

# Appendix A

## Investment Strategy

This appendix contains a capital Investment Strategy for the Bureau of Environmental Services, Portland Water Bureau, and Bureau of Transportation. The projects and programs included in the Investment Strategy are intended to maintain existing assets, comply with regulatory mandates, and provide key levels of service to existing and future residents and businesses. More information on how each Bureau's draft Investment Strategy was developed can be found in the relevant chapter of this Plan.

As part of the update to the Comprehensive Plan and to meet public facility planning requirements, the City must also adopt a List of Significant Projects. The List of Significant Projects is intended as a long-term plan for meeting the infrastructure needs of residential and employment growth allowed and planned for by a city's land use designations. The List of Significant Projects includes a subset of projects included in the Citywide System Plan's Investment Strategy. The List of Significant Projects for transportation, water, sewer and stormwater is included as a separate component of the Comprehensive Plan.

### **Project Maps**

Explore interactive maps of the infrastructure projects included in Appendix A through the online **Comprehensive Plan Map App** at <http://www.portlandoregon.gov/bps/mapapp/>



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## Bureau of Environmental Services

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The Bureau of Environmental Services (BES) project list is based on existing system plans and includes programs for treatment plant upgrades for capacity and regulatory compliance; programs for maintenance of the treatment plants, pump stations, collection system pipes; pipe capacity projects by sanitary and combined sewer basins; watershed programs for each of the major watersheds; a stormwater program area to address system connectivity and water quality; and a sanitary sewer extension program.

The Bureau focuses efforts on comprehensive, multi-purpose solutions in the highest priority areas for work in all four program areas of the Investment Strategy. The Bureau anticipates approximately \$2 billion in investment in these programs over the next twenty years. The list assumes that rates are set at a level that is sufficient to meet agreed upon levels of service.

For more information on how this Investment Strategy was developed, please see Chapter 6. Bureau of Environmental Services.



Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total FY 2013-33	Funding Source	Facility Provider (Partner)
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
<b>Sewage Treatment</b>																	
Map SS-1 E10245	CBWTP Improvements	This program includes a number of mid-size improvements at the Columbia Boulevard Wastewater Treatment Plant. CBWTP such as: Seismic Improvements, Outfall Diffuser Extension, Access / Egress Improvements, Bio-Solids Dryer, Dewatered Sludge Hopper, TWAS Piping Upgrade, Centrifuge. Also includes expansion to Secondary Treatment, if required. All are consistent with the Facilities Plan and the Conditional Use Master Plan.	Columbia Blvd Wastewater Treatment Plant	All	Efficiency & Expansion	Population growth/regulations	10,950,000	4,325,000	11,513,000	10,540,000	8,516,000	45,844,000	45,964,000	80,000,000	171,808,000	Bonds	BES
Map SS-2 E10234	TCWTP Improvements	Improvements, as identified in the updated facilities plan. Anticipated projects include property acquisition, new headworks/screenhouse, upgrades to the primary clarifier, and construction of an additional secondary clarifier.	Tryon Creek Wastewater Treatment Plant	SW	Efficiency & Expansion	Population growth/regulations	216,000	210,000	3,000,000	3,500,000	9,000,000	15,926,000	30,000,000	10,000,000	55,926,000	Bonds	BES
Map SS-3 E04661	Pump Station Improvement Program	Program to refurbish or upgrade pump stations not in compliance with current codes, not operating reliably, need improvements because of growth in the receiving sewage basin, and/or are over 20 years old with out-of-date equipment. The Pump Station Improvement Plan guides the selection of projects. This program was developed to ensure the 97 pump stations are maintained in accordance with a scheduled plan to increase pump station reliability. Program will also address the 57 miles of force mains.	Citywide	All	Maintenance & Efficiency	Level of Service	13,810,000	12,091,000	4,000,000	4,000,000	4,000,000	37,901,000	30,000,000	65,000,000	132,901,000	Bonds	BES
Map n/a E04891	Rehab, Repair, and Modifications	This project provides for annual reinvestment in the treatment facilities to protect capital investment and enhance system reliability. It provides best management practice to prevent probable violations of NPDES permit. The aging Columbia and Tryon Creek plants require regular investment. Projects include equipment replacement, capacity upgrades, and restoration of a facility to its original condition and renewal of useful life for more than 10 years, and regulatory mandates.	Columbia Blvd and Tryon Creek Wastewater Treatment Plants	All	Maintenance & Efficiency	Level of Service	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	15,000,000	30,000,000	55,000,000	Bonds	BES
<b>Maintenance &amp; Reliability</b>																	
n/a	Sewage Pipe Rehabilitation	Based on regular inspection, this program rehabilitates the highest risk pipes.	Citywide	All	Maintenance	Level of Service	49,895,000	51,869,000	42,924,000	31,285,000	19,583,000	195,556,000	160,000,000	300,000,000	655,556,000	Bonds	BES
n/a	Sewer Capacity Upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized based on risk and benefit/cost. Work may also include high priority pipe rehabilitation. Work will occur in small areas within the combined sewer system that are not addressed by basin specific projects.	Citywide	All	Maintenance	Level of Service	0	0	0	0	0	0	0	50,000,000	50,000,000	Bonds	BES
Map SS-4	Holladay/Stark/Sullivan - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized based on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Between Fremont & Stark to NE 24th. South of I-84 to I-205	NE/SE	Capacity	Level of Service	500,000	1,000,000	3,000,000	3,000,000	3,200,000	10,700,000	12,000,000	12,000,000	34,700,000	Bonds	BES
Map SS-5	Beech/Essex - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized based on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Willamette River east to Grand b/w Knott and Alberta.	NE	Capacity	Level of Service	0	100,000	900,000	4,500,000	4,000,000	9,500,000	9,000,000	0	18,500,000	Bonds	BES
Map SS-6	Oak - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized based on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Willamette River to NE 24th, b/w Irving and Stark.	NE/SE	Capacity	Level of Service	2,000,000	100,000	0	0	500,000	2,600,000	20,000,000	0	22,600,000	Bonds	BES
Map SS-7	Taggart/Insley - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized based on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Willamette River to NE 60th; Stark to south city limit	SE	Capacity	Level of Service	7,700,000	6,200,000	2,200,000	900,000	3,800,000	20,800,000	30,000,000	10,000,000	60,800,000	Bonds	BES

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							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
Map SS-8	Wheeler - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized base on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Willamette River, Grand, Prescott, 24th, Hancock	NE	Capacity	Level of Service	400,000	1,300,000	4,300,000	4,300,000	0	10,300,000	0	0	10,300,000	Bonds	BES
Map SS-9	Lloyd District - capacity upgrades	Based on the Systems Plan and extensive redevelopment activity, program adds capacity by creating a separated stormwater system and/or upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized base on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Lloyd District	NE	Capacity	Level of Service	0	500,000	1,500,000	1,500,000	5,000,000	8,500,000	10,000,000	0	18,500,000	Bonds	BES
Map: SS-10	Alder - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized base on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Willamette River to SE 42nd bw Stark & Hawthorne; inc. Ladds Addition	SE	Capacity	Level of Service	0	100,000	1,600,000	5,200,000	11,600,000	18,500,000	22,500,000	0	41,000,000	Bonds	BES
Map: SS-11	NE 13th Ave Basin - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized base on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	Vancouver, Columbia Blvd, NE 42nd, Prescott	NE	Capacity	Level of Service	500,000	1,300,000	1,400,000	5,000,000	8,000,000	16,200,000	1,200,000	0	17,400,000	Bonds	BES
Map: SS-12	Northwest Neighborhoods - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized base on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	NW inc. hills to ridgeline, excluding downtown	NW	Capacity	Level of Service	2,700,000	2,100,000	1,300,000	3,400,000	3,500,000	13,000,000	23,000,000	5,000,000	41,000,000	Bonds	BES
Map: SS-13	North Portland - capacity upgrades	Based on the Systems Plan, program adds capacity by upsizing pipes and/or adding surface infiltration facilities. Projects are prioritized base on risk and benefit/cost. Work also includes high priority pipe rehabilitation, if located within the project area.	West of Peninsular Ave.	N	Capacity	Level of Service	0	0	0	0	0	0	0	5,000,000	5,000,000	Bonds	BES
Map: SS-14 E10034 E10035 E10474	Sanitary Sewer Collection system capacity (Infiltration & Inflow)	A series of projects are proposed to address infiltration and inflow in the sanitary sewer system in SW Portland. Projects typically involve rehabilitation of main lines and laterals and disconnecting storm inlets from the sanitary sewer.	SW	SW	Capacity	Level of Service / Regulatory mandate	2,425,000	1,955,000	4,695,000	7,015,000	7,150,000	23,240,000	18,100,000	15,000,000	56,340,000	Bonds	BES
<b>Surface Water Management</b>																	
Map SM-1 E10040	Johnson Creek Willing Seller Ph. 2	Based on the Johnson Creek Restoration Plan, acquisition of land in four target areas for floodplain restoration. Properties are purchased at fair market value and used to implement restoration projects detailed in other capital projects on list.	Johnson Creek Target Areas	SE	Flood management, water quality, habitat	Level of Service	500,000	500,000	500,000	500,000	500,000	2,500,000	2,500,000	5,000,000	10,000,000	Bonds	BES
Map SM-2 E06941	West Lents Flood Mitigation	Based on the Johnson Creek Restoration Plan, restore floodplain and wetland function in the West Lents target area for flood storage and water quality, stabilize stream banks to protect nearby homes, businesses and downstream sewer infrastructure, and restore habitat. Projects address TMDL requirements, ESA plans and other regulations.	West Lents target area	SE	Flood management, water quality, habitat	Level of Service, regulatory	0	0	300,000	545,000	2,757,000	3,602,000	2,815,000	0	6,417,000	Bonds	BES
Map SM-3 E07383 E08382	East Lents Area Flood projects	Based on the Johnson Creek Restoration Plan, restore floodplain and wetland function in the East Lents target area for flood storage and water quality, stabilize stream banks to protect nearby homes, businesses and downstream sewer infrastructure, and restore habitat. Projects address TMDL requirements, ESA plans and other regulations.	East Lents target area	SE	Flood management, water quality, habitat	Level of Service, regulatory	70,000	70,000	1,800,000	2,300,000	1,000,000	5,240,000	3,000,000	0	8,240,000	Bonds	BES

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							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
Map SM-4 E08406 E08247 E07158	Other Johnson Creek Target Area Floodplain Projects	Based on the Johnson Creek Restoration Plan, restore floodplain and wetland function in the Tideman Johnson and Powell Butte target areas, and smaller target areas, in partnership with creek-side property owners for flood storage and water quality. Stabilize stream banks to protect nearby homes, businesses and downstream sewer infrastructure, and restore habitat. Projects address TMDL requirements, ESA plans and other regulations.	Tideman and Powell Butte Target areas plus CRP	SE	Flood management, water quality, habitat	Level of Service, regulatory	806,000	1,506,000	1,306,000	1,427,000	0	5,045,000	0	0	5,045,000	Bonds	BES
Map SM-5 E07466 E06947	Johnson Creek Restoration Program Projects	Priority projects along the main stem and tributaries of Johnson Creek to mitigate flooding, improve water quality and wildlife habitat, address stormwater outfalls and culverts, and sanitary sewer protection. Includes restoration of floodplain and wetlands, construction of stream enhancements, and partnership projects with other agencies to meet the objectives of the 2001 Johnson Creek Restoration Plan. Projects address TMDL requirements, ESA plans and other regulations.	Johnson Creek Watershed, various	SE	Flood management, maintenance, water quality, habitat	Level of Service, regulatory	500,000	3,000,000	650,000	875,000	0	5,025,000	2,000,000	2,000,000	9,025,000	Bonds	BES
Map SM-6 E10563 E05564	Columbia Slough Outfalls	Design and construction of pollution control facilities for separated stormwater areas flowing through 220-city owned outfalls to the Columbia Slough to address DEQ Sediment Order. Program prioritizes outfalls draining Columbia Boulevard and other high traffic City roadways.	Columbia Boulevard area	N/NE	Water quality	Regulatory	150,000	100,000	1,000,000	1,000,000	2,000,000	4,250,000	10,000,000	0	14,250,000	Bonds	BES
Map SM-7 E10377 E07177 E10176	Columbia Slough Restoration Projects	Culvert replacement, water quality facilities and wetland and habitat restoration and enhancement to improve water quality, habitat and hydrology. Projects address TMDL requirements, infrastructure deficiencies, ESA plans and other regulations and may include partnership with other agencies. Includes in-stream restoration as well as stormwater system improvements.	Columbia Slough Watershed, various	N/NE	Water quality, hydrology, maintenance, habitat	Level of Service, Regulatory	5,152,000	1,144,000	0	500,000	325,000	7,121,000	2,000,000	2,000,000	11,121,000	Bonds	BES
Map SM-8 E08676 E08675 E08677	Fanno Creek Stormwater System Improvements	Projects to address TMDLs, recommended by the Fanno/Tryon TMDL predesign. 1-5 year projects include stormwater retrofits along the Beaverton-Hillsdale Highway, addressing deficient stormwater outfalls, and other stormwater system improvements.	Fanno Watershed: Beaverton-Hillsdale corridor and various	SW	Water quality, capacity, conveyance	Level of Service, Regulatory	551,000	1,616,000	533,000	0	0	2,700,000	0	0	2,700,000	Bonds	
Map SM-9 E08679 E08687	Tryon Creek Stormwater System Improvements	Projects to address TMDLs, recommended by the Fanno/Tryon TMDL predesign. 1-5 year projects include stormwater retrofits along the I-5 and Barbur Blvd. corridors, addressing deficient stormwater outfalls, and other stormwater system improvements.	Tryon Watershed: I-5/Barbur area, and various	SW	Water quality, capacity, conveyance	Level of Service, Regulatory	2,000,000	100,000	35,000	270,000	270,000	2,675,000	0	0	2,675,000	Bonds	
Map SM-10 E10373 E10131	Fanno/Tryon Drainage Shoulder Improvements	Drainage improvements for high priority City maintained roadside ditches along arterials in the Fanno and Tryon watersheds. Projects address water quality, as recommended by Fanno/Tryon TMDL predesign. Includes SW Hamilton and SW Stephenson and future projects.	Fanno and Tryon Creeks watersheds (various)	SW	Water quality, capacity, conveyance	Level of Service, Regulatory	100,000	463,000	1,448,000	1,195,000	1,195,000	4,401,000	1,000,000	0	5,401,000	Bonds	
Map SM-11 E08682 E08680 E09105	Fanno/Tryon Restoration Projects	In-stream restoration and improvements to address water quality, hydrology and habitat, including TMDL requirements, ESA plans and other regulations. Includes culvert replacement, stream daylighting, sanitary sewer protection and other restoration in both the Fanno and Tryon creek watersheds. Projects recommended by the Fanno/Tryon TMDL predesign and watershed plans.	Fanno and Tryon Creeks watersheds, various	SW	Water quality, hydrology, maintenance, habitat	Level of Service, Regulatory	231,000	250,000	1,602,000	1,179,000	295,000	3,557,000	2,000,000	2,000,000	7,557,000	Bonds	
Map SM-12 E10498	Willamette River Restoration Projects	Projects to improve water quality, habitat and hydrology along the main stem river and tributaries (subwatersheds) to address TMDL requirements, ESA plans and other regulations. Includes in-stream and floodplain restoration and enhancement.	Willamette River Watershed	All	Water quality, hydrology, habitat	Level of Service, regulatory	0	0	800,000	3,400,000	3,400,000	7,600,000	5,000,000	5,000,000	17,600,000	Bonds	
Map SM-13 E10488	Stephens Creek Stormwater System Improvements	Address stormwater issues in the Stephens Creek subwatershed, including unmanaged stormwater discharge, pollution reduction and detention facilities, restoration of riparian and wetland functions, erosion and sediment loading at outfalls.	Stephens Creek Subwatershed	SW	Capacity, conveyance, water quality, habitat	Level of Service, regulatory	965,000	1,162,000	996,000	800,000	200,000	4,123,000	10,200,000	0	14,323,000	Bonds	BES

Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total FY 2013-33	Funding Source	Facility Provider (Partner)
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
n/a	Stormwater Management Program Implementation	Improvements to the stormwater management system resulting from Stormwater System Planning. Areas of particular concern include parts of SW (in addition to Stephens Creek), outer east, and the Columbia Slough. Specific improvements have not been identified as of FY14.	Various/ Citywide	City	Capacity, conveyance, water quality, habitat	Level of Service, regulatory	0	0	0	300,000	1,000,000	1,300,000	15,000,000	40,000,000	56,300,000	Bonds	BES
Map n/a E08967 E10372	Culvert Replacement Program	Replace or improve stream culverts citywide to improve fish passage and water quality, and address flooding and maintenance needs. Includes completion of culvert replacements on Crystal Springs Creek and other priority projects to address ESA plans and other system needs.	Various/ Citywide	City	Habitat, flooding, water quality, maintenance	Level of Service, regulatory	1,364,000	1,507,000	1,431,000	0	0	4,302,000	5,000,000	5,000,000	14,302,000	Bonds	BES
Map: n/a E08905 E10486	Watershed Land Acquisition Ph. 1 & 2	Program targets acquisition of medium to high functioning natural resource lands in support of watershed health and stormwater management.	Various/ Citywide	City	Water quality, habitat, hydrology	Level of Service, regulatory	2,000,000	2,000,000	2,500,000	1,500,000	2,000,000	10,000,000	6,000,000	0	16,000,000	Bonds	BES
<b>Systems Development</b>																	
Map: n/a	Sewer Extensions	Sewer extensions are proposed to relieve septic systems at risk of failure, to correct party sewer situations, and to provide service where development will be occurring soon and service is currently not available.	Various	City	Replacement, Efficiency	Level of Service	6,776,000	3,594,000	4,017,000	4,725,000	4,350,000	23,462,000	20,000,000	40,000,000	83,462,000	Bonds	BES
<b>Total All Projects</b>							114,261,000	102,162,000	103,250,000	106,656,000	109,141,000	535,470,000	513,279,000	683,000,000	<b>1,731,749,000</b>		



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## Portland Water Bureau

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The Portland Water Bureau (PWB) project list is based on existing system plans and includes projects and programs to address longer term infrastructure replacement and maintenance needs, while addressing short-term water system infrastructure needs to ensure compliance with drinking water regulations. The project list focuses on regulatory compliance, improving the condition of aging infrastructure, and addressing operations and maintenance needs.

The Bureau anticipates approximately \$1.6 billion in investment in these projects and programs over the next twenty years. The list assumes that rates are set at a level that is sufficient to meet agreed upon levels of service.

For more information on how this Investment Strategy was developed, please see Chapter 7. Portland Water Bureau.



Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total FY 2013-33	Funding Source	Facility Provider
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
<b>Customer Service</b>																	
n/a	Automated Meter Reading (AMR) Implementation	This project provides for the installation of automatic water meter reading equipment throughout the City.	Various	All	Efficiency	Service Level	0	0	0	0	0	0	45,000,000	0	45,000,000	Bonds	PWB
n/a	Dodge Park	Improvements will continue to address security and visitor amenities at the site, trespass/hazard warning signs, alternative park management arrangements, and visitor management. The bureau is committed to improving the maintenance of the park including preservation of existing infrastructure, repairs, replacements and upgrades. New uses for the park include an amphitheater, camping, training area, facility upgrade to the existing building, and special needs assistance for using the park amenities.	Dodge Park	E	Expansion	Service Level	0	0	0	0	0	0	400,000	800,000	1,200,000	Bonds	PWB
Map W-1 W01401	Emergency Coordination Center	This project designs and constructs the City's Emergency Coordination Center. The bureau will locate its emergency response and security staff at the location. The project location is adjacent to the City's 911 Call Center at SE 99th Ave and Powell Blvd. The total project cost is \$19.85M and PWB is a contributing bureau.	Emer. Coord. Center (SE 99th and Powell)	E	Maintenance	Service Level	1,807,000	0	0	0	0	1,807,000	0	0	1,807,000	Bonds	PWB (POEM)
Map: n/a WBCSSE	Security and Emergency Management	The bureau is committed to increasing flexibility and preparedness to meet future security challenges, to enhance security throughout the water system and to modernize security practices and infrastructure. Projects funded by this budget will include physical security improvements to major and smaller facilities as well as improved security in the overall water distribution system and control/communications system.	Various	All	Maintenance	Service Level	0	0	250,000	500,000	500,000	1,250,000	2,500,000	5,000,000	8,750,000	Bonds	PWB (BTS)
<b>Distribution</b>																	
Map W-2 W01632	Bertha Service Area Improvements	This project will connect the Bertha 962 pressure zone with the 937 pressure zone with new 8-inch and 4-inch main and a new regulator. This work will allow for the abandonment of the existing main that passes through steep, unimproved right-of-way while maintaining an adequate level of service to the Bertha Service Area.	Bertha Service Area	SW	Replacement Efficiency	Service Level	430,000	426,000	0	0	0	856,000	0	0	856,000	Bonds	PWB
Map W-3	Burnside Pump Station Replacement	This project will decommission the old undersized pump station and modify the nearby Verde Vista pump station to serve the Burnside pumping needs for the next 50 years. The project will also acquire property for the future Burnside pump station to be built 50 years from now.	Burnside Pump Station	NW	Maintenance	Service Level	0	0	0	0	0	0	2,000,000	0	2,000,000	Bonds	PWB
Map W-4 W01674	Carolina Pump Main Extension, Phase II	This project will connect the existing Carolina Pump Main (Westwood Tanks) and the Fulton Pump Main (Burlingame Tanks) together. This will be a pump main from the intersection of SW Capital Hwy and SW Terwilliger Blvd to the Burlingame Tank site.	SW Capitol Hwy – SW Terwilliger	SW	Expansion	Service Level	690,000	2,494,000	0	0	0	3,184,000	0	0	3,184,000	Bonds	PWB
Map: n/a WBDIDM	Distribution Mains	This program includes rehabilitation and replacement of substandard mains, expansion due to applications from private developers, increasing supply for fire protection, improving water quality and water system upgrades due to local improvement districts (LIDs), and street improvements. Water main replacements also include appurtenances such as fire hydrants, valves, pressure regulators, service branches, and other facilities.	Various	All	Replacement	Service Level	11,717,000	13,911,000	15,875,000	16,775,000	17,460,000	75,738,000	75,000,000	150,000,000	300,738,000	Bonds	PWB
Map W-5 W01652	Division Street Piping	This project will design and construct improvements located in the ROW for the Tabor Reservoir Adjustments project. Improvements will be made to the distribution and transmission systems as well as to Conduits 2 and 3 in SE Division St.	SE Division St	SE	Replacement	Service Level	1,480,000	200,000	0	0	0	1,680,000	0	0	1,680,000	Bonds	PWB

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Map n/a WBDIFS	Field Support	This project funds vehicles and major equipment purchases, including heavy construction equipment such as dump trucks and backhoes, and Bureau owned computer software with a unit cost greater than \$5000.	Various	All	Replacement Efficiency	Service Level	3,755,600	3,501,500	3,388,900	3,460,138	3,459,338	17,565,476	17,500,000	35,000,000	70,065,476	Bonds	PWB
Map W-6 W01359	Forest Park Low Tank	This project will plan, design and construct a single 1.3 million gallon AWWA D110 type 1 tank. This storage is to augment regular system capacity and increase fire flow.	Forest Park Low Tank	NW	Growth	Service Level	2,210,000	0	0	0	0	2,210,000	0	0	2,210,000	Bonds	PWB
Map: n/a WBDIFO	Fountains	The bureau has responsibility for 27 decorative fountains, including repairs, replacements and upgrades. Funding includes provisions for repair of drain lines and valves, replacement of liners, repair and replacement of electrical equipment and lighting systems, repair and replacement of pumps, addition of telemetry, and various improvements to exterior surfaces.	Various/ Citywide	All	Maintenance	Service Level	150,000	150,000	150,000	150,000	150,000	750,000	750,000	1,500,000	3,000,000	Bonds	PWB (PP&R, RACC)
Map W-7 W01358	Fulton Pump Station	This project will replace the Fulton Pump Station with a new pump station located in Willamette Park.	Fulton Pump Station	SW	Replacement Efficiency	Service Level	2,220,000	6,740,000	100,000	0	0	9,060,000	0	0	9,060,000	Bonds	PWB (PPR)
Map W-8	Greenleaf Pump Station	This project will plan, design and construct a replacement Greenleaf pump station at the existing site. Flow upgrades will remove the Penridge tank from the system. The new pump station will pump directly to the distribution system.	Greenleaf Pump Station	NW	Replacement Efficiency	Service Level	0	0	0	0	0	0	3,500,000	0	3,500,000	Bonds	PWB (PPR)
Map: n/a WBDIHY	Hydrants	The bureau maintains about 16,000 fire hydrants. These hydrants allow Portland the flexibility and preparedness to meet the challenge of a fire emergency through coordination with the Fire Bureau. This project provides for the replacement of fire hydrants that are no longer repairable. Replacements may also occur as part of the bureau's ongoing efforts to standardize hydrant types for more efficient and effective management of maintenance and repair activities.	Various/ Citywide	All	Replacement Efficiency	Service Level	1,100,000	1,200,000	1,200,000	1,200,000	1,200,000	5,900,000	6,000,000	12,000,000	23,900,000	Bonds	PWB (PFB)
Map W-9 W01400	Interstate Facility Renovation	The bureau's System Control Center and Operations and Maintenance Facility, located on North Interstate Avenue, serves as the hub for maintenance and construction crews, vehicles, equipment and materials, and the emergency operations center. This project consists of a comprehensive plan of reconstruction and improvements that will address seismic and other site vulnerabilities, and bring the facility up to current safety and building codes.	Interstate Facility (NE Interstate)	All	Efficiency; Maintenance	Service Level	12,377,000	16,248,390	6,138,422	560,000	0	35,323,812	0	0	35,323,812	Bonds	PWB (OMF)
Map: W-10 W01348	Portland-Milwaukie Light Rail Project	This project consists of planning, design and construction for relocation of over 5,000 feet of main required for the Portland-Milwaukie Light Rail project. PWB Construction crews and Construction Management Team will assist during the construction phase of the project.	PMLR alignment, SW/SE	SW, SE	Replacement	Service Level	1,100,000	0	0	0	0	1,100,000	0	0	1,100,000	Bonds	PWB (PBOT, TriMet)
Map: n/a WBDIME	Meters	This project funds the purchase and installation of water meters. The Bureau objective is to maintain meter accuracy to within 3% of actual values.	Various/ Citywide	All	Replacement Efficiency	Service Level	1,700,000	1,590,000	1,800,000	1,800,000	1,800,000	8,690,000	9,000,000	18,000,000	35,690,000	Bonds	PWB
Map: n/a WBDIPT	Pump Stations and Tanks	This program maintains a large variety of infrastructure consisting of water storage tanks, pumps, and pump and control facilities. The bureau uses a reliability centered maintenance (RCM) analysis to prioritize projects in these areas. A key focus of the next five years will be to replace the remote telemetry units at over 140 remote sites. The existing units are over 15 years old, and are becoming obsolete. The servers are at the end of their service cycle, and must also be replaced.	Various/ Citywide	All	Replacement Efficiency; Growth	Service Level	500,000	510,000	1,480,000	1,098,000	1,415,000	5,003,000	5,000,000	10,000,000	20,003,000	Bonds	PWB
Map: W-11 W01581	Rose City Sewer Rehabilitation	The project will install 1207 feet of 8 inch DI, 2 new hydrants and 39 new water services 2 inches or smaller.	Rose City area	NE	Replacement	Service Level	2,000	0	0	0	0	2,000	0	0	2,000	Bonds	PWB

Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total FY 2013-33	Funding Source	Facility Provider
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
Map: W-12 W01651	Raymond Tank Supply Improvements	This project will design and construct improvements at Raymond Tank Site and at an intersection of SE Holgate Boulevard and SE 136th Avenue.	Raymond Tank, vicinity	SE	Efficiency	Service Level	125,000	410,000	0	0	0	535,000	0	0	535,000	Bonds	PWB
Map:W-13	Sam Jackson Pump Station	This project will add multiple capital improvements including seismic improvements, replacement of RTU and motor controllers, installation of pump control and check valves, extension of the crane rail, a concrete pad, and installation of a security fence and gate.	Sam Jackson Pump Station	SW	Replacement ; Efficiency	Service Level	0	0	0	0	0	0	1,400,000	0	1,400,000	Bonds	PWB
Map n/a WBDISV	Services	This project constructs replacement and customer requested water services. A water service is the connection between the water main and any given customer's service meter. Service connections are always performed by Water Bureau crews directed by a certified Water Service Mechanic. An ongoing budget of approximately \$4 million per fiscal year provides for installation of about 1,000 water service connections annually and other upgrades to existing water services.	Various/ Citywide	All	Expansion	Service Level	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	20,000,000	20,000,000	40,000,000	80,000,000	Bonds	PWB
Map: W-14 W01590	Willamette River Pipe Crossings	The project replaces major pipelines to strengthen the transmission link between Powell Butte and the service areas west of the Willamette River, including downtown and the storage reservoirs at Washington Park. It includes construction of a new seismically strengthened river crossing to replace the first one of potentially two Willamette River crossings, and new transmission piping on both sides of the river.	Various, Powell Butte – Wash. Park	CC	Expansion	Service Level	460,000	2,600,000	5,000,000	20,000,000	28,540,000	56,600,000	0	55,000,000	111,600,000	Bonds	PWB
<b>Regulatory Compliance</b>																	
Map: n/a W01355	Bull Run Dam 2 Tower	The Water Bureau plans to install steel multi-level intake structures onto the North Dam 2 Tower located in the Bull Run watershed. Modifications are designed to allow selective water withdrawal, proper operation during flood conditions, and enable the towers to better withstand seismic loadings.	Bull Run	Bull Run	Maintenance	Service Level	5,975,000	475,000	0	0	0	6,450,000	0	0	6,450,000	Bonds	PWB
Map: n/a W01534	HCP Alder Creek Fish Passage	This project will design and install two fish passage facilities as planned in the Habitat Conservation Plan (HCP). The project is in Alder Creek, a tributary to the Sandy River. There will be a fish ladder at the waterfall and a fish ladder at a water diversion.	Bull Run	Bull Run	Maintenance	Service Level	458,000	0	0	0	0	458,000	0	0	458,000	Bonds	PWB
Map: n/a WBRCRC	Water Quality and Regulatory Compliance	The bureau recognizes the Bull Run watershed as a diverse ecosystem. The bureau is committed to preserving this habitat and complying with federal regulations using practical, locally driven solutions. Many of the projects in this subprogram respond to the Endangered Species Act (ESA), including the implementation of the Bull Run Habitat Conservation Plan (HCP) as adopted by City Council and approved by the National Marine Fisheries Service. Consistent with HCP commitments, this program funds easements, purchases land, and also supports projects jointly conducted with other watershed partners.	Bull Run	Bull Run	Efficiency	Service Level	1,304,000	3,642,000	9,300,000	2,350,000	2,000,000	18,596,000	10,000,000	20,000,000	48,596,000	Bonds	PWB (EPA, OHHS)

Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total FY 2013-33	Funding Source	Facility Provider
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33			
<b>Supply</b>																	
Map: n/a WBSUBR	Bull Run Watershed	The bureau is committed to updating the Bull Run watershed protection and maintenance procedures and agreements based on the 2007 Bull Run Agreement with the Mt. Hood National Forest. The function of this program is to allocate funds for the capital projects necessary to maintain, improve, and protect the watershed facilities that are not directly related to the water supply system facilities. This includes Bull Run Watershed road reconstruction to ensure continuous, reliable, and safe access to all facilities, as well as maintenance of other city-owned infrastructure within the watershed.	Bull Run	Bull Run	Maintenance	Service Level	380,000	780,000	2,500,000	2,750,000	2,000,000	8,410,000	10,000,000	20,000,000	38,410,000	Bonds	PWB (USFS)
Map: n/a	Dams and Headworks Repair and Rehabilitation	This program provides for assessment of the condition and rehabilitation of dams and other facilities at Headworks. As many of these facilities are between 50 and 70 years old, their safe and reliable operation requires ongoing investment. The program includes preliminary engineering and design of needed repairs, rehabilitation of these facilities, and actual repair work.	Bull Run	Bull Run	Maintenance	Service Level	0	0	0	0	0	0	1,000,000	2,000,000	3,000,000	Bonds	PWB
Map: n/a WBSUGW	Groundwater Improvements	The Columbia South Shore Wellfield (CSSW) is Portland's alternative supply of water should the Bull Run watershed supply be interrupted for any reason. Projects funded in this program improve the maintenance of this aging infrastructure, including repairs, selective replacements and upgrades.	CSSW	NE	Maintenance	Service Level	300,000	450,000	450,000	500,000	500,000	2,200,000	2,500,000	5,000,000	9,700,000	Bonds	PWB
Map:W-15	Groundwater Collection Main Hardening	Much of the piping connecting the wells to the Groundwater Pump Station is located in liquefiable soils which are vulnerable during a seismic event. This project would design and install measures to "harden" the piping and reduce this vulnerability.	CSSW	NE	Maintenance	Service Level	0	0	0	0	0	0	0	20,000,000	20,000,000	Bonds	PWB
Map: W-16 W01371	Groundwater Electrical Supply Improvements	This project designs and constructs a new 115kV/4160V transformer and other components to complete a double-ended electrical substation at the Groundwater Pump Station. It will also design and construct a 5kV main breaker replacement and purchase selected spare components.	CSSW	NE	Efficiency	Service Level	79,000	1,992,000	0	0	0	2,071,000	0	0	2,071,000	Bonds	PWB
Map: W-17	Groundwater Pump Station Expansion	As water demand increases, the bureau will need to increase the available flows from the groundwater system. The system expansion will include upgrade of the Groundwater Pump Station to provide additional capacity.	CSSW	NE	Expansion	Population	0	0	0	0	0	0	0	10,000,000	10,000,000	Bonds	PWB
Map: W-18	Groundwater Wellfield Expansion	As water demand increases, the bureau will need to increase the available flows from the groundwater system. The system expansion will include additional well development and collection mains in the Columbia South Shore area.	CSSW	NE	Expansion	Growth	0	0	0	0	0	0	2,000,000	10,000,000	12,000,000	Bonds	PWB
Map: W-19	Groundwater Wellfield Reliability Enhancement	The bureau is attempting to increase the flexibility and preparedness to meet the future challenge of an interruption of Bull Run water. The bureau is improving its emergency preparedness by evaluating electrical vulnerability for the pumping system, reviewing the flood inundation vulnerability of the site, and development of a Groundwater Intertie that would reduce transmission system vulnerability. The inundation review may be partially completed through a partnership with Multnomah County Drainage District.	CSSW	NE	Efficiency	Service Level	0	0	0	0	0	0	1,000,000	2,000,000	3,000,000	Bonds	PWB
Map: W-20	Powell Valley Well Improvements	The project includes upgrade of the facilities in the previous Powell Valley Road Water District area and connection and integration of these facilities to the PWB water system.	CSSW	NE	Efficiency	Growth	0	0	0	0	0	0	1,000,000	2,000,000	3,000,000	Bonds	PWB
Map: n/a W01669	Road 1008	This project will design and construct an overlay for the Bull Run 1008 road.	Bull Run	Bull Run	Maintenance	Service Level	60,000	650,000	0	0	0	710,000	0	0	710,000	Bonds	PWB
Map: n/a W01670	Road 10 MP 0.6-1.8	Design and construct walls, widening, culverts and repave this portion of the Bull Run 10 road.	Bull Run	Bull Run	Maintenance	Service Level	60,000	840,000	0	0	0	900,000	0	0	900,000	Bonds	PWB

Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total	Funding Source	Facility Provider
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33	FY 2013-33		
<b>Support</b>																	
Map: n/a	Building Maintenance	The bureau maintains hundreds of structures from the Bull Run watershed to Downtown Portland. These structures range in size from small pump houses to the maintenance hub on Interstate Avenue. The necessary work involves structural repairs and maintenance.	Various/ Citywide	All	Maintenance	Service Level	0	0	0	0	0	0	1,000,000	2,000,000	3,000,000	Bonds	PWB (OMF)
Map: n/a	WBASPL	Planning	Various/ Citywide	All	Efficiency; Maintenance	Service Level	1,500,000	1,500,000	2,000,000	2,500,000	2,500,000	10,000,000	12,500,000	25,000,000	47,500,000	Bonds	PWB
Map: n/a	Sandy River Station Upgrade	This project consists of upgrades to the Sandy River Station facilities including an evaluation of a potential move to a different site.	Sandy River station	E	Efficiency Maintenance	Service Level	0	0	0	0	0	0	0	5,000,000	5,000,000	Bonds	PWB (OMF)
Map: n/a	West Side Maintenance Facility	A hub is needed on the west side of the Willamette River for maintenance and construction crews, vehicles, equipment and materials, and emergency operations. This project includes construction of the facility within the next 20 years.	West of Willamette River, tbd	W	Efficiency; Maintenance	Service Level	0	0	0	0	0	0	5,000,000	0	5,000,000	Bonds	PWB (OMF)
<b>Transmission &amp; Terminal Storage</b>																	
Map: n/a	Conduit 5	This project would include installation of sections of a new Conduit 5 as growth occurs and the condition of the existing conduits worsens.	Conduit 5, east of city limits	E	Maintenance Expansion	Service Level; Growth	0	0	0	0	0	0	0	75,000,000	75,000,000	Bonds	PWB
Map: n/a	WBTTCT	Conduits and Transmission Mains	Various/ Citywide	E	Maintenance	Service Level	425,000	8,500,000	12,600,000	5,000,000	7,000,000	33,525,000	10,000,000	20,000,000	63,525,000	Bonds	PWB
Map W-22	W01424	Kelly Butte Reservoir	Kelly Butte	SE	Replacement	Service Level; Growth	35,000,000	27,000,000	4,970,000	0	0	66,970,000	0	0	66,970,000	Bonds	PWB
Map: n/a	New Conduit Intertie	This project would address concerns about the capability of the conduit system to withstand hazards and deliver an uninterrupted supply to the City. The project will improve reliability of flow during emergency conditions and for maintenance by providing additional isolation and interconnectivity.	Conduit, east of city limits	E	Maintenance Efficiency	Service Level	0	0	0	0	0	0	0	10,000,000	10,000,000	Bonds	PWB
Map W-23	W01343	Powell Butte Reservoir 2	Powell Butte	SE	Replacement	Service Level; Growth	27,520,000	7,700,000	0	0	0	35,220,000	0	0	35,220,000	Bonds	PWB
Map W-24	Powell Butte Reservoir 3	This project constructs a third reservoir at Powell Butte and possible bypass piping around the Butte.	Powell Butte	SE	Expansion	Growth	0	0	0	0	0	0	0	100,000,000	100,000,000	Bonds	PWB
Map: n/a	Sandy River Conduit Relocation, Phase II	The bureau is committed to increasing the flexibility and preparedness to meet the future challenge of a natural disaster. This project will relocate the Sandy River crossings of Conduit 3. The crossings of Conduit 2 and 4 have already been completed. These conduits were identified in the system vulnerability study as vulnerable to seismic, volcanic, flooding, and other natural and manmade hazards.	Sandy River crossing	E	Replacement	Service Level	0	0	0	0	0	0	5,000,000	0	5,000,000	Bonds	PWB

