# **2015 PORT TRANSPORTATION IMPROVEMENT PLAN**

FINAL 2/11/2015



#### Acknowledgments

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#### **4** INTRODUCTION

The Port of Portland's mission is to provide competitive cargo and passenger access to regional, national and international markets while enhancing the region's quality of life.

For the most part, the Port does not own or control the surrounding transportation system that provides access to its facilities.<sup>1</sup> Good access to Port properties and marine and aviation facilities is a competitive advantage for the region's businesses and residents. The region's economy depends on efficient movement to and through the marine and aviation gateways. Therefore, improvements to the road, rail, water and transit systems that provide access to Port facilities are of vital interest to the Port and to the region's and state's businesses.

Freight movement has historically played a large role in the development of the Portland area economy. Due to its location at the confluence of the Willamette and Columbia Rivers with access to the Pacific Ocean, Portland has long served as a major shipment point in the Pacific Northwest. In addition to the navigable waterways, Portland is also served by two Class 1 rail lines, two interstate highways and a network of other major roads. All of these factors contribute to Portland's development as a major distribution center for freight.

Several recent studies have substantiated the importance of investing in the transportation system and linked those investments to the region's and state's economic health. The Cost of Congestion to the Economy of the Portland Region (updated 2014), sponsored by a consortium of public agencies and private businesses, confirms the transportation dependency of the region's economy and affirms that the region's competitiveness is largely dependent upon its role as a gateway and distribution center. The study determined that improvements in the transportation system produce a 2:1 return for the economy.

The Commodity Flow Forecast Update (2006) produced by DRI/WEFA predicts a doubling of freight volume moving throughout the region in 30 years. This kind of growth will dramatically impact Port facilities and will require significant investments to ensure access to them. The magnitude of regional transportation access investments and their financing are addressed through Metro's Regional Transportation Plan (RTP),

<sup>&</sup>lt;sup>1</sup> Roads owned and maintained by the Port of Portland include:

NE Airport Way (between I-205 and the Airport terminal), 82<sup>nd</sup> Ave. (north of NE Alderwood Rd.), NE Frontage Rd., NE Mt. Hood Ave. (north of Airport Way), NE AirTrans Way, part of N Time Oil Rd., T-5 access road, T-6 access roads, old Marine Dr. (west of N Portland Rd.), Ramsey St. (west of Rivergate Blvd.) and other misc. access roads.

Metro's Transportation Improvement Program (MTIP) and the State Transportation Improvement Plan (STIP). Access needs critical to Port facilities are reflected in the Port Transportation Improvement Plan (PTIP).

#### **GOAL AND OBJECTIVES**

The Port Transportation Improvement Plan is a multimodal compilation of marine terminal, airport, road, rail, waterway, transit, bicycle, and pedestrian projects, normally identified through transportation and other studies managed by or in coordination with the Port. The plan also identifies a transportation demand management program to be implemented. The plan is designed to organize transportation and transportation-related improvement needs. The goal and objectives of the Port's Transportation Improvement Plan are as follows:

#### Goal:

Maintain the strategic advantage provided by the transportation system in this region by addressing the surface access needs of businesses and passengers trying to reach national and international markets via Port facilities.

#### **Objectives:**

- Identify 5, 10, and 20-year surface transportation system investments that provide and maintain access to Port facilities and property developments.
- Develop a long-range vision for the financial implications of transportation system investments, and integrate this long-range planning with the Port's 5-year capital program.
- Increase public awareness of Port access needs on the city, state and private rail carrier systems.
- Facilitate coordination between the Port and appropriate public and private transportation system stakeholders to make improvements and investments that enhance access to national and international markets for the region's businesses and residents.

#### 4 ASSUMPTIONS

Contained within this document are projects generally developed from transportation studies based on the region's assumptions about population and employment growth. These assumptions, developed by Metro in cooperation with all the jurisdictions in the region, are allocated to the land use designations of locally adopted comprehensive plans. As population and employment assumptions are updated, the needs of the transportation system are updated. The Port and other local governments participate in transportation systems studies to determine what parts of the surface transportation system (road/transit/rail/bicycle/pedestrian) are insufficient to meet the regional assumptions about passenger and freight movement.

