



SEATTLE FREIGHT MOBILITY PROGRAM



2006





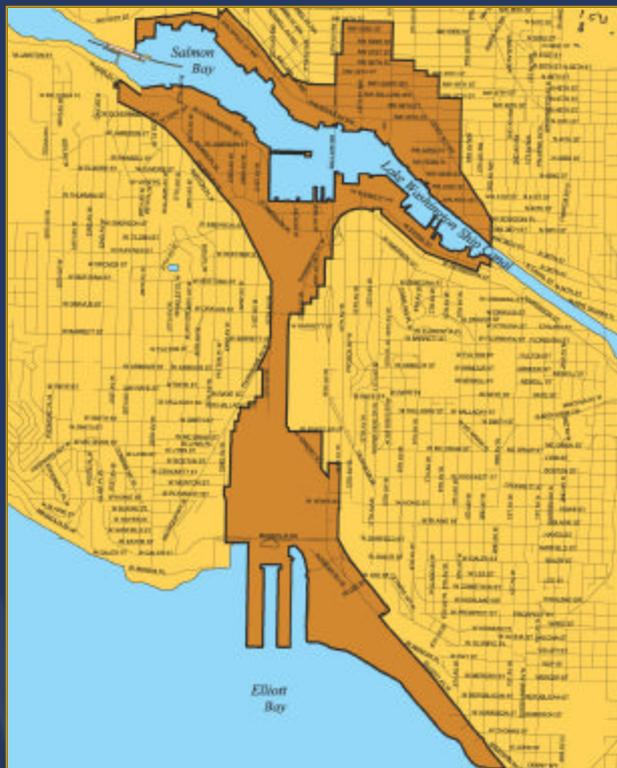
Freight Investments Support Economy



Manufacturing and Industry are Important to
Creating Jobs and Opportunity

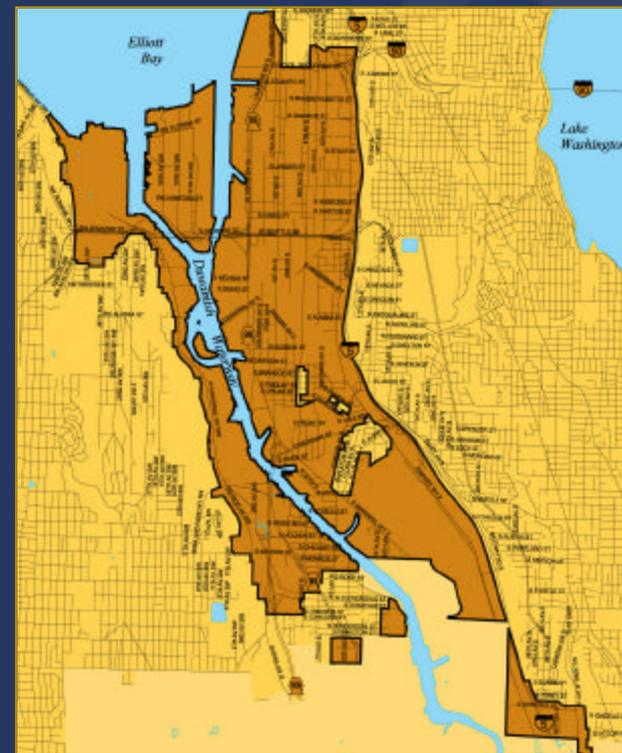


Industrial Areas



Duwamish

Ballard Interbay





Freight Mobility is Vital to the Economy

- Manufacturing and maritime supply up to 12,700 jobs accounting for 25 percent of Seattle's jobs
- Seattle's industrial jobs represent 14 percent of the total industrial jobs statewide
- Seattle's industries generate 13 percent of the total statewide industrial revenue (\$226.4 billion in 2001)





Seattle Freight Program

- Key goal-economic health/expansion/jobs
- Protect and improve freight movement
- Involve the freight community
- Dedicated freight staff
- Funding
- Strong presence in regional and local freight forums



