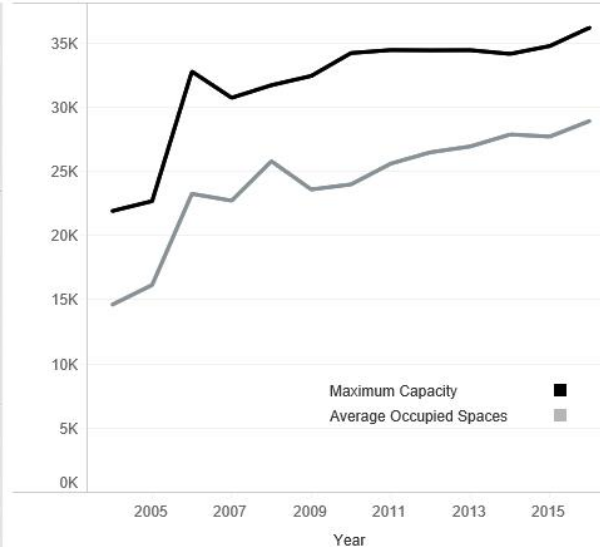
Filter Lot by Name

(All)

Average Occupied Parking Spaces (2004-2016)



Capacity and Occupancy Over Time



Example of two related, but distinct, data points on a page



Next Steps

- Step 1 = December Transportation Policy Board introduction to the inventory of freight assets, key data
- Step 2 =
 - Further analysis of truck trips and O/D data
 - What are the patterns, key takeaways
 - Incorporation of RTP trip times / delay data on specific corridors

