

Date: Wednesday, June 17, 2009
To: Metro Region Jurisdictions and Interested Parties
From: Regional Freight and Goods Movement Task Force
Subject: Regional Freight Goals, Issues, Priorities and Project List

Purpose of this memo: The Regional Freight and Goods Movement Task Force, a private and public stakeholder committee chaired by Councilor Rod Park, created a set of goals for regional freight movement, and identified key issues and priorities to be addressed by the region. This memorandum and the attached project list are intended to help local jurisdictions understand regional freight priorities as they prepare Regional Transportation Plan (RTP) project lists.

Freight Task Force goals—reduce delay, increase reliability, improve safety and provide choices to help area businesses remain competitive

The Portland-Vancouver area is a globally competitive international gateway and domestic hub for commerce. The multimodal freight transportation system is a foundation for economic activities and we must strategically maintain, operate, and expand it in a timely manner to ensure a vital and healthy economy. A systems approach to plan and manage our multimodal freight transportation infrastructure must recognize and coordinate both regional and local transportation and land use decisions to maintain seamless freight and goods flow and access that benefit us all.

Key issues for the regional freight transportation system include:

Congestion and hotspots – chronic road and rail network bottlenecks impede regional freight/goods movement

Reliability – unpredictable travel time due to crashes, construction, special events, and weather

Capacity constraints – due to physical and operational issues as well as lack of capacity in critical corridors

Network barriers – safety concerns and out of direction travel resulting from weight-limited bridges, low bridge clearances, steep grades, at grade rail crossings and poorly designed turns or intersections

Land use – system capacity and land for industrial uses is being lost to other activities

Impacts – managing adverse impacts including diesel emissions, water quality, noise and land use conflicts

Freight-oriented preservation, management and investment priorities should focus on:

- Core throughway system bottlenecks to improve truck mobility in and through the region – hotspots of note include the Columbia River Crossing influence area, the I-5/I-405 loop and the I-5 corridor south of I-205.
- Improving and protecting the throughway interchanges that provide access to major industrial areas, particularly: I-5/Marine Drive and I-5/Columbia Blvd serving the Columbia Corridor and Rivergate industrial areas; I-205/Hwy 212 serving the Clackamas and Milwaukie industrial areas; and I-205/Airport Way serving Portland International Airport and east Columbia Corridor industrial areas.
- Improving arterial connections to current and emerging industrial areas (e.g., Sunrise Corridor phased improvements recommended by the Sunrise Project Policy Committee and *last mile* local industry connectors, e.g., Columbia/Cascade River District Projects)
- Looking beyond the roadway network to address critical marine and freight rail transportation needs such as completing the Columbia River channel deepening and upgrading main line and rail yard infrastructure.

The Task Force prioritized regional freight project list (attached)

The attached table represents the Task Force's freight priority list as of 2008 (Table 4.3 from the document, *Investing in Freight System Infrastructure*, April 2008). The list, which was developed in 2007-08, begins with those projects that ranked highest at the time the list was finalized. Please note, therefore, that 1) a number of the projects are now under construction or have been funded through recent initiatives; 2) several corridor studies have been completed, which may change project priorities; and 3) the list doesn't reflect the ongoing corridor mobility work coming from the RTP update effort. Note that the growing recognition of funding limitations may increase the priority of lower cost solutions. Finally, some important local freight and goods movement projects may not be reflected in this list.

The following Table represents the 2008 Task Force's freight priority list (Table 4.3 from a report, *Investing in Freight System Infrastructure*, April 2008). Note that the list was developed in 2007-2008, and has not been updated. The list begins with those projects that ranked highest at the time the list was finalized. The left-most column has been added to identify whether the project is in the currently adopted Federal RTP Status (indicated as yes/no).