Project ID	Project Title	Project Description	Location	Area	Project Objective	Driver	Estimated Cost by Time Period								Grand Total	Funding Source	Facility Provider
							FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Total FY 2013-18	FY 2018-23	FY 2023-33	FY 2013-33		
Map W-25 W01524	Tabor Reservoir Adjustments	This project includes adjustments to piping, structures and other features at Mt. Tabor in order to move storage elsewhere and physically disconnect the open reservoirs from the public water system for compliance with LT2. Project does not include disposition of the reservoirs after they have been disconnected from the public water system.	Mt. Tabor	SE	Replacement	Service Level	225,000	1,140,000	1,990,000	0	0	3,355,000	0	0	3,355,000	Bonds	PWB
Map W-26 W01402	Washington Park Reservoir 3	The project will plan, design and construct a new buried reservoir to replace open reservoir No. 3. This project is one solution toward compliance with LT2 replacement of the open reservoirs. It is assumed that Reservoir # 4 will be used as the overflow detention structure. We envision that the buried reservoir would be topped with a reflecting pond and historical features would be protected to retain its visual appeal.	Washington Park	SW	Replacement	Service Level	3,600,000	2,300,000	2,900,000	19,300,000	24,000,000	52,100,000	0	0	52,100,000	Bonds	PWB
Map W-27	West Side Transmission Main Improvements	These mains include the Sam Jackson to Downtown Pipeline and the Jefferson Street Supply mains. These large transmission mains are needed to strengthen the supply to terminal storage located on the west side of the Willamette River.	Various, SW Portland	E	Maintenance Expansion	Service Level; Growth	0	0	0	0	0	0	10,000,000	10,000,000	20,000,000	Bonds	PWB
Map: n/a	Wholesale Connections	This project provides for facilities servicing wholesale customers including repairs, replacements, and upgrades of pump stations and meters. Additional interties may be needed in the future.	Bull Run	All	Efficiency	Service Level; Growth	0	0	0	0	0	0	0	2,000,000	2,000,000	Bonds	PWB
<b>Treatment</b>																	
Map: n/a W01582	Headworks Flow Meters	This project would install new flow meters on the Primary Intake conduits; install new flow meters and flow control valves on Screen house #3 conduits; and, address the sump pump drainage system in Bailey PRV vault.	Bull Run	Bull Run	Maintenance	Service Level	2,500,000	0	0	0	0	2,500,000	0	0	2,500,000	Bonds	PWB
Map: n/a	Treatment Facilities Improvements	Treatment of Portland's drinking water is the most complex activity the bureau engages in while operating the water system. This project would include several related projects for the Bull Run water supply, at Bull Run Headworks and the Lusted Hill Facility. Projects would likely be driven by State and Federal regulations	Bull Run	Bull Run	Maintenance	Service Level; Growth	0	0	0	0	0	0	50,000,000	100,000,000	150,000,000	Bonds	PWB (EPA, OHHS)
<b>Total All Projects</b>							<b>125,209,600</b>	<b>110,949,890</b>	<b>76,092,322</b>	<b>81,943,138</b>	<b>96,524,338</b>	<b>490,719,288</b>	<b>309,050,000</b>	<b>767,300,000</b>	<b>1,567,069,288</b>		



## Bureau of Transportation

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The Portland Bureau of Transportation project list includes planned transportation projects, based on the Portland's Transportation System Plan (TSP) and the Regional Transportation Plan (RTP). These multi-modal projects address the needs of pedestrian, bicyclists, transit users, freight movers, and motorists. Investments in the City's transportation system are needed to maintain existing facilities and to ensure the system meets the needs of Portlanders for decades to come. Anticipated funding is not adequate to support completion of all projects identified in the Investment Strategy.

The City is updating the Transportation System Plan along with the Comprehensive Plan Update. This update of the Transportation System Plan will include refining the list of projects included here to reflect anticipated funding, project timing; recent plans, new goals and policies, and proposed centers, corridors, and greenways.

For more information on the TSP update project, visit <http://www.portlandoregon.gov/transportation/63710>.



TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
30019	Port	Hayden Island/Rivergate, N: Rail Access	Rail access bridge from Rivergate to West Hayden Island development.	Hayden Island/Rivergate, N	\$3,000,000
30026	Metro	Kelly Point Park Access Trail/40-Mile Loop Trail, N	Construct multi-use trail for bicycle and pedestrian along the north bank of the Columbia Slough.	Kelly Point Park/40-Mile Loop, N	\$115,000
30028	Portland	Killingsworth, N (Interstate - MLK Jr Blvd): Street Improvements	Construct street improvements to improve pedestrian connections to Interstate MAX LRT and to establish a main street character promoting pedestrian-oriented activities	Killingsworth, N (Interstate - MLK Jr Blvd)	\$4,900,000
30030	Portland	Killingsworth, N (Denver to Greeley): Pedestrian Improvements	Design and implement streetscape and transportation improvements.	Killingsworth, N (Denver to Greeley)	\$1,851,960
30034	Portland	Lombard, N/NE (St Johns Bridge - MLK Jr): Bikeway	Design and implement bicycle facilities.	Lombard, N/NE (St Johns Bridge - MLK Jr)	\$100,000
30035	Portland	Lombard, N/NE (MLK Jr - Philadelphia): ITS	Communications infrastructure including closed circuit TV camera, Bluetooth detection, improved bus priority variable message signs for remote monitoring and control of traffic flow at the intersections with MLK Jr, Interstate, Greeley, Portsmouth, Philadelphia/Ivanhoe.	Lombard, N/NE (MLK Jr - Philadelphia)	\$673,440
30037	Portland	Lombard, N (I-5 - Denver): Street Improvements	Establish a landscaped boulevard to promote pedestrian-oriented uses and to create a safe, pleasant pedestrian link over I-5, including a signal or other intersection improvement at Montana & Lombard and an improved pedestrian crossing of the Interstate 5 on-ramp. The project will be coordinated with ODOT to address potential impacts to Lombard and the I-5 interchange.	Lombard, N (I-5 - Denver)	\$1,703,242
30038	Portland	Marine Dr, N/NE (Portland Rd to 185th): ITS	CCTV at N Portland Rd. Changeable message signs at Portland Rd, Vancouver and 185th	Marine Dr, N/NE (Portland Rd to 185th)	\$238,510
30039	Port	Marine Dr, N (at Rivergate West): Rail Crossing, Phase II	Reroute rail tracks and construct an above-grade rail crossing at Rivergate West entrance to improve safety and reduce vehicle and rail traffic conflicts.	Marine Dr, N (at Rivergate West)	\$13,644,200
30043	Portland	Prescott Station Area Street Improvements, N	Construct improvements to Prescott & Skidmore (Interstate-Maryland) & Maryland (Interstate-Prescott) to provide neighborhood focal point at LRT	Prescott Station Area, N	\$4,770,200
30050	Portland	St. Johns Pedestrian District, N	Enhance pedestrian access to transit, improve safety, and enhance the streetscape such as better lighting and crossings. Improvements including realigning the "ivy" island, curb extensions, a new traffic signal at Richmond/Lombard, and pedestrian connections between St. Johns and the riverfront based on the St Johns/Lombard Plan.	St. Johns, N	\$5,000,000
30054	Port	Barnes Rail Yard - Bonneville Rail Yard, N: Track Expansion	Construct additional unit train trackage between Bonneville and Barnes Yards to support unit train movement between South Rivergate and the Columbia Corridor.	Barnes Rail Yard - Bonneville Rail Yard, N	\$11,900,000
30055	Port	Penn Junction, N, UP/BNSF Main Line: Track Realignment	Realign track configuration, double track, and upgrade signaling to improve mainline capacity and allow greater train turnout speed.	Penn Junction, N, UP/BNSF Main Line	\$3,500,000

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
30056	Portland	Columbia Bl, N/NE (MLK Jr BL - Lombard): Bikeway	Design and implement bicycle facilities.	Columbia Bl, N/NE (MLK Jr BL - Lombard)	\$153,944
30058	Portland/Port	Lombard, N (at Terminal 4): Driveway Consolidation	Consolidate driveways at Terminal 4 and Schnitzer Steel.	Lombard, N (at Terminal 4)	\$10,000,000
30059	Portland	Lombard, N (N Tyler - N Woolsey)	Implement main street improvements along N Lombard consistent with the St. Johns/Lombard Plan, including curb extensions, street lighting and bicycle improvements.	Lombard, N (N Tyler - N Woolsey)	\$1,002,000
30062	Port/Railroad	West Hayden Island Rail Yard Expansion, West Hayden Island	Extend rail from BNSF mainline to West Hayden Island and construct rail loop to serve future marine terminal development.	West Hayden Island	\$9,500,000
30063	Region	BNSF Line at Columbia Bridge, N: Track Improvements	Improve rail track conditions on approaches to movable spans.	BNSF Line at Columbia Bridge, N	\$8,000,000
30065	Region	N Portland Junction, N: Rail Improvements	Upgrade rail track with revised crossovers, centralized traffic control tie-in and increased turning radius to accommodate higher rail speeds and capacity.	N Portland Junction, N	\$23,600,000
30066	Region	N Portland Rail Grade Separation, N	Grade separate rail/highway traffic on N Columbia Blvd at Penn Junction at BNSF Rail Bridge and Columbia Slough and N Portland Junction	N Portland Rail, N	\$75,000,000
30069	Region	Slough Rail Bridge, N	Future rail bridge across Columbia Slough to provide rail connection to south Rivergate from Terminal 6.	Slough Rail Bridge, N	\$4,500,000
30070	Portland	Columbia Bl/Portland Rd, N: Intersection Improvements	Redesign intersection.	Columbia Bl/Portland Rd, N	\$3,000,000
30072	Port	Rivergate ITS, N	Connect real-time information to ODOT's Highway ITC systems.	Rivergate, N	\$480,000
30075	Portland	Lombard, N/NE (MLK Jr - Philadelphia): ITS	CCTV at various intersections; changeable message signs.	Lombard, N/NE (MLK Jr - Philadelphia)	\$210,000
30077	Port	Barnes to Terminal 4, N: Track Expansion	Add dedicated track for Terminal 4 through Barnes Yard and add new track from Barnes Yard to Terminal 4.	Barnes to Terminal 4, N	\$3,000,000
30080	Portland	Burgard-Lombard, N: Street Improvements	Widen street to include two 12-foot travel lanes, continuous left turn lane, bike lanes and sidewalk.	Burgard-Lombard, N	\$17,000,000
30081	ODOT/Portland	Argyle, N (Columbia - Denver): Roadway Improvements	New N Argyle street connection, west of I-5. Construct a new arterial roadway north of existing street alignment and reconstruct existing street as a local street in a Pedestrian District as recommended by the I-5 Delta Park project in the Argyle on the Hill Alternative.	Argyle, N (Columbia - Denver)	\$11,773,032
40003	Portland	26th/Regents, NE: Intersection Improvements	Reconstruct intersection including pedestrian refuge to improve traffic flow and safety.	26th/Regents, NE	\$115,000
40006	Portland	33rd/Marine Drive, NE: Intersection Improvements	Signalize intersection for freight movement.	33rd/Marine Drive, NE	\$350,750

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
40007	Portland/ODOT	42nd Bridge, NE (at Lombard): Bridge Replacement	Replace 42nd bridge over Lombard to remove weight restriction.	42nd Bridge, NE (at Lombard)	\$4,900,000
40008	Portland	47th/42nd, NE (Cornfoot - Siskiyou): Bike Lanes	Design and implement bicycle facilities. Project involves shoulder paving and drainage work.	47th/42nd, NE (Cornfoot - Siskiyou)	\$160,000
40009	Portland	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 pedestrian and bicycle improvements.	47th, NE (Columbia - Cornfoot)	\$5,541,678
40010	Portland	60th Ave, NE (Killingsworth - Going/Cully): Pedestrian Improvements	Construct sidewalks, curbs, and storm drainage improvements.	60th Ave, NE (Killingsworth - Going/Cully)	\$400,000
40012	Portland	72nd, NE (Killingsworth - Prescott): Pedestrian Improvements	Construct sidewalks, curbs, and storm drainage improvements along 72nd and improve pedestrian crossings at Prescott and Killingsworth.	72nd, NE (Killingsworth - Prescott)	\$750,000
40016	Port	82nd, NE (Airport Way - Columbia Bl): Bike & Pedestrian Improvements	Construct bicycle and pedestrian facilities.	82nd, NE (Airport Way - Columbia Bl)	\$510,000
40020	Portland	92nd Ave, NE (Fremont - Halsey): Bicycle & Pedestrian Improvements	Design and implement bicycle facilities. Construct sidewalks to provide access to transit and schools.	92nd Ave, NE (Fremont - Halsey)	\$360,000
40023	Port	Airport Way, NE: Return and Exit Roads	Relocate Airport Way exit roadway and construct new return roadway (Terminal Access Study, projects R4 and R5; to be scoped by PDX Master Plan).	Airport Way, NE	\$6,400,900
40025	Port	82nd/Airport Way, NE: Overcrossing	Construct grade-separated overcrossing.	82nd/Airport Way, NE	\$86,000,000
40027	Portland/Port	Alderwood St, NE, (Alderwood Trail - Columbia Bl): Bikeway	Design and implement bicycle facilities. Project includes some shoulder widening.	Alderwood St, NE, (Alderwood Trail - Columbia Bl)	\$561,200
40028	Portland	Argyle, NE (14th - MLK): Street Extension	Extend NE Argyle to provide better street grid. Will serve as a collector/distributor for industrial businesses & reduce traffic congestion at MLK/Columbia intersection.	Argyle, NE (14th - MLK)	\$480,000
40030	Portland	Broadway/Weidler, NE (15th - 28th): Multi-modal Improvements, Phases II & III	Boulevard retrofit of street including street trees, traffic signals, curb extensions, wider sidewalks, and bicycle facilities.	Broadway/Weidler, NE (15th - 28th)	\$9,058,399
40032	Portland	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.	Alderwood/Columbia Blvd/Cully, NE	\$1,460,000
40036	Portland	Cornfoot, NE (47th - Alderwood): Road Widening & Intersection Improvements	Construct a multi-use path on the north side of Cornfoot Rd and install missing guardrail segments on the south side.	Cornfoot, NE (47th - Alderwood)	\$3,626,000