Seattle Freight Program

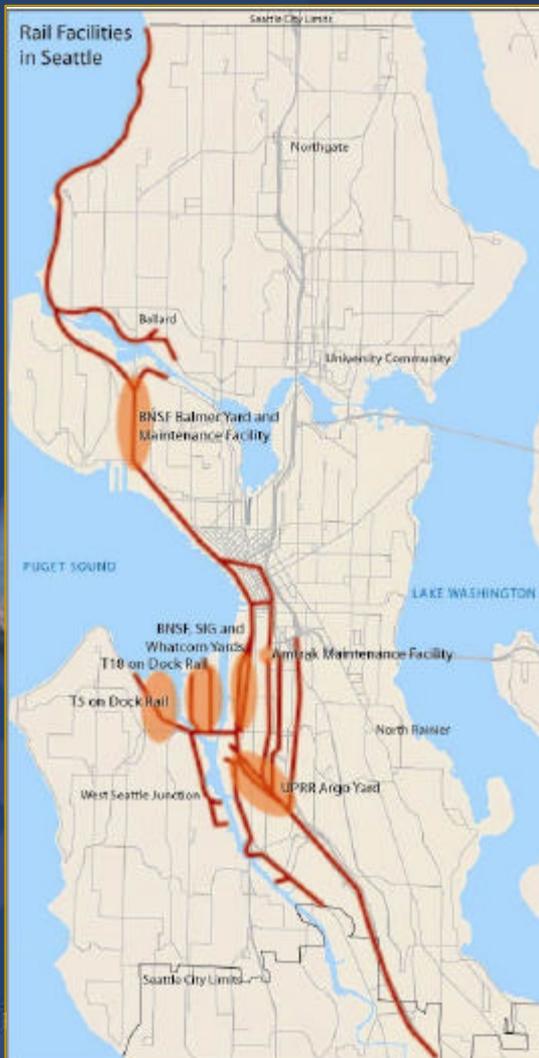


FREIGHT MODES

- Port of Seattle-major container gateway
- Three freight railroads
- Trucking is omnipresent
- Boeing Field-major air freight activity
- Pipeline between Renton and Harbor Island
- Marine: NW fishing industry and shipping



Rail is a Predominant Feature in Seattle



- Three primary freight operators:
 - BNSF Railway
 - UPRR
 - Ballard Terminal Railroad along the Ballard Ship Canal
- Passenger Rail: Amtrak and Sound Transit Commuter Rail
- Four intermodal yards

Freight Mobility Challenges



- Old street infrastructure
- Limited street space
- Growing traffic demand
- Increased truck and rail volumes and conflicts
- Larger trucks
- Construction detours
- Balancing the needs of various modes of travel



Time is Money

WEST COAST TRUCKING -SEATTLE

- Changes in operations and increased costs caused by congestion
 - \$1.6M increase in costs
 - 15 percent more trucks handling same amount of business
- Productivity Loss
 - A truck travels from Wenatchee to Puget Sound in four hours. It can take *ANOTHER TWO HOURS* to get to the Port of Seattle