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
High Regional Priority				
Yes	10000	Linwood/Harmony Rd./ Lake Rd. Overcrossing/ Intersection	Add NB right turn lane, add EB right turn lane, add WB left turn lane and grade separate UPRR.	\$20,000,000
Yes	10357	Channel Deepening	Deepening the Columbia River channel to 43 feet between mouth of Columbia River and Portland/Vancouver Harbor.	\$150,573,000
Yes	10865	New I-205 NB on-ramp at I-205/Airport Way interchange based on I-205/Airport Way Study	New I-205 NB on-ramp at I-205/Airport Way interchange based on I-205/Airport Way Study.	\$27,200,000
Yes	10866	Improve I-5/Columbia River bridge (Oregon share)	Improve I-5/Columbia River bridge (Oregon share).	\$50,000,000
Yes	10867	I-5: Conduct preliminary engineering and environmental work to modernize freeway and ramps to improve access to the Lloyd District and Rose Quarter	Conduct preliminary engineering and environmental work to modernize freeway and ramps to improve access to the Lloyd District and Rose Quarter.	\$30,000,000
Yes	10874	I-5: Construct new roadway between Columbia Blvd and Denver Ave near Argyle Street; replace Denver Viaduct; Relocate/reconstruct and signalize Denver/Schmeer Rd intersection	Construct new roadway between Columbia Blvd and Denver Ave near Argyle Street; replace Denver Viaduct; Relocate/reconstruct and signalize Denver/Schmeer Rd intersection.	\$46,000,000
Yes	10877	Modernize freeway and ramps to improve access to the Lloyd District and Rose Quarter (Greeley ramp improvements in financially constrained system). I-84/I-5 interchange would include two phases (phase 1 is project #390, phase 2 is #427, and phase 3 is #4	Modernize freeway and ramps to improve access to the Lloyd District and Rose Quarter (Greeley ramp improvements in financially constrained system). I-84/I-5 interchange would include two phases (phase 1 is project #390, phase 2 is #427, and phase 3 is #4.	\$521,000,000
No	10883	I-5: Acquire right-of-way	Acquire right-of-way.	\$20,000,000
Yes	10884	I-5/I-84 Interchange: Acquire R-O-W	Acquire right-of-way.	\$30,000,000
No	10893	Improve I-5/Columbia River bridge (Oregon share)	Improve I-5/Columbia River bridge (Oregon share).	\$550,000,000
Yes	11091	Columbia Blvd./I-205 Interchange: SB On-Ramp Improvement	Expand the on-ramp to three lanes, including for truck/HOV	\$750,000
Yes	11121	I-5 Delta Park Phase 1	Widen I-5 to 3 lanes, realign ramps	\$73,079,000
No	20010	Install High Speed crossovers at North Portland Jct.	Replace existing 10mph crossovers at North Portland Jct. with high speed turnouts. If necessary, construct connection between Peninsula Terminal Co and BNSF A&B yards at Terminal 6 and eliminate interchange	\$15,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			connection at North Portland.	
No	20012	Expand Controlled siding at East St. Johns	Reconstruct/extend East Pass at East St. Johns to serve as third main between Willamette Draw and Columbia Slough (8300'). Install eastward crossover at Willamette Draw from main one to main two.	\$10,000,000
No	20013	North Portland Junction	Upgrade railroad with revised crossovers, centralized traffic control tie-in and increased turning radius.	\$9,160,000
Medium-High Regional Priority				
Yes	10001	Johnson Creek Blvd. Interchange Improvements	Add loop ramp and NB on-ramp; realign SB off-ramp.	\$9,800,000
Yes	10002	Johnson Creek Blvd. Improvements	Widen from three to five lanes and widen bridge over Johnson Creek.	\$40,790,000
Yes	10020	Clackamas County ITS Plan	Deploy traffic responsive signal timing, ramp metering, traffic management equipment for better routing of traffic during incidents along the three key ODOT corridors - I-205, I-5, and 99E. Install signal controller upgrades and update county ITS plan.	\$6,500,000
No	10105	224 Grade Separation	Preferred approach would be burial of 224, with at least one overcrossing (Harrison).	\$100,000,000
No	10111	North Industrial Access Improvements (OR 99-E)	Add turn pockets and/or turn lanes. Reconfigure access points. Improve internal circulation to optimize access points.	\$10,000,000
No	10115	Sunrise project ROW Preservation	Acquire right-of-way.	\$100,000,000
No	10119	Hwy. 213 - Phase 2	Add through lane in both directions.	\$25,000,000
No	10139	I-205 Climbing Lanes	I-205 Abernethy Bridge Widening.	\$20,000,000
Yes	10154	Wilsonville Rd./I-5 Interchange Improvements - Setback Abutments & Widen Wilsonville Rd.	Provide additional left-turn lanes, setback abutments, improves signal synchronization, fixes sight distance problems, and provides for enhanced bike/pad safety.	\$11,000,000
Yes	10213	Airport Way, NE (I-205 to NE 158th Ave.): ITS	Install needed ITS infrastructure (communication network, new traffic controllers, CCTV cameras, and vehicle /pedestrian detectors). These ITS devices allow us to provide more efficient and safe operation of our traffic signal system.	\$278,251
Yes	10219	Argyle on the Hill, N Columbia to N Denver Ave.	New N Argyle street connection, west of I-5.	\$11,773,032
No	10237	Southern Triangle Circulation Improvements, SE	Improve local street network and regional access routes in the area between the Powell/12th, Willamette River,	\$2,887,500