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
40037	Portland	Cully, NE (Columbia Bl - Fremont): Multi-modal Improvements	Design and implement bicycle facilities.	Cully, NE (Columbia Bl - Fremont)	\$500,000
40039	Portland	Fremont St, NE (42nd-52nd): Pedestrian and Safety Improvements	Construct streetscape and transportation improvements to improve the pedestrian environment.	Fremont St, NE (42nd-52nd)	\$405,116
40042	Portland/ODOT	Halsey, NE (Bridge at I-84): Seismic Retrofit	Seismic bridge retrofit.	Halsey, NE (Bridge at I-84)	\$387,000
40045	Portland/ODOT	Hollywood Pedestrian District, NE: Multi-modal Improvements	Multi-modal street improvements including traffic signals, restriping, improved pedestrian crossings and connections to transit center.	Hollywood, NE	\$10,776,092
40052	Portland	Killingsworth, NE (42nd-72nd): Pedestrian Improvements	Construct sidewalks and crossing improvements for pedestrian travel and access to transit.	Killingsworth, NE (42nd-72nd)	\$420,000
40053	Portland	Killingsworth, NE (33rd - Williams): Pedestrian Improvements	Design and implement streetscape and transportation improvements to increase opportunities to walk and enhance the main street character of this corridor.	Killingsworth, NE (33rd - Williams)	\$900,000
40058	Portland/ODOT	MLK Jr, N (Columbia Bl - CEID): ITS	CCTV at various locations & traffic monitoring stations at Clay and Burnside.	MLK Jr, N (Columbia Bl - CEID)	\$989,115
40061	Portland	Columbia Blvd/MLK Jr & Lombard/MLK Jr, NE: Intersection Improvements	Intersection and signalization improvements with right turn lane.	Columbia Blvd/MLK Jr & Lombard/MLK Jr, NE	\$2,228,909
40065	Portland	Prescott, NE (47th - I-205): Pedestrian and Bicycle Improvements	Construct bicycle facilities, sidewalks, and crossing improvements for pedestrian and bike safety and to improve access to transit.	Prescott, NE (47th - I-205)	\$1,403,000
40068	Portland	Sandy Blvd, NE (47th - 101st): Multi-modal Improvements, Phase II	Retrofit existing street with multi-modal street improvements including bicycle facilities, redesign of selected intersections to improve pedestrian crossings, streetscape, and safety improvements.	Sandy Blvd, NE (47th - 101st)	\$6,481,860
40069	Portland	Sandy Blvd, NE (82nd - Burnside): ITS	Install ITS infrastructure (communication network, enhanced bus detection, Bluetooth detection, CCTV cameras, and vehicle /pedestrian detectors). These ITS devices allow us to provide more efficient and safe operation of our traffic signal system consistent with our policies of moving people more effectively	Sandy Blvd, NE (82nd - Burnside)	\$519,110
40070	Portland	Sandy Bl, NE (12th - 47th): Multi-modal Improvements	Design and implement bicycle facilities.	Sandy Bl, NE (12th - 47th)	\$500,000
40071	Portland	Skidmore, N/NE, (Interstate - Cully): Bikeway	Design and implement a neighborhood greenway.	Skidmore, N/NE, (Interstate - Cully)	\$105,330
40073	Port	Southwest Quad, NE (at 33rd): Access to PDX Properties	Provide street access from 33rd into the SW Quad property.	Southwest Quad, NE (at 33rd)	\$5,917,500

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
40074	Portland	Twenties Bikeway, NE/SE (Lombard - Clinton)	Design and implement a bikeway from Lombard to Crystal Springs & 45th using neighborhood greenways and bike lanes with a varying alignment along NE/SE 26th to 30th Avenues.	Between 26th and 30th Ave, NE/SE (Lombard - Clinton)	\$2,300,000
40079	Portland	Marine Dr, NE: Intersection Improvements	Intersection improvements at NE Bridgeton Rd and NE Faloma/6th.	Marine Dr, NE	\$2,035,000
40081	Port	Airport MAX, NE: Light Rail Track Realignment	Realign light rail track into airport terminal building to accommodate terminal expansion plans.	Airport MAX, NE	\$16,330,700
40082	Portland	Seventies Neighborhood Greenway, NE (Killingsworth - I-84)	Design and implement a neighborhood greenway from Thomas Cully Park to I-84 with a varying alignment along the "70s" Avenues.	70s Avenues, NE (Killingsworth - I-84)	\$1,409,019
40084	Portland/ODOT	I-405/Kerby, N: Interchange Improvement	Improve I-405/Kerby interchange to calm traffic at off-ramp.	I-405/Kerby, N	\$515,000
40085	Port	Kenton Rail Line, NE: Additional RR Tracks	Upgrade single track to double track; new sidings; staging tracks	Kenton Rail Line, NE	\$25,400,000
40086	Portland	Halsey, NE (39th - I-205): Bikeway	Design and implement a bikeway along the NE Halsey Street corridor.	Halsey, NE (39th - I-205)	\$500,000
40091	Port	PDX PIC Pedestrian & Bicycle Improvements	Bicycle & pedestrian connection between Alderwood and Mt Hood LRT station.	Alderwood to Mt Hood LRT stations	\$1,163,835
40097	ODOT	Airport Way, NE: Braided Ramps	Braided ramps between I-205 interchange and Cascade interchange.	Airport Way, NE	\$59,000,000
40100	Portland	33rd Ramps, NE (at Columbia Bl/Lombard: New Ramps	New ramp system connecting Columbia & Lombard at 33rd.	33rd Ramps, NE (at Columbia Bl/Lombard	\$7,014,016
40102	Portland	Columbia BL, NE (60th - 82nd): Road Widening	Widen Columbia Blvd to five lanes in this segment to address a system bottleneck and improve property access.	Columbia BL, NE (60th - 82nd)	\$14,859,000
50001	Portland	Parkrose Connectivity Improvements, NE	Supplement access route for commercial properties in Parkrose by creating a loop road connection (102nd and 109th, NE, Killingsworth - Sandy; Killingsworth, NE, 109nd - 102nd) serving truck access functions, pedestrian, and bike connections.	Parkrose, NE	\$1,403,000
50003	Portland	102nd Blvd & Cherry Blossom, NE/SE (Glisan - Market): Gateway Plan District Multi-modal Improvements, Phase II	Implement Gateway regional center plan with boulevard design retrofit, new traffic signals, improved pedestrian facilities and crossings, street lighting and new bicycle facilities.	102nd Blvd & Cherry Blossom, NE/SE (Glisan - Market)	\$2,200,000
50004	Portland	102nd, N (Sandy - Brazee): Pedestrian Improvements	Construct sidewalks and improved crossings, install bicycle facilities, and make traffic safety improvements.	102nd, N (Sandy - Brazee)	\$720,000
50005	Portland	122nd, NE/SE (Airport Way - Powell): ITS	CCTV at various locations; changeable message signs; traffic monitoring stations.	122nd, NE/SE (Airport Way - Powell)	\$515,703
50006	Portland	122nd, NE (Sandy Dr - Prescott): Pedestrian Improvements	Construct sidewalks along existing street.	122nd, NE (Sandy Dr - Prescott)	\$120,000

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50008	Portland	138th, NE (Marine Dr - Sandy): Street Improvements	Widen street and add vehicle lanes, sidewalks, and bicycle facilities.	138th, NE (Marine Dr - Sandy)	\$2,000,000
50009	Portland	148th, NE (Marine Dr - Glisan): Bicycle & Pedestrian Improvements	Retrofit bike facilities to existing street (Airport Way - I-84) and construct sidewalk and safety improvements including signal/intersection improvements at 148th/Sandy (Airport Way-Glisan).	148th, NE (Marine Dr - Glisan)	\$2,568,893
50012	Portland	162nd Ave, NE (Sandy - Halsey): Bikeway	Design and implement separated in-roadway bicycle facilities.	162nd Ave, NE (Sandy - Halsey)	\$20,000
50014	Portland	99th Ave & Pacific Ave, NE: Gateway Plan District Street Improvements, Phase I	Reconstruct primary local main street network in Gateway Regional Center on NE 99th from Weidler to 300' south of Glisan and NE Pacific from 97th to 102nd.	99th Ave & Pacific Ave, NE	\$4,042,500
50015	Portland	99th & 96th, NE/SE (Glisan-Market: Gateway Plan District Street Improvements, Phase II & III	Reconstruct primary local main street in Gateway Regional Center. Phase II - 99th (Glisan - Washington). Phase III - 96th (Washington to Market).	99th & 96th, NE/SE (Glisan-Market)	\$4,910,500
50016	Port/Portland	Airport Way, NE (I-205 - 158th): 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.	Airport Way, NE (I-205 - 158th)	\$278,251
50018	Portland	Gateway Regional Center, NE/SE: Local Street Improvements, Phase I	High priority local street and pedestrian improvements in regional center	Gateway Regional Center, NE/SE	\$3,000,000
50019	Portland	Gateway Regional Center, NE/SE: Local Street Improvements, Phase II	High priority local street and pedestrian improvements in regional center.	Gateway Regional Center, NE/SE	\$8,418,000
50020	Portland	Gateway Regional Center, NE/SE: Local Street Improvements, Phase III	High priority local street and pedestrian improvements in regional center.	Gateway Regional Center, NE/SE	\$8,418,000
50023	Portland	Glisan St, NE (106th - 122nd): Bikeway	Design and implement bicycle facilities.	Glisan St, NE (106th - 122nd)	\$81,023
50024	Portland	Glisan St, NE (I-205 - 106th): Gateway Plan District Multi-modal Improvements	Implement Gateway regional center plan with boulevard design retrofit, new traffic signals, bike facilities, improved pedestrian facilities and crossings, and street lighting.	Glisan St, NE (I-205 - 106th)	\$3,240,930
50027	Portland	Halsey to San Rafael & 118th to 132nd, NE: Pedestrian Improvements	Improve pedestrian access to San Rafael Shopping Center including street trees.	Halsey to San Rafael & 118th to 132nd, NE	\$250,000
50028	Portland	Halsey St, NE (122nd-162nd): Pedestrian Improvements	Construct sidewalks, crossing improvements for ped travel and access to transit.	Halsey St, NE (122nd-162nd)	\$1,000,000



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50030	Portland	Marine Drive/122nd, NE: Intersection Improvements	Signalize and widen dike to install left turn lane on Marine Drive.	Marine Drive/122nd, NE	\$2,361,249
50032	Portland	105th & Prescott, NE: Parkrose Pedestrian Enhancements	Construct sidewalk and crossing improvements to provide access to transit and schools.	105th & Prescott, NE	\$500,000
50033	Portland	Prescott St, NE (122nd - I-205): Bikeway	Design and implement a bikeway along the NE Prescott corridor.	Prescott St, NE (122nd - I-205)	\$1,000,000
50036	Portland	Shaver St, NE (116th to 122nd): Pedestrian Improvements	Construct sidewalks and crossing improvements for pedestrian travel and access to transit and schools.	Shaver St, NE (116th to 122nd)	\$210,000
50037	Portland	San Rafael/Tillamook, NE (102nd - 148th): Bikeway	Design and implement a neighborhood greenway.	San Rafael/Tillamook, NE (102nd - 148th)	\$1,300,000
50038	Portland	Woodland Park, NE: Pedestrian Improvements	Construct sidewalks and crossing improvements on San Rafael (111th-122nd), Sacramento (111th-117th), & 111th (San Rafael-Sacramento) to provide access to transit & schools.	Woodland Park, NE	\$500,000
50039	Portland	Halsey/Weidler, NE (I-205 - 114th): Multi-modal Improvements	Implement Gateway Regional Center Plan boulevard design including new traffic signals, improved pedestrian facilities and crossings and street lighting.	Halsey/Weidler, NE (I-205 - 114th)	\$17,014,883
50041		Marine Dr, NE:(I-205 - 122nd) Multi-Use Path	Add multi-use path along Marine Dr.	Marine Dr, NE	\$1,100,000
60004	ODOT	Bridge Ave, NW (St Helens Rd - St Helens Rd): Pedestrian/Bicycle trail at St. Johns Bridge	Construct a multi-use path along Bridge Avenue between both St Helens Rd intersections.	Bridge Ave, NW (St Helens Rd - St Helens Rd)	\$346,500
60005	Portland	Barnes/Burnside, NW: Intersection Access Improvements	Install signal or 4-way stop near Wildwood Trail and entrance to Pittock.	Barnes/Burnside, NW	\$500,000
60006	Portland	Burnside, W (23rd - Skyline): Multi-modal Improvements	Design and implement separated in-roadway bicycle facilities. Construct and improve sidewalks, lighting, and crossings. The project will include intersection improvements at Burnside/Skyline to improve pedestrian/bicycle crossings and traffic safety.	Burnside, W (23rd - Skyline)	\$2,000,000
60007	Portland	Cornell, NW (30th - City Limits): Bikeway	Design and implement bicycle facilities.	Cornell, NW (30th - City Limits)	\$1,000,000
60008	Portland	Everett St, NW, (Broadway - 23rd): Corridor Safety Improvements	Install improved pedestrian crossing at NW Park Ave, remodel traffic signal and improve overhead signage at NW 16th Ave, and provide additional minor improvements along corridor to improve safety at high crash locations.	Everett St, NW, (Broadway - 23rd)	\$2,000,000
60009	Portland	Everett/Glisan, NW (Front - 14th & 18th - 24th): Bikeway	Design and implement bicycle facilities.	Everett/Glisan, NW (Front - 14th & 18th - 24th)	\$200,000