Keeping Freight Moving

SDOT PROACTIVE ON FREIGHT

- Freight Action Plan
- Freight Committee
- Freight integrated in SDOT





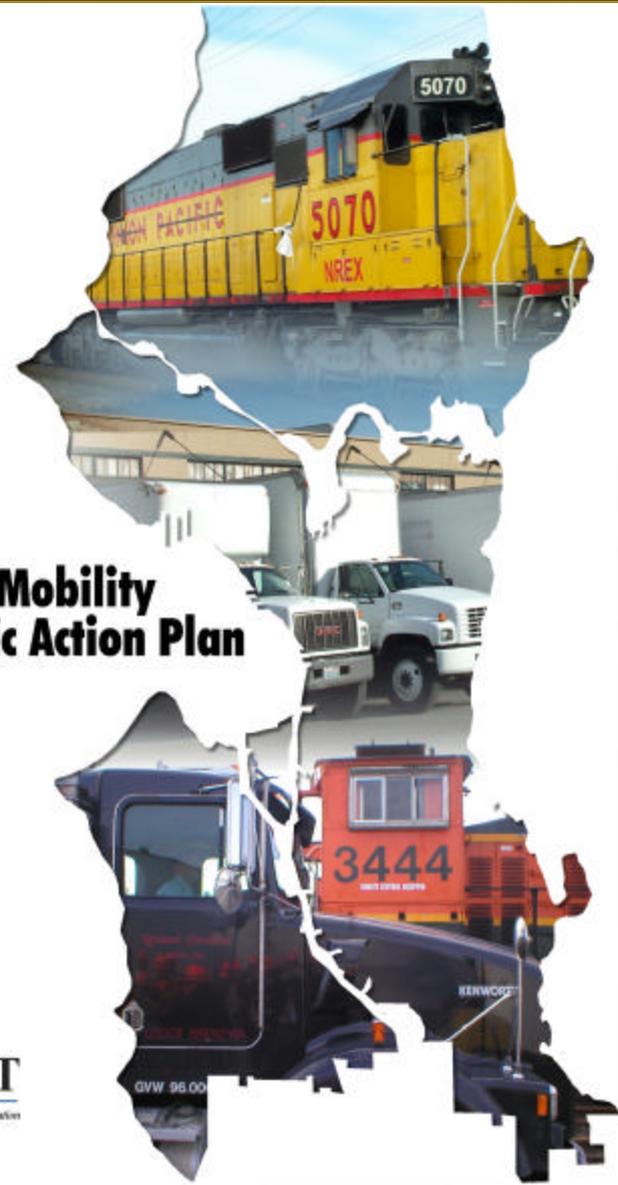
Seattle's Action Plan

22 Actions to *Keep Freight Moving*



Freight Mobility Strategic Action Plan

May 2005





Freight Mobility Plan

ACTION CATEGORIES

- Seattle is the region's economic engine
- Creating freight partnerships
- Truck access and circulation
- Rail access and operations
- Port of Seattle container & cargo terminals
- Freight access to industrial areas
- Retail goods delivery
- Accomplishments





SDOT Values Freight

- Commercial vehicle enforcement /permitting
- Traffic operations
- Street design
- Rail crossing safety
- Overlegal truck movement
- Flammable/combustible liquids
- Curb loading
- Plan implementation





SDOT Prioritizes Freight Streets

All **arterial streets** are routes where trucks are allowed and encouraged.

A **Major Truck Street** classifies an arterial street that accommodates significant freight movement.

The designation is important criterion for street and pavement design, traffic management decisions and repair.



Seattle Freight Program

TRUCKING CATEGORIES

- Single unit and tractor trailer
- Oversize loads
- Tanker trucks and hazardous materials
- Fire trucks
- Delivery/service providers





From the Port Docks To Rail Yards

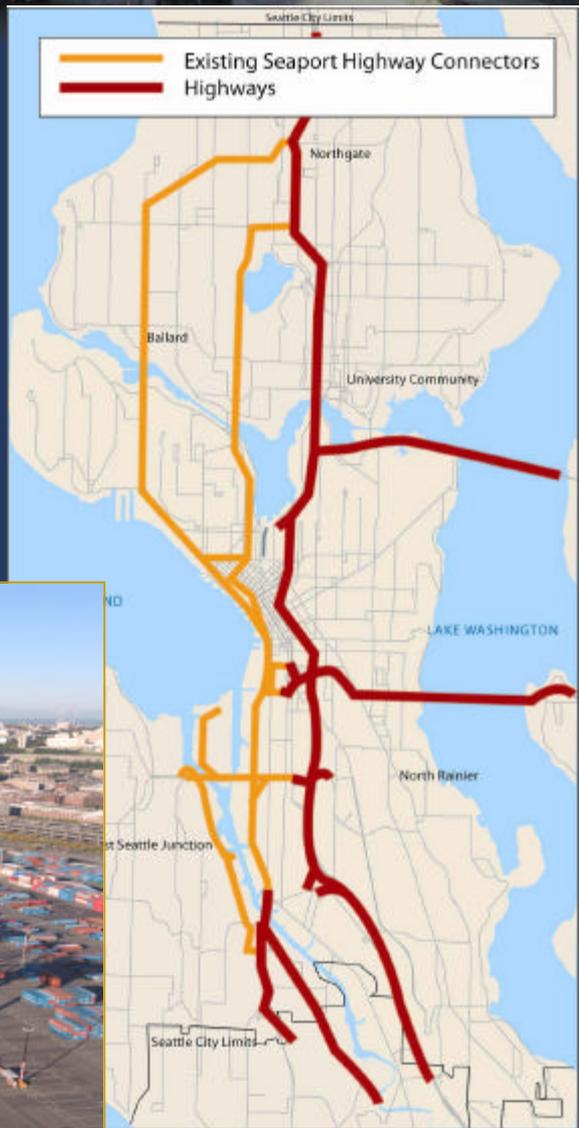
Seaport to Rail Connector Routes





Seattle Links Port to the Nation

Seaport Highway Connector Routes





Seattle Freight Mobility Advisory Committee

COMMITTEE FUNCTIONS:

- Represent the two city Manufacturing and Industrial Centers - the Duwamish and Ballard Interbay Northend (BINMIC) areas
- Makes recommendations to decision makers and project sponsors
- Review and advise on major projects
- Projects include Alaskan Way Viaduct, Mercer, W. Marginal Trail, Spokane St Viaduct

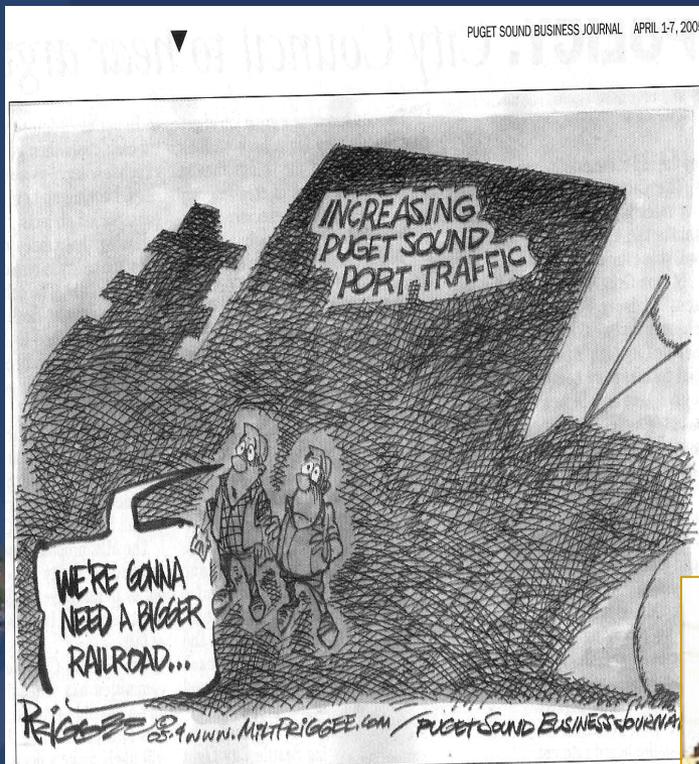


Committee Participation Includes:

- Nelson Trucking
- Trident Seafoods
- Ballard Oil
- Charlie's Produce
- Ballard Terminal Railroad
- West Coast Trucking
- Alaska Distributors
- Port of Seattle
- Continental Van Lines
- Burlington Northern Railroad
- MacMillan-Piper
- Island Tug and Barge
- Nucor Steel
- Washington Trucking Assoc.



Steps Toward Freight Mobility



Monitor and manage streets for truck and rail in Manufacturing and Industrial Centers

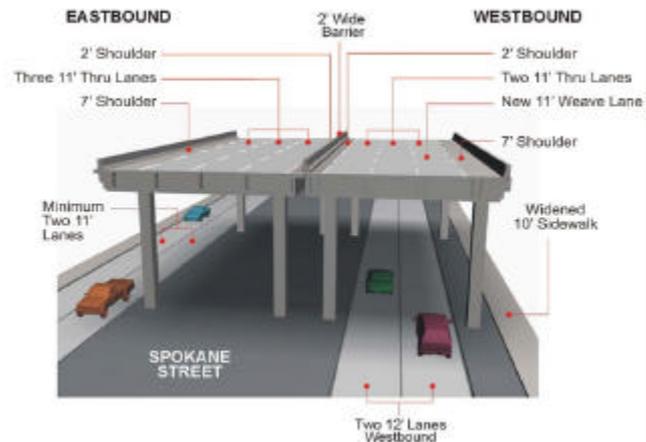


Projects to Improve Freight

Existing Viaduct



Viaduct after Widening



SPOKANE STREET VIADUCT WIDENING

- Gateway to the Port and West Seattle
- Improve safety, through put and access



Freight Responses



- Protect and improve freight movement
- Construct radii: WB 50, WB 62 and WB 67
- Desirable grade is 5 percent
- Designate truck only-streets
- Revise commercial load zone practices for easy access
- Add route finding tools to streets



Seattle Freight Program



TRUCKERS RODEO November 2005

- Test truck turning ability for WB 67 / 75' vehicle
- Confluence of two major truck streets
- Tested semi, oversize and fire trucks
- Co-located with bicycle routes



Seattle Freight Program

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Freight Program Website--

<http://www.seattle.gov/transportation/freight.htm>

Freight Mobility Advisory Committee Website--

<http://www.seattle.gov/transportation/fmac.htm>