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			railroad mainline and Hawthorne Bridge. Improve freeway access route from CEID to I-5 SB via the Ross Island Bridge.	
No	10239	11th/12th/Railroad Crossing, SE (West of Division): Intersection Improvements	Reconstruct intersection to upgrade traffic signalization and establish bike and ped. routes.	\$400,000
Yes	10336	Alderwood/Columbia Blvd/Cully, NE: Intersection Improvements	Reconstruct intersection to provide left turn pockets, enhancing turning radii, and improving circulation for trucks serving expanding air cargo facilities south of Portland.	\$1,460,000
No	10346	Marine Dr, N/NE (Portland Rd. to 185th): ITS	CCTV at N Portland Rd. Changeable message signs at Portland Rd, Vancouver, and 185th.	\$170,000
Yes	10366	Alderwood Rd. and Cornfoot Intersection Improvements	Add signals and/or improve turn lanes at Alderwood Rd/82nd Ave, Alderwood Rd/Cornfoot Rd, AirTrans Way/Cornfoot Rd.	\$2,206,000
Yes	10369	Leadbetter St. Extension/Overcrossing	Complete Leadbetter St. loop to Marine Dr. (Pacific Gateway/T-6 intersection) and construct road bridge over rail line.	\$11,203,600
Yes	10375	Cathedral Park Quiet Zone	Address rail switching noise related to the Toyota operations at T-4 by improving multiple public rail crossings in the St. Johns Cathedral Park area.	\$5,198,900
Yes	10378	T-6 Internal Overcrossing	Construct an elevated roadway between Marine Dr. and Terminal 6.	\$3,649,084
Yes	10379	Marine Dr. Improvement Phase 2	Construct rail overcrossing on Marine Dr.	\$13,644,200
Yes	10393	Replace RR Over-crossing on 223rd Ave.	Reconstruct railroad bridge on 223rd Ave, at I-84 to accommodate wider travel lanes, sidewalks and bike lanes.	\$7,000,000
Yes	10394	Replace RR Over-crossing on 223rd Ave.	Reconstruct railroad bridge on 223rd Ave, 2000' north of I-84 to accommodate wider travel lanes, sidewalks and bike lanes.	\$7,000,000
Yes	10410	Broadway Bridge Rehabilitation	Rehabilitate mechanical system, approach structure, corrosion control, and phase 1 seismic.	\$22,700,000
Yes	10414	Sellwood Bridge Rehabilitation/Replacement	Implement results of alternatives analysis.	\$25,100,000
Yes	10493	181st Ave. Sandy to I-84	Add southbound aux lane & widen RR overcrossing.	\$827,659
Yes	10556	Tualatin-Sherwood/Boones Ferry Intersection	Grade separate Tualatin-Sherwood/Boones Ferry intersection	\$25,000,000
No	10588	Grahams Ferry Rd Improvements	Widen Grahams Ferry Rd to 3 lanes, add bike/pedestrian connections to regional trail system, and fix undersized	\$28,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			railroad overcrossing.	
No	10598	I-5/99W Connector Related Arterial Improvements	Improve arterial roads to enhance the function of the I-5/99W Connector.	\$50,000,000
No	10599	Hwy. 217/72nd Ave. Interchange Improvements	Complete interchange reconstruction with additional ramps and overcrossings.	\$19,537,000
Yes	10600	Hwy. 26/Shute Interchange Improvements	Add westbound to southbound loop ramp, additional northbound through lane and relocate Jacobsen intersection.	\$29,272,000
Yes	10674	Oregon-Tonquin Intersection & Street Improvements	Intersection improvements (consider roundabout) on Oregon at Tonquin Road; sidewalks and bike access through the intersection.	\$1,945,000
No	10675	Adams Ave Signal & Interconnect on T-S Rd.	Install traffic signal at Adams Ave. and interconnect the signals along T-S road between Cipole and Borchers.	\$1,875,000
No	10734	I205 SB - I5 SB	Merge lane to I-5 south.	
Yes	10751	Hwy. 217 Overcrossing	Realign Hunziker Road to meet Hampton Street at 72nd Ave. and removes existing 72nd/Hunziker Road intersection.	\$9,635,000
Yes	10767	72nd Ave. Intersection Improvements	Southbound right turn lane, northbound right turn overlap at Hwy 99W and 72nd; Southbound or Eastbound right turn lane at 72nd/Hampton/Hunziker.	\$2,000,000
Yes	10770	Hwy. 99W Intersection Improvements	Provide increased capacity at priority intersections, including bus queue bypass lanes in some locations, improved sidewalks, priority pedestrian crossings, and an access management plan, while retaining existing 4/5-lane facility from I-5 to Durham Road.	\$19,669,000
Yes	10869	Sunrise Project: Construct new highway facility from I-205 to 122nd and interim connection to 122nd Ave as defined by supplemental EIS	Construct improvements as defined by supplemental EIS.	\$116,000,000
Yes	10870	I-5/99W Connector Phase 1: Conduct study, complete environmental design work and NEPA for I-5 to OR-99W Connector and acquire ROW	Phase 1: Conduct study, complete environmental design work and NEPA for I-5 to OR-99W Connector and acquire ROW.	\$100,500,000
Yes	10872	Add lane: SB I-205 to SB I-5 interchange ramp and extend acceleration lane and add auxiliary lane on SB I-5 to Stafford Road.	Add lane to SB I-205 to SB I-5 interchange ramp and extend acceleration lane and add auxiliary lane on SB I-5 to Stafford Road.	\$9,700,000
Yes	10875	OR 217: Braid OR 217 ramps between Beaverton-Hillsdale Hwy. and Allen Blvd. in both directions.	Braid OR 217 ramps between Beaverton-Hillsdale Highway and Allen Boulevard in both directions.	\$79,600,000
Yes	10876	I-84: Extend Halsey exit lane to I-205 NB exit	I-84 Lane Extension: Halsey to I-205 NB ramp.	\$6,446,790