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60012	Portland	Kittridge, NW (Bridge at Yeon): Seismic Retrofit	Seismic retrofit.	Kittridge, NW (Bridge at Yeon)	\$2,100,000
60015	Portland	Skyline, NW (Hwy 26 - City Limits): Bikeway	Widen street in order to add bicycle facilities and gravel shoulders.	Skyline, NW (Hwy 26 - City Limits)	\$8,088,812
60023	Portland/ODOT	Yeon/St. Helens, NW: ITS	CCTV at various locations; changeable signs; monitoring stations at Nicolai and Kittridge.	Yeon/St. Helens, NW	\$885,499
60024	Portland	Wildwood Trail Bridge, NW/SW	Construct pedestrian overcrossing where Burnside intersects the Wildwood Trail to eliminate at-grade crossing.	Wildwood Trail Bridge, NW/SW	\$2,126,948
60025	Portland	Fairview, SW (Kingston - City Limits): Bikeway	Design and implement bicycle facilities.	Fairview, SW (Kingston - City Limits)	\$2,000,000
60026	Portland	Champlain, SW: Viaduct Replacement10292	Replace existing viaduct with retaining wall and geofoam fill.	Champlain, SW	\$282,269
60027	Portland/ODOT	23rd/Vaughn, NW: Intersection Improvements	Improve the intersection of NW 23rd & Vaughn and extend NW 20th Ave from Upshur to Thurman in accordance with the Northwest Master Plan for Con-way Site.	23rd/Vaughn, NW	\$1,540,000
60029	Mult Co/Portland	Miller, NW (Stark - Cornell): Multimodal Improvements	Add bicycle and pedestrian facilities.	Miller, NW (Stark - Cornell)	\$261,000
70001	Portland	13th Ave, SE(Malden - Tacoma): Streetscape Improvements	Plan and implement streetscape and transportation improvements to increase opportunities to walk and enhance the main street character.	13th Ave, SE(Malden - Tacoma)	\$2,000,000
70005	Portland	Cesar E, Chavez., NE/SE (Sandy - Woodstock): Safety & Pedestrian Improvements	Reconstruct street and upgrade sidewalks as necessary to meet current standards and add pedestrian/bicycle crossing improvements (Stark - Schiller). Upgrade signals and make striping changes to improve traffic safety and transit operations.	Cesar E, Chavez., NE/SE (Sandy - Woodstock)	\$3,086,600
70006	Portland	60th Ave, NE/SE (Glisan - Belmont): Corridor Safety Improvements	Signal improvements, modifications, and realignment to improve safety at high accident locations. Includes the intersections with Belmont, Glisan, and Stark.	60th Ave, NE/SE (Glisan - Belmont)	\$380,000
70008	Portland	92nd Ave, SE (Powell - City Limits): Bicycle & Pedestrian Improvements	Construct sidewalks, crossing improvements and bicycle facilities.	92nd Ave, SE (Powell - City Limits)	\$4,910,500
70009	Portland	Belmont St, SE (25th - 43rd): Street and Pedestrian Improvements	Design and implement streetscape improvements to enhance sidewalks, lighting, crossings, transit stops, and signals. Evaluate the feasibility of bicycle facilities along the Belmont corridor.	Belmont St, SE (25th - 43rd)	\$3,240,930
70010	Portland	Burnside, E (28th - 82nd): Bicycle & Pedestrian Improvements	Install separated in-roadway bicycle facilities (32nd - 68th), construct traffic safety and pedestrian improvements (16th - Cesar Chavez), and improve pedestrian crossings to provide access to schools and transit (60th - 82nd).	Burnside, E (28th - 82nd)	\$500,000

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70013	Portland	Division St, SE (Grand - 60th): Multi-modal Improvements, Phase I	Design and implement streetscape improvements to enhance sidewalks, lighting, crossings, access to transit, transit stops, and signals. Add separated in-roadway bicycle facilities (52nd - 60th).	Division St, SE (Grand - 60th)	\$5,848,135
70014	Portland	Division St, SE (60th - I-205): Multimodal Improvements, Phase II	Design and implement streetscape improvements to enhance sidewalks, lighting, crossings, access to transit, transit stops, and signals.	Division St, SE (60th - I-205)	\$2,806,000
70017	Portland	Ellis St, SE (92nd - Foster): Bikeway	Design and implement bicycle facilities.	Ellis St, SE (92nd - Foster)	\$648,186
70019	Portland	Flavel Dr, SE (45th - Clatsop): Multimodal Improvements	Fully improve street from SE 45th to Clatsop Street with travel lanes, curbs, swales, sidewalks, and separated in-roadway bicycle facilities from 52nd to Clatsop.	Flavel Dr, SE (45th - Clatsop)	\$7,294,088
70020	Portland	Flavel St, SE (82nd - 92nd): Pedestrian Improvements	Construct sidewalks and crossing improvements.	Flavel St, SE (82nd - 92nd)	\$340,000
70021	Portland	Foster Rd, SE (Powell - 90th): Pedestrian/Bicycle/Safety Improvements	Improve sidewalks, lighting, crossings, bus shelters, and benches on Foster and improve pedestrian crossings to benefit access to transit. Install separated in-roadway bicycle facilities.	Foster Rd, SE (Powell - 90th)	\$5,250,000
70024	Portland	Foster & Woodstock, SE (94th - 101th): Street Improvements, Phase II	Implement Lents Town Center Business District Plan with new traffic signals, pedestrian amenities, wider sidewalks, pedestrian crossings, and street lighting.	Foster & Woodstock, SE (94th - 101th)	\$11,510,000
70027	Portland	Harney Dr, SE (52nd - Flavel): Bikeway	Design and implement bicycle facilities.	Harney Dr, SE (52nd - Flavel)	\$1,252,000
70028	Portland	Harold St, SE (52nd - Foster): Bikeway	Design and implement bicycle facilities.	Harold St, SE (52nd - Foster)	\$200,000
70030	ODOT	McLoughlin (99E), SE (Ross Island Bridge - Clatsop): Street Improvements	Provide access management and operational improvements from Ross Island Bridge to Harold and widen to six lanes from Harold to Tacoma.	McLoughlin (99E), SE (Ross Island Bridge - Clatsop)	\$50,000,000
70031	Portland	Holgate Bl, SE (52nd - I-205): Bikeway, Phase I	Design and implement bicycle facilities.	Holgate Bl, SE (52nd - I-205)	\$100,000
70032	Portland	Holgate Bl, SE (39th - 52nd): Street Improvements	Reconstruct pavement structure and stormwater drainage facilities, improve corner curb ramps to ADA standards, improve pedestrian crossings, and add separated in-roadway bicycle facilities.	Holgate Bl, SE (39th - 52nd)	\$10,000,000
70033	Portland	Holgate Bl, SE (McLoughlin - 39th): Bikeway, Phase II	Design and implement bicycle facilities.	Holgate Bl, SE (McLoughlin - 39th)	\$2,000,000

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
70040	Portland	McLoughlin Blvd, SE (at Ross Island Sand and Gravel signalized entrance): Brooklyn Neighborhood Access Improvements	Upgrade intersection at Ross Island Sand and Gravel entrance to accommodate safe pedestrian crossing of McLoughlin Blvd. Alternative crossing opportunities will be considered if location is found to be infeasible or unsafe.	McLoughlin Blvd, SE (at Ross Island Sand and Gravel signalized entrance)	\$330,000
70041	Portland	Milwaukie, SE (Gideon - Mall): Bicycle & Pedestrian Improvements	Design and implement streetscape and pedestrian/bike improvements.	Milwaukie, SE (Gideon - Mall)	\$350,000
70042	Portland	Milwaukie, SE (Yukon - Tacoma): Bicycle & Pedestrian Improvements	Design and implement streetscape and pedestrian/bike improvements.	Milwaukie, SE (Yukon - Tacoma)	\$1,403,000
70044	Portland	Mt. Scott Bl, SE (92nd - 112th): Pedestrian Improvements	Build a continuous walkway for pedestrian travel and access to transit with crossing improvements at transit stop locations.	Mt. Scott Bl, SE (92nd - 112th)	\$1,900,000
70045	ODOT/Portland	Powell, SE (Ross Island Bridge - 50th): Multi-modal Improvements	Retrofit existing street with multimodal safety improvements including enhanced pedestrian and bicycle crossings, pedestrian and bike activated signals, median islands with trees, redesign of selected intersections and stormwater management facilities.	Powell, SE (Ross Island Bridge - 50th)	\$7,997,100
70047	Tri Met	Powell - Foster Rapid Bus, SE	Construct improvements that enhance frequent bus service along the Foster corridor.	Powell - Foster, SE	\$745,368
70049	Portland	Reedway St, SE (McLoughlin - 29th): Multi-Use Path	Construct a multi-use path from 23rd to 26th crossing McLoughlin Blvd and connecting to the McLoughlin multi-use path.	Reedway St, SE (McLoughlin - 29th)	\$1,000,000
70052	Portland	Seventies Greenstreet and Bikeway, SE (I-84 - Clatsop)	Design and implement a neighborhood greenway from I-84 to Clatsop with a varying alignment along the "70s" Avenues.	70s Avenues, SE (I-84 - Clatsop)	\$2,818,037
70053	Portland	Springwater Corridor Trail, SE (Umatilla - 19th): Trail	Construct trail-with-rail multi-use path between Umatilla and 19th to fill in the "Springwater Gap."	Springwater Corridor Trail, SE (Umatilla - 19th)	\$3,032,411
70055	Portland	Tacoma St, SE (Sellwood Bridge - McLoughlin): Multi-modal Improvements	Implement boulevard design based on Tacoma Main Street study recommendations and incorporate McLoughlin Neighborhoods Project recommendations.	Tacoma St, SE (Sellwood Bridge - McLoughlin)	\$1,400,000
70057	Portland	Tacoma, SE (Sellwood Bridge - 45th/Johnson Creek): ITS	Communications infrastructure; closed circuit TV cameras, variable message signs for remote monitoring and control of traffic flow for four signals.	Tacoma, SE (Sellwood Bridge - 45th/Johnson Creek)	\$231,495
70059	Portland	Glisan St, NE (47th - I-205): Bikeway	Design and implement bicycle facilities.	Glisan St, NE (47th - I-205)	\$81,023
70060	Portland	92nd, SE (Stark - Lincoln): Bikeway	Design and implement bicycle facilities.	92nd, SE (Stark - Lincoln)	\$50,000
70064	Portland	Foster Rd, SE/FSE: ITS	CCTV at various locations; changeable signs; monitoring stations	Foster Rd, SE/FSE	\$145,000
70065	ODOT	McLoughlin/SE: ITS	CCTV at various locations; variable sign; monitoring stations.	McLoughlin/SE	\$250,000

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
80001	Portland	111th/112th Ave, SE (Market - Mt. Scott Bl): Bicycle & Pedestrian Improvements	Design and implement bicycle facilities on existing street (Market - Mt. Scott Bl) and construct sidewalks (Holgate - Mt. Scott Bl).	111th/112th Ave, SE (Market - Mt. Scott Bl)	\$2,070,127
80004	Portland	136th Ave, SE (Division - Foster): Bikeway	Improve streetscape to provide curbs, sidewalks, swales, and bicycle facilities from Division to Foster.	136th Ave, SE (Division - Foster)	\$5,000,000
80005	Portland	148th Ave, SE (Burnside - Powell): Pedestrian Improvements	Construct sidewalks, curbs, ADA ramps.	148th Ave, SE (Burnside - Powell)	\$980,000
80007	Portland	174th & Jenne Rd , SE (Foster - Powell): Multi-modal Improvements	Roadway improvements to increase safety and capacity to accommodate increased residential development. Widen roadway to 3 lanes and provide bicycle facilities and sidewalks.	174th & Jenne Rd , SE (Foster - Powell)	\$7,155,300
80008	Portland	Barbara Welch Rd, SE (Foster - City Limits): Multimodal Improvements	Widen travel lanes, improve sidewalks, and improve intersection at Foster. Design and implement bicycle facilities on existing roadway.	Barbara Welch Rd, SE (Foster - City Limits)	\$20,191,557
80009	Portland	Division St, SE (I-205 - 174th): Multimodal Improvements, Phase III	Improve sidewalks, lighting, crossings, bus shelters and benches, and bicycle facilities.	Division St, SE (I-205 - 174th)	\$5,710,912
80010	Portland	Foster Rd, SE (102nd - Foster Pl): Pedestrian Improvements		Foster Rd, SE (102nd - Foster Pl)	\$1,403,000
80011	Portland	Foster Rd, SE (136th - Jenne): Multi-modal Improvements	Widen street to three lanes to provide two travel lanes, continuous turn lane, bike lanes, sidewalks, crossing improvements, and drainage. Reconstruct Foster/162nd intersection.	Foster Rd, SE (136th - Jenne)	\$16,963,756
80012	Portland	Holgate Bl, SE (92nd - 142nd): Pedestrian Improvements	Construct sidewalks and crossing improvements to facilitate pedestrian travel and access to transit. Provide bicycle facilities (122nd - 136th).	Holgate Bl, SE (92nd - 142nd)	\$1,260,000
80014	Portland	Mill Park Pedestrian Improvements, SE	Construct sidewalks & crossing improvements to improve pedestrian travel and access to transit and schools on Market (96th - 112nd), 101st (Market - Division), 117th (Stark - Division).	Mill Park, SE	\$1,185,000
80015	ODOT	Powell, SE (99th - 174th): Multi-modal Improvements	Widen street to three to four lanes (inclusive of a center turn lane) with sidewalks and buffered bike lanes or other enhanced bike facility. Add enhanced pedestrian and bike crossings.	Powell, SE (99th - 174th)	\$66,551,572
80016	Portland	Powellhurst/ Gilbert Pedestrian Improvements, SE	Construct sidewalks & crossing improvements to enhance pedestrian travel and access to transit and schools on Harold (102nd-128th), 122nd (Bush-Harold), 110th (Harold-Foster); 103rd/104th (Powell-Foster).	Powellhurst/ Gilbert, SE	\$1,473,288
80017	Portland	Stark, SE (111th - City Limits): Bicycle and Pedestrian Improvements	Construct sidewalks and crossing improvements and provide separated in-roadway bicycle facilities.	Stark, SE (111th - City Limits)	\$243,070