No	10878	I-5/99W Connector Phase 2: Minimum Operable Segment - construct minimal connection to I-5 and two lane arterial to Tonquin Road/124th extension	Phase 2: Minimum Operable Segment - construct minimal connection to I-5 and two lane arterial to Tonquin Road/124th extension.	\$263,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
No	10879	I-5/99W Connector Phase 3: Additions to Minimum Operable Segment - Extend two lanes to OR 99W and construct interchange	Phase 3: Additions to Minimum Operable Segment - Extend two lanes to OR 99W and construct interchange.	\$148,000,000
No	10880	I-5/99W Connector Phase 4: Additions to minimum operable segment - Improve I-5 interchange connections and add braids on I-5	Phase 4: Additions to minimum operable segment - Improve I-5 interchange connections and add braids on I-5.	\$113,000,000
No	10881	I-5/99W Connector Phase 5: Additions to minimum operable segment - Construct mid-point interchanges	Phase 5: Additions to minimum operable segment - Construct mid-point interchanges.	\$56,500,000
No	10882	I-5/99W Connector Phase 6: Additions to minimum operable segment - Widen from two lanes to four lanes in corridor	Phase 6: Additions to minimum operable segment - Widen from two lanes to four lanes in corridor.	\$56,500,000
No	10885	Sunrise Project Phase 2 Construction	Construct new highway facility and interchanges SE 122nd Ave with transition to 172nd.	\$247,900,000
Yes	10890	Sunrise Project: Acquire right-of-way: I-205 to SE 172nd Ave	Acquire right-of-way: I-205 to SE 172nd Ave.	\$129,000,000
No	10891	Sunrise Project Phase 2: Conduct preliminary engineering to construct new highway facility and interchanges.	Conduct preliminary engineering to construct new highway facility and interchanges.	\$25,000,000
No	10892	Sunrise Project: Acquire right-of-way for Phase 2: SE 122nd to 172nd	Acquire right-of-way for Phase 2: SE 122nd to Rock Creek Jct.	\$74,000,000
Yes	10894	Sunrise Hwy. PE: I-205 to SE 172nd Ave	Preliminary engineering and EIS from I-205 to 172nd.	\$25,000,000
No	11058	Construct Hogan Corridor Improvements	Construct new freeway to highway connection.	\$ 11,200,000
No	11059	I-205 Corridor Refinement Planning: OR/WA state line to I-5	I-205 refinement planning.	\$ 5,000,000
No	11060	I-205/Airport Way Refinement Planning	I-205/Airport Way refinement planning.	\$ 1,400,000
No	11062	I-5 South Corridor Refinement Plan - Wilsonville to North Tigard	I-5 South Corridor refinement plan - Wilsonville to North Tigard.	\$ 3,000,000
No	11063	North Tigard to I-405 Refinement Plan	North Tigard to I-405 refinement plan.	\$ 4,000,000
No	11064	I-205 Widening: Stafford Road to Willamette River (two phases, not including Abernethy Bridge)	Widen I-205 by one lane in each direction from Willamette River to Stafford Road.	\$ 74,900,000
No	11065	I-205: Abernethy Bridge Widening (Willamette River crossing)	Widen Abernethy Bridge by one lane in each direction.	\$106,400,000
No	11066	I-205: Truck climbing lane	Construct southbound truck climbing lane.	\$ 56,800,000
No	11068	I-5 Auxiliary Lanes: Stafford Interchange to Wilsonville Road	Add auxiliary lane to I-5 southbound between Wilsonville Rd. and Elligsen Rd. Extend Boeckman Rd. overcrossing bridge on both ends.	\$ 8,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
No	11069	I-5/Wilsonville Road Interchange: Phase 2	Reconstruct southbound off-ramp and add southbound auxiliary lane from Wilsonville Rd. to Hubbard cut-off.	\$ 13,300,000
No	11070	I-205/OR 213 Interchange: Stage 5 -I-205 Improvements, OR 99E to Gladstone interchange	Auxiliary lanes/braided ramp enhancements and freeway modifications needed to support I-205/OR 213 interchange improvements.	\$200,800,000
Yes	11071	I-5/Wilsonville Road Interchange: Phase 1	Reconstruct NB and SB on ramps, and NB off ramp. Add NB auxiliary lane from Hubbard cut-off to Wilsonville Rd.	\$ 18,500,000
Yes	11092	Ramsey Rail Yard	Construct up to six yard tracks and one lead track	\$ 13,900,000
Yes	11122	OR 217: Sunset Hwy to TV Hwy	Widen Or 217 and structures	\$37,676,000
Yes	11124	US 26W Cornell to 185th	Widen US 26 to 6 lanes from Cornell to 185th.	\$21,312,000
No	20001	Kenton Rail Line Upgrade	Upgrade existing track to second main track with new double track from N. Portland Jct. to Troutdale and increase track speeds between North Portland Junction and Troutdale on UP's Kenton Line. Part of triangle project with ODOT.	\$25,400,000
No	20002	Valley Sub Double Track	Double track mainline to Clackamas (99E/Hwy 224 corridor)	\$36,000,000
No	20003	Harbor Siding Extension, approximately 2,255 feet.	Extend Harbor siding on Astoria District to 7,200' to accommodate staging of unit grain trains to and from Ethanol plant.	\$2,000,000
No	20004	Install Power Switch on Astoria Line Wye switch	Replace current electric lock on BNSF main one with power operated turnout at Astoria line Wye near Willamette River draw.	\$2,000,000
No	20005	Install Power Switches at Lake Yard	Install one power switch at east entrance to PTRR Lake Yard (MP 1.7). Install up to six power switches on crossovers and entrance switch at west end of PTRR Lake Yard (MP 3.1).	\$5,000,000
No	20006	East Portland connection to Graham Line	Build connection from Brooklyn Sub to Portland Sub (Graham Line) to facilitate direct movement.	\$15,000,000
No	20007	Increased Track Speeds Between UP Willsburg Junction and UP Albina Yard	Remove the 6 mph restriction along this segment to greatly increase capacity and improve both passenger and freight rail velocity and help to move trains in and out of the Albina Yard more quickly.	\$8,800,000
No	20008	Barnes to Terminal 4 Rail	Provide a new track from Barnes Yard to Terminal 4.	\$3,000,000
No	20022	Graham Line Siding	Install two controlled sidings, 10,000' siding near Wood Village and a 10,000' siding near Parkrose, between East	\$7,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			Portland Jct and Troutdale along UPRR's Graham Mainline.	
No	30000	PDX North Runway Extension	Lengthen north runway to accommodate larger planes during closure of south runway for rehabilitation	\$3,500,000
Medium-Low Regional Priority				
Yes	10021	102nd Ave./Industrial Way Improvements	Extend Industrial Way from Mather Road to Lawnfield Road.	\$8,570,000
Yes	10022	SE 82nd Dr. Improvements	Widen to five lanes to accommodate truck movement.	\$12,350,000
No	10023	SE 82nd Dr. Improvements	Widen to five lanes.	\$17,627,801
Yes	10025	Beavercreek Rd. Improvements Phase 2	Widen to 5 lanes with sidewalks and bike lanes.	\$5,800,000
Yes	10026	Beavercreek Rd. Improvements Phase 3	Widen to 4 lanes with sidewalks and bike lanes.	\$12,920,000
Yes	10042	97th realignment	Realign the existing Lawnfield Rd. Road from 98th to 97th, reduce the grade from 18% to 8%.	\$20,650,000
Yes	10052	Mather Rd.	Extend Mather Rd. across railroad to SE 82nd Dr.	\$17,250,000
Yes	10066	92nd/Johnson Creek Blvd. intersection	Add turn lanes on 92nd (northbound left at JCB, and northbound right at Idleman).	\$1,000,000
Yes	10073	Hwy.-212 intersections	Existing Highway 212 remains two lanes with turn pockets from 162nd Ave. to Anderson Road south of limited access parkway. Design elements to be included are sidewalks, bike lanes, and a landscaped buffer.	\$5,970,000
Yes	10078	Hwy. 224	Widen Highway 224 to four lanes with turn pockets at intersections to Carver bridge. The Damascus/Boring Concept Plan identifies Highway 224 as a community bus transit classification.	\$12,150,000
No	10106	224 Thruway/Local Access Preservation	Convert some intersections to R in/R out; add turn pockets.	\$15,000,000
No	10107	Harrison/UPRR grade separation	Grade separate UP mainline from principal E-W arterial.	\$25,000,000
Yes	10132	Boeckman Rd./I-5 Overcrossing Improvements	Widen Boeckman Road bridge over I-5 to 3 lanes. Add bike/pedestrian connections to regional trail system.	\$13,600,000
Yes	10134	SW 65th, Elligsen Rd. and Stafford Rd. Intersection Improvements	Currently there are two intersections with a dangerous grade difference and within 100 ft of one another. Combining them into one or the construction of a round-about will help with safety and navigability concerns.	\$1,000,000
No	10140	Hwy. 213 - Phase 1	Add one SB and NB through lane, bike lanes, and sidewalks.	\$5,000,000
Yes	10141	I-205/Hwy. 213 Interchange Phase 1	Grade separate SB Hwy. 213 at Washington Street and	\$22,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			add a northbound lane to Hwy. 213 from just south of Washington Street to the I-205 on-ramp. Reconstruct I-205 SB off-ramp to Hwy. 213 to provide more storage and enhance freeway operations and safety.	
No	10143	Hwy. 213 Intersection Improvements	Intersection improvements.	\$10,000,000
Yes	10174	Going, N (Interstate - Greeley): ITS	Install needed ITS infrastructure (communication network, new traffic controllers, CCTV cameras, and vehicle /pedestrian detectors). These ITS devices allow us to provide more efficient and safe operation of our traffic signal system.	\$950,024
Yes	10175	Yeon/St. Helens, NW (US 30): ITS	Install needed ITS infrastructure (communication network, new traffic controllers, CCTV cameras, and vehicle /pedestrian detectors). These ITS devices allow us to provide more efficient and safe operation of our traffic signal system.	\$885,499
Yes	10208	MLK O-Xing/Turn Lanes (Columbia-Lombard)	Intersection and signalization improvements with right turn lane.	\$2,228,909
Yes	10210	47th, NE (Columbia - Cornfoot): Roadway & Intersection Improvements	Widen and reconfigure intersections to better facilitate truck turning movements to the cargo area located within the airport area. Project includes sidewalk and bikeway improvements.	\$5,541,678
Yes	10212	Airport Way/122nd, NE: Intersection Improvement	Add northbound left turn lane, modify traffic signal, and reconstruct island.	\$1,100,000
Yes	10214	Lombard, N (Rivergate - to T-6): Multi-modal Improvements	Widen N Lombard to include two travel lanes, a non-continuous center turn land, medians, bike lanes, sidewalks and planting strips.	\$34,517,517
Yes	10217	Lombard at Columbia Slough, N: Overcrossing	Add sidewalk and bike lanes to strengthened bridge.	\$9,767,000
Yes	10218	Burgard-Lombard, N: Street Improvements	From UPRR Bridge to N Columbia Blvd. Widen street to include 2 12-foot travel lanes, continuous left turn lane, bike lanes and sidewalk.	\$24,884,000
Yes	10229	Columbia Blvd./Portland Rd., N: Intersection Improvements	Redesign intersection.	\$1,214,000
No	10241	Clay/MLK Jr, SE: Intersection Improvements	Geometric, signalization and channelization improvements to allow transit and general traffic access to westbound Clay street from southbound MLK.	\$924,000
No	10242	N. Interstate Ave. Ramp	Replacement of the existing N. Interstate to Larrabee flyover ramp with a new structure.	\$14,677,225
No	10244	Kittridge, NW (Bridge at Yeon): Seismic Retrofit	Seismic retrofit.	\$1,000,000