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
80018	Portland	Stark & Washington, SE (92nd - 111th): Gateway Plan District Street Improvements	Implement Gateway regional center plan with boulevard design retrofit including new traffic signals, improved pedestrian facilities and crossings, and street lighting.	Stark & Washington, SE (92nd - 111th)	\$6,157,767
80020	Portland	Market/Mill/Main, SE (72nd - 175th): Bikeway	Design and implement a neighborhood greenway.	Market/Mill/Main, SE (72nd - 175th)	\$600,000
80021	Portland/Clackamas Co	Clatsop, SE (Deardorf/132nd - 162nd): Multimodal Improvements	Multimodal improvements based on PV Implementation Plan.	Clatsop, SE (Deardorf/132nd - 162nd)	\$2,000,000
80022	ODOT	I-205, SE (Division - Powell Blvd): Interchange Improvements	Add full access ramps to I-205 at Powell.	I-205, SE (Division - Powell Blvd)	\$12,000,000
80023	Portland	162nd/Clatsop, SE: Intersection Improvements	Install signal at intersection.	162nd/Clatsop, SE	\$250,000
80024	Portland/Gresham	Clatsop, SE (162nd - City Limits): Street Extension	Extend street east into PV based on PV Implementation Plan.	Clatsop, SE (162nd - City Limits)	\$4,202,582
80025	Portland/Gresham	Foster Rd, SE (162nd - Giese Rd): Multi-modal Street Improvements	Multimodal improvements based on PV Implementation Plan.	Foster Rd, SE (162nd - Giese Rd)	\$2,525,400
80026	Portland	162nd, SE (Foster Rd - Clatsop): Street Improvements	Multimodal improvements based on PV Implementation Plan.	162nd, SE (Foster Rd - Clatsop)	\$7,000,000
90001	Portland	12th, Broadway, Cardinell & Davenport, SW (Montgomery - Vista): Bikeway	Design and implement bicycle facilities.	12th, Broadway, Cardinell & Davenport, SW (Montgomery - Vista)	\$4,508,000
90002	Portland	19th, SW (Barbur - Spring Garden): Bicycle and Pedestrian Improvements	Design and implement bicycle and pedestrian facilities.	19th, SW (Barbur - Spring Garden)	\$200,000
90003	Portland	25th Ave & Kanan, SW (23rd - B-H Hwy): Pedestrian Improvements	Construct a walkway for pedestrian travel and access to transit.	25th Ave & Kanan, SW (23rd - B-H Hwy)	\$450,000
90004	Portland	26th Ave, SW (Spring Garden - Taylors Ferry): Pedestrian Improvements	Construct a walkway for ped travel and access to transit and install street lighting.	26th Ave, SW (Spring Garden - Taylors Ferry)	\$350,000
90005	Portland	30th Ave, SW (Vermont to B-H Hwy): Bicycle & Pedestrian Improvements	Design and implement bicycle facilities, construct sidewalks, and improve the pedestrian crossing at Beaverton-Hillsdale Hwy & 30th.	30th Ave, SW (Vermont to B-H Hwy)	\$1,839,333
90006	Portland	35th Ave, SW (Vermont - Barbur): Bicycle & Pedestrian Improvements	Add bike facilities (Vermont - Barbur), sidewalks, and crossing improvements (Multnomah - Barbur).	35th Ave, SW (Vermont - Barbur)	\$690,000

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90007	Portland	35th Ave, SW (Taylors Ferry - Stephenson): Bicycle & Pedestrian Improvements	Add bicycle facilities (Taylors Ferry - Stephenson), sidewalks, crossing improvements, and median islands (Taylors Ferry - Dickinson) to improve safety.	35th Ave, SW (Taylors Ferry - Stephenson)	\$1,570,000
90009	Portland	48th/Alfred, SW (Taylors Ferry - 55th): Bikeway	Design and implement bicycle facilities.	48th/Alfred, SW (Taylors Ferry - 55th)	\$500,000
90011	Portland	55th/Pasadena/Pomona, SW (Taylors Ferry - Barbur): Bikeway	Design and implement bicycle facilities.	55th/Pasadena/Pomona, SW (Taylors Ferry - Barbur)	\$2,000,000
90012	Portland	61st/62nd, SW (Taylors Ferry - Pomona): Bikeway	Design and implement bicycle facilities.	61st/62nd, SW (Taylors Ferry - Pomona)	\$1,000,000
90013	Portland	Arnold, SW (Boones Ferry - 35th): Bicycle & Pedestrian Improvements	Design and implement bicycle and pedestrian facilities.	Arnold, SW (Boones Ferry - 35th)	\$3,479,000
90014	Portland/ODOT	Barbur Blvd, SW: ITS	Install intelligent transportation system infrastructure to improve safety and enhance traffic flow.	Barbur Blvd, SW	\$550,000
90016	Portland	Barbur Blvd, SW (3rd - Terwilliger): Multi-modal Improvements	Construct Improvements for transit, bikes and pedestrians. Transit improvements include preferential signals, pullouts, shelters, left turn lanes and sidewalks.	Barbur Blvd, SW (3rd - Terwilliger)	\$4,000,000
90017	Portland/ODOT	Barbur Blvd, SW (Terwilliger - City Limits): Multi-modal Improvements	Complete boulevard design improvements including sidewalks and street trees, safe pedestrian crossings, enhanced transit access and stop locations, traffic signal at Barbur/30th, and bicycle facilities (Bertha - City Limits).	Barbur Blvd, SW (Terwilliger - City Limits)	\$24,833,100
90019	Portland	Beaverton-Hillsdale Hwy, SW: ITS	CCTV at Terwilliger, Berth, Shattuck; changeable signs.	Beaverton-Hillsdale Hwy, SW	\$315,675
90020	Portland	Beaverton-Hillsdale Hwy, SW (Capitol Hwy - 65th): Multi-modal Improvements	Improve streetscape to include better sidewalks, crossings, and other improvements to enhance access to transit.	Beaverton-Hillsdale Hwy, SW (Capitol Hwy - 65th)	\$3,565,023
90022	Portland	Bertha, SW (B-H Hwy - Barbur): Multi-modal Improvements	Design and implement bicycle facilities on Bertha Blvd (Vermont-B-H Hwy), construct walkway for pedestrian travel and access to schools (Barbur-B-H Hwy); and improve street to City standards (Vermont-Capitol).	Bertha, SW (B-H Hwy - Barbur)	\$2,104,500
90023	Portland	Boones Ferry Rd, SW (Terwilliger - City Limits): Bikeway	Design and implement bicycle facilities.	Boones Ferry Rd, SW (Terwilliger - City Limits)	\$7,015,000
90024	Portland	Broadway Dr, SW (Sherwood - Grant): Pedestrian Improvements	Construct a sidewalk and crossing improvements.	Broadway Dr, SW (Sherwood - Grant)	\$1,100,000
90025	Portland	Cameron Rd, SW (45th - Shattuck): Multi-modal Improvements	Design and implement bicycle facilities, construct sidewalks, and provide safety improvements at the Cameron/Shattuck intersection.	Cameron Rd, SW (45th - Shattuck)	\$3,068,000

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90026	Portland	Capitol Hwy, SW (Multnomah Bl - Taylors Ferry): Bicycle & Pedestrian Improvements	Replace existing roadway and add sidewalks, improved crossings, bike lanes, and green stormwater features.	Capitol Hwy, SW (Multnomah Bl - Taylors Ferry)	\$19,100,000
90027	Portland	Capitol Hwy, SW (West Portland Town Center - 49th): Pedestrian Improvements	Complete curb extensions and medians recommended in the Capitol Hwy Plan.	Capitol Hwy, SW (West Portland Town Center - 49th)	\$1,403,000
90028	Portland	Beaverton-Hillsdale /Bertha/Capitol Hwy, SW: Intersection Improvements	Redesign intersection to improve safety.	Beaverton-Hillsdale /Bertha/Capitol Hwy, SW	\$1,403,000
90029	Portland	Capitol Hwy, SW (Terwilliger - Sunset): Multi-modal Improvements	Construct sidewalks, crossing improvements for access to transit and bike improvements, and install left turn lane at the Capitol/Burlingame intersection.	Capitol Hwy, SW (Terwilliger - Sunset)	\$1,403,000
90031	Portland	Dosch Rd, SW (Patton - B-H Hwy): Bicycle & Pedestrian Improvements	Design and implement bicycle and pedestrian facilities.	Dosch Rd, SW (Patton - B-H Hwy)	\$5,745,000
90033	Portland	Garden Home Rd, SW (Capitol Hwy - Multnomah): Multi-modal Improvements	Reconstruct road to three lanes with signal improvements at Multnomah intersection, drainage, bike lanes, sidewalks and curbs.	Garden Home Rd, SW (Capitol Hwy - Multnomah)	\$1,931,033
90034	Portland	Hamilton St, SW (Dosch - Scholls Ferry): Bicycle & Pedestrian Improvements	Design and implement bicycle facilities and construct sidewalks to provide access to transit and schools.	Hamilton St, SW (Dosch - Scholls Ferry)	\$12,420,360
90038	Portland	Humphrey Bl, SW (Patton - Scholls Ferry): Bicycle & Pedestrian Improvements	Construct bicycle facilities and sidewalks.	Humphrey Bl, SW (Patton - Scholls Ferry)	\$4,000,000
90043	Portland	Lancaster Rd, SW (Taylors Ferry - Stephenson): Pedestrian Improvements	Construct pedestrian facilities.	Lancaster Rd, SW (Taylors Ferry - Stephenson)	\$1,000,000
90044	Portland	43rd & Lee, SW: Pedestrian Bridge & Path	Construct a bridge and path to connect SW Lee to SW 43rd within the existing ROW.	43rd & Lee, SW	\$90,000
90046	Portland	Macadam, SW (Bancroft - Sellwood Br): ITS	CCTV at various locations; variable sign; monitoring station.	Macadam, SW (Bancroft - Sellwood Br)	\$401,794
90047	Portland	Macadam, SW (Bancroft - County line): Multi-modal Improvements	Improve pedestrian and bicycle crossings of Macadam and connections to the Willamette Greenway Trail.	Macadam, SW (Bancroft - County line)	\$1,000,000
90048	Portland/ODOT	Pedestrian Overpass near Markham School, SW	Construct pedestrian path and bridge over Barbur Bl and I-5 to connect SW Alfred and SW 52nd to the rear of Markham School.	Between Alfred and 52nd, SW	\$4,861,395



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90049	Portland	Marquam Hill, SW (13th/Gibbs - 11th/Curry): Pedestrian Improvements	Construct a walkway and crossing improvements.	Marquam Hill, SW (13th/Gibbs - 11th/Curry)	\$1,000,000
90050	Portland	Multnomah Bl, SW (Barbur - 45th): Street Improvements	Reconstruct street to urban standards including curb, sidewalks, storm sewers and upgraded street lights.	Multnomah Bl, SW (Barbur - 45th)	\$4,225,000
90051	Portland	Nevada St/Ct, SW: Path & Stair/Bridge	Construct a path and bridge over Stevens Creek to connect Nevada Ct to Capitol Hill Road & Bertha Blvd at Chestnut.	Nevada St/Ct, SW	\$400,000
90052	Portland/ Mult Co	Palatine Hill Rd, SW (Boones Ferry - City Limits): Bikeway	Design and implement bicycle facilities.	Palatine Hill Rd, SW (Boones Ferry - City Limits)	\$10,000,000
90053	Portland	Palatine St, SW (27th-Lancaster): Street Extension	Complete neighborhood collector to provide multi-modal access to Lancaster Rd.	Palatine St, SW (27th-Lancaster)	\$672,228
90054	Portland	Patton Rd, SW (Vista - Scholls Ferry): Bicycle & Pedestrian Improvements	Construct bikeway (Vista - Scholls Ferry) and walkway (Homar to Shattuck).	Patton Rd, SW (Vista - Scholls Ferry)	\$1,220,000
90055	Portland	Pomona St, SW (35th - Barbur): Bicycle & Pedestrian Improvements	Provide bicycle facilities (35th - Capitol) and sidewalks (35th - Barbur).	Pomona St, SW (35th - Barbur)	\$2,700,000
90059	Portland	Shattuck Rd, SW (Patton - Vermont): Bicycle & Pedestrian Improvements	Provide bicycle facilities and sidewalks.	Shattuck Rd, SW (Patton - Vermont)	\$6,405,000
90060	Portland	South Portland Improvements	Reconstruct Naito Pkwy as two-lane road w/bike lanes, sidewalks, left turn pockets, & on-street parking. Includes realignment/regrading at intersecting streets; removal of Barbur tunnel, Ross Is Br ramps, Arthur/Kelly viaduct & Grover ped bridge. This project will be coordinated with ODOT and with the Southwest Corridor Plan, and will consider impacts to ODOT facilities including Naito Parkway and the Ross Island Bridge.	Natio Pkwy, SW	\$39,695,079
90061	Portland	Spring Garden, SW (Taylors Ferry - Capitol Hwy): Bicycle and Pedestrian Improvements	Provide bicycle facilities on existing street and construct pedestrian facilities.	Spring Garden, SW (Taylors Ferry - Capitol Hwy)	\$4,165,000
90062	Portland	Stephenson, SW (Boones Ferry - 35th): Multi-modal Improvements	Design and implement bicycle and pedestrian facilities. Improve safety at the Stephenson & Boones Ferry intersection.	Stephenson, SW (Boones Ferry - 35th)	\$2,374,408
90063	Portland	Sunset Bl, SW (Dosch - Capitol): Bicycle & Pedestrian Improvements	Construct bicycle facilities, sidewalks, and crossing improvements.	Sunset Bl, SW (Dosch - Capitol)	\$1,683,600