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No	10269	Lombard/St. Louis/Ivanhoe: Multi-modal Improvements	Restripe, construct curb extensions, realign, and signalize as needed to improve pedestrian-bicyclist amenities while not impeding truck movements.	\$1,400,000
No	10302	MLK Jr, N (Columbia Blvd. - CEID): ITS	CCTV at various locations & traffic monitoring stations at Clay and Burnside.	\$705,000
No	10331	Columbia Blvd, N (Bridge at Taft): Seismic Retrofit	Seismic retrofit of bridge.	\$415,800
No	10342	Columbia Blvd, N/NE(I-205 - Burgard): ITS	Communications infrastructure including closed circuit TV cameras, variable message signs for remote monitoring and control of traffic flow for six signals.	\$420,000
Yes	10343	West Hayden Crossing, N	New four-lane bridge between Marine Drive to Hayden Island.	\$99,258,000
Yes	10361	Widen Airport Way West of 82nd	Widen Airport Way from terminal to 82nd Ave.	\$8,588,400
Yes	10362	82nd Ave./Airport Way Grade Separation	Construct grade-separated overcrossing.	\$92,000,000
Yes	10363	SW Quad Access	Provide street access from 33rd Ave. into SW Quad.	\$5,917,500
Yes	10367	CS/PIC Access Improvements	Intersection improvements (installation of stop signs, signalization and/or channelization) at Sandy Blvd/105th Ave, Airport Way/Holman St, Alderwood Rd/Holman St, Alderwood Rd/Cascades Pkwy.	\$1,217,000
Yes	10371	Airport Way Braided Ramps	Construct braided ramps between the I-205 interchange and Mt. Hood Interchange.	\$59,000,000
Yes	10373	Rivergate ITS	Intelligent Transportation System in Rivergate.	\$480,000
Yes	10376	Columbia Blvd. Widening	Widen Columbia Blvd. to five lanes between 60th Ave and 82nd Ave.	\$14,859,000
Yes	10392	Columbia/Cascade River District Projects	Implement findings of traffic management plan.	\$9,200,000
Yes	10395	Replace RR over crossing.	Reconstruct railroad bridge to accommodate wider travel lanes, sidewalks, and bike lanes.	\$7,000,000
Yes	10396	Reconstruct Cornelius Pass Rd.	Reconstruct Cornelius Pass Road including passing lane, safety, and shoulder and drainage improvements.	\$37,000,000
Yes	10401	Reconstruct Marine Dr.	Reconstruct Marine Drive between Intelachen and the frontage roads in Troutdale.	\$14,000,000
Yes	10402	Construct new road north of I-84, Exit 16	Construct new connector between Sandy Blvd. and Marine Dr, linking industrial sites with I-84	\$14,500,000
Yes	10406	Reconstruct Stark St. to arterial standards	Reconstruct road to arterial standards with 1 travel lane in each direction, center turn lane/median, sidewalks	\$1,810,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			and bicycle lanes.	
Yes	10411	Burnside Bridge Rehabilitation	Rehabilitate mechanical system, approach structure, corrosion control, phase 1 and 2 seismic.	\$41,600,000
Yes	10412	Morrison Bridge Rehabilitation	Rehabilitate mechanical system, approach structure, corrosion control, phase 1 seismic.	\$42,000,000
Yes	10413	Hawthorne Bridge Rehabilitation	Rehabilitate mechanical system, approach structure, corrosion control, phase 1 seismic.	\$13,300,000
No	10415	Phase 2 Seismic	Phase 2 seismic on Broadway, Morrison and Hawthorne Bridges.	\$82,000,000
No	10416	Hogan Corridor Improvements	Interim capacity improvements and access controls.	\$19,140,461
No	10417	Hogan Corridor Improvements	Complete study and construct new principal arterial connection.	\$7,507,673
Yes	10430	Orient Dr. Imps.	Upgrades to arterial 4 lane standards.	\$9,000,000
No	10435	I-84 to US 26 Study	Study to id access management, freight, alignment.	\$1,360,590
Yes	10443	Sandy Blvd. Widening	Widens street to 5 lanes w. sidewalks, bikelanes.	\$26,040,578
Yes	10444	181st Ave. Widening	Widens street to three lanes southbound.	\$1,797,270
Yes	10445	181st Ave. Intersection Improvement (181st/Glisan)	Improve Intersection.	\$1,041,867
Yes	10446	181st Ave. Intersection Improvement (181st/Burnside)	Improve Intersection.	\$831,210
Yes	10454	181st Ave. Improvements	Complete boulevard design improvements.	\$11,440,061
Yes	10474	Rugg Rd. Ext.	Construction of new roadway that adds e/w capacity in vicinity Rugg Rd and connects Springwater Industrial area to Highway 26.	\$30,672,208
Yes	10475	Rugg Rd. Ext.	Construction of new roadway that adds e/w capacity in vicinity Rugg Rd and connects Springwater Industrial area to Highway 26.	\$39,329,973
Yes	10478	252nd Ave.	Construction of new street for implementation of Springwater Plan.	\$26,162,462
Yes	10479	252nd Ave.	Construction of new street for implementation of Springwater Plan.	\$9,808,690
Yes	10480	Springwater Road Section 7	Construction of new street for implementation of Springwater Plan.	\$8,008,421
Yes	10490	201st RR Bridge at I-84	Construct new RR bridge to accommodate alternative modes.	\$2,359,125
Yes	10495	181st Ave. at Halsey	add 2nd LT lane to N & S legs, add RT lane to EB WB SB.	\$1,025,038

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
Yes	10496	181st at I-84	Freight mobility improvements subject to refinement study.	\$250,000
Yes	10497	181st at Sandy, at Stark	At Sandy: Northbound right turn, 2nd westbound left turn. Overlap eastbound right turn. At Stark, add 2nd left turn lane on east and west legs.	\$1,884,390
Yes	10498	181st (182nd) at Division/Powell Intersections	At Division: add second westbound left turn lane (TIF P1). At Powell, add northbound and southbound double left turn lanes (TIF P2 and TSP8).At Powell add SB and NB lanes.	\$1,682,670
Yes	10501	Barnes Rd.: Powell Valley to City Limits: only Orient to So. City Limits	Widen road and add improvements.	\$7,135,229
Yes	10503	Burnside at Powell	At Powell: eliminate EB and WB left turn lanes.	\$683,517
Yes	10511	Hogan Rd. at Stark St.	Add right turn lanes on all approaches and second northbound and southbound left turns.	\$1,908,431
Yes	10512	Hogan: Powell to Burnside boulevard improvements plus three intersection improvements	Improve to boulevard standards, and intersection improvements at Burnside, Division and Powell.	\$8,739,328
No	10522	Burnside, Hogan to Powell	Safety improvements and reconstruction.	\$8,807,400
No	10552	Cornell/Cornelius Pass Interchange	Grade separate Cornell at Cornelius Pass	\$21,200,000
Yes	10560	Farmington Rd. Improvements	Widen roadway from 2/3 lanes to 5 lanes with bike lanes and sidewalks.	\$17,676,000
Yes	10568	Tualatin-Sherwood Rd. Improvements	Widen from three to five lanes with bike lanes and sidewalks.	\$49,150,000
Yes	10574	Farmington to 198th Improvements	Widen from two to three lanes with bike lanes and sidewalks.	\$17,326,000
Yes	10587	Cornelius Pass Rd. Improvements	Widen to five lanes with bike lanes and sidewalks	\$59,872,000
Yes	10590	Tonquin Rd. Improvements	Realign and widen to three lanes with bike lanes and sidewalks.	\$28,406,000
Yes	10596	Scholls Ferry Rd. Improvements	Widen to seven lanes with bike lanes and sidewalks.	\$19,749,000
Yes	10597	Evergreen Rd. Improvements	Widen to 5 lanes with bike lanes and sidewalks.	\$11,242,000
Yes	10603	Tualatin-Sherwood Rd. ATMS	Install integrated surveillance and management equipment.	\$1,594,000
Yes	10605	Cornell Rd. ATMS	Install integrated surveillance and management equipment.	\$2,043,000
Yes	10617	Farmington Rd.: Murray Blvd. to Hocken Ave. Safety, turn lanes, bicycle, and pedestrian improvements	Construct turn lanes and intersection improvements; signalize where warranted; add bike lanes and sidewalks in gaps.	\$8,700,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
Yes	10699	Oregon Street	Construct road to 3 lane collector standards.	\$6,712,000
No	10708	T-S Road	Construct road to 5 lane collector standard.	\$1,900,000
No	10710	Cipole	Signalize intersection & realign railroad crossing.	\$5,600,000
Yes	10714	105th Ave/Avery Street	Realign curves, signalize intersection of Avery/105th, sidewalks on 105th from Avery to 108th.	\$5,000,000
Yes	10720	Boones Ferry	Widen to 5 lanes from Tualatin-Sherwood to Ibach.	\$16,500,000
No	10723	ORE 99W	Widen to 6 lanes from Cipole to the Tualatin River.	\$14,400,000
Yes	10755	72nd Ave. Improvements	Widen to 5 lanes with bikeways and sidewalks. Includes bridge replacement.	\$50,964,000
No	10758	Dartmouth Street Extension	3 lane extension; new Highway 217 overcrossing.	\$58,690,500
Yes	10776	HWY 8/HWY 47 Intersection	Turn Lanes, modify traffic signal.	\$3,300,000
No	10787	10th Ave/Cornelius-Schefflin Rd	Improve to urban standard w/in City (sidewalks & bike lanes); widen rural road with shoulder bike lane, reconstruct Council Creek Bridge.	\$9,000,000
No	10790	10th Ave	Signalize intersection.	\$300,000
Yes	10795	Holladay St Extension	Construct new collector.	\$2,500,000
Yes	10796	Holladay St Extension	Construct new collector.	\$1,300,000
Yes	10797	Holladay St Extension	Construct new collector.	\$1,300,000
Yes	10803	TV Hwy	Interconnect OR 8 signal system in Cornelius.	\$450,000
Yes	10814	Evergreen Rd	Widen to 5 lanes with bike lanes and sidewalks.	\$4,000,000
Yes	10816	TV Hwy. Signal Coordination	Interconnect traffic signals.	\$2,350,000
Yes	10824	Cornell Rd	Improve to 5 lanes with bike lanes and sidewalks.	\$9,248,000
Yes	10831	Century Blvd	Extend 2/3 lanes with US 26 Overpass, connect existing segments.	\$12,920,000
Yes	10836	Evergreen Rd	Widen to 5 lanes with bike lanes and sidewalks.	\$5,440,000
Yes	10846	TV Hwy.	Expand to 7 lanes with bike/sidewalks.	\$42,000,000
Yes	10852	95th Ave/Boones Ferry Rd/Commerce Circle Intersection Improvements	Provide dual left-turn and right-turn lanes, improve signal synchronization, access management measures,	\$2,500,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
			fix sight-distance problems, and add extra lanes.	
Yes	10853	Kinsman Rd Extension from Ridder Rd to Day St	Extend 3 lanes with sidewalks and bike lanes.	\$6,500,000
Yes	10863	Convert Marine Dr. one-way southbound to two-way under I-84 and widen to five lanes.	Convert Marine Drive one-way southbound to two-way under I-84 and widen to five lanes.	\$20,400,000
Yes	10864	New interchange on US 26 to serve industrial area.	New interchange on US 26 to serve industrial area.	\$29,500,000
No	10868	Grade separate southbound OR 213 at Washington Street and add a northbound lane to OR 213 from just south of Washington Street to the I-205 on-ramp.	Convert existing OR 213 at Washington Street intersection to right-in/right-out only. Realign Clackamas River Drive under OR 213 to intersect with Washington St. New signalized intersection on Clackamas River Drive with OR 213 connector. New stop sign controlled intersection on Washington St at realigned Clackamas River Dr. Extend the bridge over the railroad by 100' to the south over realigned Clackamas River Dr.	\$16,000,000
Yes	10871	Marine Dr. extension (Backage road), from I-84 EB off-ramp to 257th Dr.	Marine Drive extension (Backage road), from I-84 EB off-ramp to 257th Drive.	\$8,200,000
Yes	10873	US 26W: Widen highway to 6 lanes	Widen highway to 6 lanes.	\$36,119,034
No	11057	I-84/US 26 Connector R-O-W Preservation	Obtain right-of-way.	\$ 20,700,000
No	11061	I-84 to US 26 Corridor Refinement	I-84 to US 26 Corridor refinement.	\$ 1,300,000
No	11067	I-205/OR 213 Interchange: Stage 1: Southbound flyover ramp to OR 213	Construct southbound I-205 flyover ramp to OR 213.	\$ 49,102,000
No	11072	I-205/OR 213 Interchange: Stage 3 - NB Washington grade separation segment	Build new northbound OR 213 ramp to I-205 starting at Redlands and merging into I-205 northbound. Grade separate new ramp over Washington. Rebuild Washington St. to five lanes with two traffic signals.	\$ 26,000,000
No	11073	I-205/OR 213 Interchange: Stage 6 - Redland Road Interchange	Construct interchange on OR 213 at Redland Rd. Widen OR 213 Bridge over Redland Rd. Lengthen Redland.	\$ 72,000,000
Yes	11125	US 26E Springwater at grade intersection	Construct at grade intersection connecting Springwater area to US 26	\$6,700,000
No	20009	Barnes Yard to Bonneville Yard Trackage	Construct additional unit train trackage (approximately 16,000 linear feet) between Bonneville and Barnes rail yards.	\$11,000,000
No	20015	South Rivergate Rail Yard Expansion Phase I	Construct a second lead and two storage tracks in South Rivergate Yard.	\$8,800,000
No	20016	St. Johns Lead Expansion	Add two additional tracks within existing ROW	\$3,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
No	20017	Terminal 6 A+B Yard	Connect A and B Yard at Terminal 6	\$2,900,000
No	20018	West Hayden Island Rail Access	Rail access to support West Hayden Island development.	\$3,000,000
No	20019	West Hayden Island Rail Yard	Seven-track rail yard connected to facility trackage.	\$9,500,000
No	20021	Cornelius Pass Tunnel	Rehabilitate & improve capacity through this 4103 foot long tunnel by improving clearance	TBD
No	20023	Second Slough Lead	Provides a new rail/highway bridge over the Columbia Slough	TBD
No	20024	T6 Internal Overcrossing	Construct second gate to provide secondary access to T6. Construct an elevated roadway between Marine Drive and T6	\$6,000,000
No	30001	PDX South Runway Rehabilitation	Repair pavement and joints on existing runway	\$15,000,000
No	30002	PDX North Runway Rehabilitation	Periodic rehabilitation of north runway	\$11,200,000
Low Regional Priority				
Yes	10074	New Connection	Rock Creek junction interchange to 172nd Ave through Rock Creek industrial area.	\$19,800,000
Yes	10130	Kinsman Rd. Extension from Barber St. to Boeckman Rd.	Extend 3 lanes with sidewalks and bike lanes.	\$5,750,000
No	10156	Boeckman Rd. at Boeckman Creek	Widen Boeckman Road to 3 lanes with bike lanes, sidewalks and connections to regional trail system, remove culvert and install bridge.	\$5,800,000
Yes	10209	92nd Dr. (Columbia Slough to Alderwood)	Improve NE 92nd Drive from Columbia Slough to Alderwood Rd.	\$2,406,547
No	10236	Water Ave., SE (Caruthers - Division Pl): Street Extension Phase II	Provide new roadway connection with sidewalks, bike lanes, landscaping, access to Willamette Greenway, & reconstruction of existing roadway.	\$288,750
No	10246	7th/8th Ave., SE: New Street Connection	Construct new street connection from SE 7th to 8th Ave. at Division Street.	\$577,500
Yes	10477	Springwater Road Section 4	Construction of new street for implementation of Springwater Plan.	\$13,148,679
Yes	10481	Springwater Road Section 8	Construction of new street for implementation of Springwater Plan.	\$5,519,551
Yes	10482	Springwater Road Section 9	Construction of new street for implementation of Springwater Plan.	\$8,008,421
Yes	10483	Springwater Road Section 10	Construction of new street for implementation of Springwater Plan.	\$12,202,421