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90064	Portland	Taylor's Ferry, SW (Capitol Hwy - City Limits): Bicycle & Pedestrian Improvements	Provide bicycle facilities, including shoulder widening and drainage, and construct sidewalk for access to transit (40th - 60th).	Taylor's Ferry, SW (Capitol Hwy - City Limits)	\$4,400,000
90065	Portland	Taylor's Ferry, SW (Macadam - 35th): Bicycle & Pedestrian Improvements	Widen shoulder in uphill direction on SW Taylor's Ferry Rd from Macadam to Terwilliger to provide bicycle climbing lane and stripe bike lanes from Terwilliger to 35th. Construct sidewalks for pedestrian travel and access to transit.	Taylor's Ferry, SW (Macadam - 35th)	\$1,800,000
90066	Portland/ Mult Co	Terwilliger, SW, (Troy - County line): Pedestrian Improvements	Provide pedestrian improvements including missing sidewalks and improved pedestrian crossings at Lewis & Clark and Maplecrest.	Terwilliger, SW, (Troy - County line)	\$1,280,000
90067	Portland	Vermont St, SW, (30th - Oleson): Bicycle and Pedestrian Improvements	Add bicycle facilities to existing street (30th - Oleson), construct sidewalk (37th - Shattuck), and redesign intersection at 25th.	Vermont St, SW, (30th - Oleson)	\$7,909,800
90068	Portland	West Portland Town Center, SW: Pedestrian Improvements	Improve sidewalks, lighting, crossings, bus shelters, and benches on Barbur, Capitol Hwy, and surrounding neighborhood streets.	West Portland Town Center, SW	\$7,015,000
90069	Portland	Barbur/Capitol/Huber/Taylor's Ferry, SW: Intersection Improvements	Construct safety improvements for all modes at the intersection of Capitol Hwy, Taylor's Ferry, Huber, and Barbur, including possible modifications to the I-5 ramps. This project will be coordinated with ODOT because it is within the interchange influence area.	Barbur/Capitol/Huber/Taylor's Ferry, SW	\$40,000,000
90070	Portland	Capitol Hwy, SW (Vermont - Florida): Intersection Improvements	Realign the Capitol/Vermont/30th intersection and provide sidewalks, bike lanes, and drainage improvements.	Capitol Hwy, SW (Vermont - Florida)	\$1,898,314
90071	Portland/ Mult Co	Willamette Greenway, SW: Trail Extension	Extend Greenway Trail from Sellwood Bridge to the County line.	Willamette Greenway, SW	\$500,000
90072	Portland	Capitol Hwy & Lesser, SW (49th - Kruse Ridge): Bicycle & Pedestrian Improvements	Add bicycle facilities to existing roadway and construct sidewalks.	Capitol Hwy & Lesser, SW (49th - Kruse Ridge)	\$1,400,000
90073	Portland	Dolph Ct, SW (26th - Capitol Hwy): Pedestrian Improvements	Construct a walkway.	Dolph Ct, SW (26th - Capitol Hwy)	\$640,000
90075	Portland	35th and Stephenson, SW: Pedestrian Improvements	Construct a walkway for pedestrian travel and access to schools on 35th (Stephenson-Dickenson) and on Stephenson (27th - 35th).	35th and Stephenson, SW	\$850,000
90077	ODOT	Capitol Hwy, SW (Barbur): Ramp Seismic Retrofit	Seismic retrofit.	Capitol Hwy, SW (Barbur)	\$1,039,000
90078	Mult Co/ Portland	Scholls Ferry, SW (Humphrey - County line): Multimodal Improvements	Add bicycle and pedestrian facilities; intersection improvements at Patton.	Scholls Ferry, SW (Humphrey - County line)	\$2,300,000

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90079	Mult Co/Portland	55th Dr, SW (South of Patton Road): Pedestrian Improvements	Add sidewalks to both sides of street.	55th Dr, SW (South of Patton Road)	\$211,000
102040	Portland	Gateway Regional Center, Local and Collector Streets, Phase 2	High priority local and collector streets and pedestrian improvements in the Gateway Regional Center.	Gateway Regional Center, E	\$32,648,540
102050	Portland	Gateway Regional Center, Local and Collector Streets, Phase 1	High priority local and collector streets and pedestrian improvements in the Gateway Regional Center.	Gateway Regional Center, E	\$4,209,000
102290	Portland	Saint Johns Truck Strategy Implementation phase II	Implement traffic calming pedestrian and bicycle improvements along the Fessenden/St. Louis corridor. Implement freight and other multimodal improvements on N. Lombard street from N. Bruce to St. Louis Ave.	Saint Johns, N	\$3,345,990
102340	Portland	Columbia Slough Trail Gaps	Close gaps in Columbia Slough Trail: North Slough to North Portland Rd; Landfill to Pier Park; I-5 to NE Elrod; NE Elrod to NE 82nd Ave; NE 82nd Ave to 92nd Ave; I-205 to approx. NE 128th; NE 145th to 158th, Peninsula Canal, Cross-Levee, Delta Park Trail.	Columbia Slough Trail, N/NE	\$8,460,000
103540	Portland	Fanno Creek Greenway (Red Electric) Trail	Provide east-west route for pedestrians and cyclists in SW Portland that connects the existing Fanno Creek Greenway Trail to Willamette Park.	Fanno Creek Greenway (Red Electric) Trail	\$17,653,000
105420	Portland	Foster Rd. Improvements (162 - Jenne)	Improve Foster Rd. to Minor Arterial (Parkway) standards, 2 lanes, with turn pockets where appropriate.	Foster Rd. Improvements (162 - Jenne)	\$3,014,698
108570	Portland	Jenne/Foster	Modify the intersection to improve traffic safety and operations. Evaluate adding a second EB left turn lane from Foster to Jenne.	Jenne/Foster	\$540,780
108580	Portland	174th/Powell	Modify the intersection to improve traffic safety and operations.	174th/Powell	\$1,860,824
110910	Portland/Port	Columbia Blvd./I-205 Interchange: SB On-Ramp Improvement	Widen the southbound on-ramp to three lanes, including for one for Freight and HOV use.	Columbia Blvd./I-205 Interchange	\$750,000
111020	Portland	Streetcar Extension to Hollywood via Sandy Blvd or Broadway/Weidler	Corridor Alternatives Analysis, public outreach, planning, design, engineering, and construction for future streetcar extension from Lloyd District/Central Eastside to Hollywood Town Center. The new extension intended to provide streetcar service from Northwest Portland to Hollywood.	Sandy Blvd or Broadway/Weidler, NE	\$70,000,000
111330	Portland	St. Johns Truck Strategy Implementation Phase III	Addresses pedestrian safety, bicycle safety and neighborhood livability impacts associated with cut-through truck traffic on N. Fessenden St. The project will construct pedestrian crossing safety and traffic calming improvements, such as curb extensions and median islands.	St. Johns, N	\$1,000,000

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111970	Portland	Swan Island Active Transportation Access and Mobility Improvements	Improve access and mobility on Swan Island by constructing the recommended bikeway and trail network.	Swan Island, N	\$9,000,000
111980	Portland	Portland-Milwaukie Light Rail Active Transportation Enhancements Project	Construct a shared-use path along SE McLoughlin Blvd from 17th Ave to the Springwater Corridor Trail and build a bicycle parking center at the Tacoma/Springwater light rail station. This project will be coordinated with ODOT to determine the alignment along McLoughlin Blvd.	Portland-Milwaukie Light Rail, SE	\$8,000,000
113160	Portland	Lents Town Center Active Transportation Demonstration Project	Expand from existing 26 miles of developed bikeway to 53 miles, including improvements of existing facilities. Construct 4 miles of new sidewalks and undertake encouragement programs in support of new infrastructure.	Lents Town Center, SE	\$57,000,000
113180	Portland	MLK (Broadway Killingworth) Streetcar Corridor	Corridor Alternatives Analysis, public outreach, planning, design, engineering, and construction for future streetcar extension from Lloyd District to NE Portland. The new extension intended to provide streetcar service from South Waterfront District to Northeast Portland neighborhoods.	MLK (Broadway-Killingworth)	\$65,000,000
113190	Portland	NW 18th/19th (Saiver/Thurman) Streetcar Corridor	Corridor Alternatives Analysis, public outreach, planning, design, engineering, and construction for future streetcar extension to Con-Way and NW Portland.	NW 18th/19th (Saiver/Thurman)	\$35,000,000
113200	Portland	NE 60th & Glisan LRT Station Area	Implement pedestrian and bicycle improvements in the 60th Ave MAX Station Area.	NE 60th & Glisan LRT Station Area	\$7,570,723
113230	Portland	Sullivan's Gulch Trail, Phase 1	Construct a multi-use trail for pedestrians and bicycles within the Banfield (I-84) Corridor from the Eastbank Esplanade to NE 21st Ave.	Sullivan's Gulch Trail, NE	\$7,700,000
113240	Portland	Barbur Bridges	Reconstruct existing viaducts. Include bicycle and pedestrian facilities on or parallel to the structures.	Barbur Blvd, SW	\$32,000,000
113610	Portland	Portland Bike Share	Design and implement a bike share system.	Citywide	\$4,690,000
115590	Portland	NE Halsey Safety Improvements (40th - 92nd)	Make safety improvements including pedestrian/bicycle crossings, left turn pockets, and improved signal timing.	NE Halsey Safety Improvements (40th - 92nd)	\$150,000
115600	Portland	Central City Multimodal Safety Improvements	Identify, prioritize, and implement multi-modal safety improvements in the Portland Central City. Includes preliminary development of a new greenway trail south of the Marquam Bridge, providing access to the Tilikum Bridge and the South Waterfront neighborhood.	Central City	\$6,616,200
115610	Portland	South Rivergate Freight	Make roadway improvements and evaluate alternatives to resolve rail blockages, and reconstruct the N Lombard/Rivergate intersection to accommodate truck turning movements. Install ITS communication infrastructure including advance notification systems for rail blockage and CCTV cameras to monitor truck and rail traffic in the South Rivergate Industrial District	Rivergate, N	\$3,552,899
115620	Portland	Swan Island ITS	Improve signal timing to improve access to and from Swan Island Industrial area.	Swan Island, N	\$551,350

TSP ID	Lead Agency	Project Title	Project Description	Location	Cost Estimate
115640	Portland	Barbur Demonstration Project 19th Ave. to 26th Ave.	The project will make minor improvements to existing signalized intersections and provide two new enhanced crossings for pedestrians and cyclists along SW Barbur Boulevard.	Barbur (19th Ave. - 26th Ave)	\$2,100,000
115670	Portland	Downtown I-405 Pedestrian Safety and Operational Improvements	Improve pedestrian and bike access from NW Portland to Central City across I-405. Improves traffic operations for I-405 off-ramp.	Central City	\$2,240,000
115690	Portland	Willamette Greenway Trail/Chimney Park	Construct a pedestrian/bicycle bridge over Columbia Blvd and adjacent connections. Connects North Portland Greenway Trail segments 1 and 2.	Willamette Greenway Trail/Chimney Park, N	\$2,612,381
115700	Portland	Columbia/ Alderwood	Improve traffic operations and freight mobility on Columbia Blvd between Cully and Alderwood.	Columbia/Alderwood, N	\$5,527,534
115710	Portland	Barbur/99W Corridor Safety and Access to Transit	This project makes improvements for safety, access to transit, and transit operations in the Barbur-99W corridor.	Barbur/99W, SW	\$3,605,001
115720	Portland	Powell-Division Safety and Access to Transit	This project makes improvements for safety, access to transit and transit operations in the Powell and Division corridors.	Powell-Division, SE	\$2,800,000
116320	Portland/Port	North Hayden Island Drive	Reconstruct North Hayden Island Drive from the Burlington Northern Rail Bridge to the I-5 Hayden island Interchange.	North Hayden Island Drive, N	\$12,350,000
116330	Portland/Gresham	Gresham Fairview Trail Phase V	Multi-use path on 185th from Sandy to Marine drive	Gresham Fairview Trail, NE	\$1,000,000
116340	Portland	9th Ave Neighborhood Greenway NE	Design and implement a neighborhood greenway along 7th Ave and/or 9th Ave through NE Portland and the Lloyd District.	9th Ave, NE	\$700,000
116350	Portland	9th Ave Neighborhood Greenway SE	Design and implement a neighborhood greenway along 9th Ave through the Central Eastside Industrial District.	9th Ave, SE	\$700,000
116360	Portland	NE Multnomah multi-modal improvements	Construct permanent improvements to the NE Multnomah protected bikeway.	Multnomah, NE	\$1,000,000
116380	Portland	Capitol Highway Safety Improvements	Make safety improvements including pedestrian/bicycle crossings, left turn pockets, and improved signal timing.	Capitol Highway, SW	\$150,000
116390	Portland	Johns Landing Streetcar	Corridor Alternatives Analysis, public outreach, planning, design, engineering, and construction for future streetcar extension from Portland to Johns Landing.	Johns Landing, SW	\$80,000,000
116400	Portland	North Portland Greenway Segment 1	Build a multi-use trail connecting Kelley Point Park to N Columbia Blvd at Chimney Park.	North Portland Greenway, N	\$9,559,102
116410	Portland	North Portland Greenway Segment 2	Build a multi-use trail connecting Chimney Park, Pier Park, Baltimore Woods, Cathedral Park, and St Johns.	North Portland Greenway, N	\$2,083,874
116420	Portland	North Portland Greenway Segment 3	Build a multi-use trail connecting the Cathedral Park with Swan Island via University of Portland and Willamette Cove.	North Portland Greenway, N	\$14,787,630
116430	Portland	North Portland Greenway Segment 4	Build a multi-use trail connecting Waud Bluff Trail to N Going Street through Swan Island.	North Portland Greenway, N	\$5,256,420
116440	Portland	North Portland Greenway Segment 5	Build a multi-use trail along the Albina Yard connecting Swan Island to the Rose Quarter.	North Portland Greenway, N	\$7,306,910
116460	Portland	NE Broadway Multi-modal improvements (Broadway Bridge - 42nd)	Construct a protected bikeway and enhanced pedestrian/bicycle crossings.	Broadway (Broadway Bridge - 42nd), NE	\$3,500,000