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
Yes	10484	Springwater Road Section 11	Construction of new street for implementation of Springwater Plan.	\$21,031,280
No	10492	162nd RR bridge@I-84	Reconstruct RR bridge to accommodate alternative modes.	\$2,621,250
Yes	10499	192nd Ave. Wilkes to Halsey	Improve to collector street standards.	\$3,833,031
No	10515	Riverside Dr. ext. to Sandy Blvd	Extend collector from 190th to Sandy to improve industrial access.	\$10,975,110
Yes	10516	San Rafael, 181st to 201st	Complete collector and remove frontage road.	\$9,990,952
Yes	10518	Wilkes St., 181st to 192nd	Improve Wilkes to collector standards and provide slip ramp connection from Eastbound I-84 on ramp.	\$6,781,698
No	10520	184th Ave., Wilkes to San Rafael	Construct new collector street.	\$7,353,375
No	10524	Cleveland Ave., Glisan to Stark	Construct new collector street.	\$15,277,585
No	10525	Clyde, Glisan to Stark	Construct new collector street.	\$16,277,585
No	10557	Murray/TV Hwy. Intersection	Grade-separate the intersections of TV Hwy. and Farmington with Murray Blvd.	\$25,000,000
No	10711	Teton	Signalize intersection.	\$307,000
No	10713	Leveton	Extension.	\$9,070,000
Yes	10715	Herman	Reconstruct and widen to 3 lanes from Teton to Tualatin.	\$2,500,000
Yes	10716	Myslony	Reconstruct/widen from 112th to 124th to fill system.	\$9,400,000
No	10717	Cipole	Reconstruct/widen to 3 lanes from 99W to Tualatin-Sherwood Road.	\$13,000,000
Yes	10718	Herman	Reconstruction from Cipole to 124th.	\$4,100,000
No	10719	Leveton Ind. Area	Widen Leveton Drive to 5 lanes, signalize the 108th/Leveton intersection, and signalize 108th/Tualatin intersection.	\$10,400,000
Yes	10730	E-W connection	Construct new street.	\$18,200,000
Yes	10735	Herman	Widen to 5 lanes from 108th to Teton.	\$1,250,000
Yes	10736	124th Ave	Construct new street from Tualatin-Sherwood to Tonquin Rd - 5 lanes.	\$82,500,000
Yes	10774	23rd/24th	Construct collector level roadway between Hawthorne Ave. and Quince Street.	\$15,000,000
No	10780	Hwy 47 Intersection Improvements	Add traffic signal.	\$1,000,000

Fed RTP Status	Metro ID	Project/Program Name	Description	Estimated Cost (\$2007)
No	10793	19th Ave	Signalize intersection.	\$300,000
Yes	10815	Cornell Rd Signal Coordination	Interconnect Traffic Signals (Extends County ATMS).	\$1,000,000
Yes	10821	Huffman	Build 3 lanes with bike lanes and sidewalks.	\$9,282,000
Yes	10822	253rd	Build 3 lanes with bike lanes and sidewalks.	\$6,162,000
No	20020	Banks Connection	Provides a head-on connection at Wilkesboro (east of Banks) between the Tillamook Branch and the United Railways Line over Cornelius Pass	\$4,000,000
Other				
Yes	10377	PSU ITS Expansion, incl. freight data repository	Expand PSU's existing web based ITS "count sensor" program beyond the freeway to some key arterials throughout the region. Create a repository of freight data (primarily truck data) from the region's Freight Data Collection project.	\$0