This document represents the Port's assessment of the transportation system and the infrastructure necessary in order to achieve its mission. The PTIP helps the Port focus its transportation priorities and lets the public and the Port's partner jurisdictions know which projects will need cooperative efforts.

#### ROJECT FUNDING

In recent years, the overall demand for transportation improvements at the local, state and federal levels has vastly exceeded available resources. The PTIP defines Port transportation needs over a 20-year time frame. Some of the transportation improvements are on Port properties, and some are on systems that are the legal responsibility of others but serve Port facilities.

Funding for projects in the PTIP is expected from a number of sources, including the jurisdictions that have legal responsibility for the system and private interests that may benefit from the improvements. The project detail sheets identify the funding sources anticipated to implement these projects. Funds attributed to specific jurisdictions reflect specific funding commitments. Funds designated as "Committed Port Share" are in the Port's approved budget. "Forecasted Port Share" indicates funds which the Port will obtain, whether from its own revenues or with funding from other sources. Where funds are listed as 'Unfunded', either a funding strategy has not yet been defined for the improvement, or changes in the project scope have impacted the existing funding strategy.

#### **4** PORT PRIORITY PROJECTS

Port facilities support an array of transportation modes and present a wide range of project needs: marine and aviation terminal, road, rail, waterway, transit, bicycle and pedestrian improvements. The PTIP maps include surface transportation projects that improve or provide access to marine and aviation terminals. However, the ability of the marine and aviation terminals to provide the region's businesses with access to markets also depends on the transportation system within the terminal facilities themselves.

Many of the Port's priority transportation projects will involve funding from other agencies and/or the private sector. A significant portion of these projects are off Port property on facilities owned and maintained by other jurisdictions and in areas that are significant transportation bottlenecks for access to national and international markets via Port facilities. Due to size, type and use of the facility, a cooperative funding arrangement among the affected parties will be necessary to adequately fund and implement these projects.

A subgroup of high priority projects deemed to be of strategic value for the Port have been identified to warrant focused attention for obtaining cooperative funding this year.

High Priority Projects Involving Other	Project	Map ID #
Funding Sources	Cost	
Rivergate Boulevard Overcrossing	\$14,200,000	25
PDX Northside Redevelopment	\$5,800,000	3
Cornfoot Road Multimodal Safety Improvements	\$3,626,000	6
T6 Crane Drives for Cranes 6380 and 6381	\$2,000,000	12
Terminal 2 Crane Upgrade	\$2,300,000	26
Terminal 2 Rail Improvement	\$2,200,000	28
Terminal 2 Crane Drives for Cranes 2371 and 2372	\$2,000,000	31
New Dredge Tender	\$6,000,000	30
Dredge Oregon Pipe, Scows, and Pontoons	\$10,200,000	29
Auto Import/Export Expansion	\$14,000,000	17
PIC Ped/Bike Network	\$1,163,835	4

Notes: 1. Projects are not listed in order of priority.

2. Refer to Priority Reports for funding break-out

For surface transportation projects, the following criteria determine which projects have been considered for cooperative funding:

- The project improves access to Port terminals or properties and is critical to Port strategic development in either a) the next ten years, or b) the next twenty years, with aspects of the project required to begin within the next ten years.
- 2. The project also serves other city, regional, state or national transportation and/or economic functions.
- 3. The project is included or, prior to construction, will be included in the Regional Transportation Plan (RTP).
- 4. The project meets the eligibility criteria for federal funding.

Priority Surface Transportation Projects	Project	Map ID #
Involving Other Funding Sources <sup>1</sup>	Cost <sup>2</sup>	
Alderwood Intersection @ Columbia Blvd.	\$5,527,534	1
82 <sup>nd</sup> Avenue/Airport Way Grade Separation	\$50,000,000	5
Swigert Way Extension	\$2,500,000	32
Graham Road	\$10,000,000	33
Troutdale Interchange (Exit 17) Improvements	\$16,072,842	37
Sundial Road Improvements	\$3,200,000	38
Time Oil Road Reconstruction	\$9,000,000	24
40 Mile Loop Trail: Blue Lake Park to Sundial Rd.	\$2,588,232	36
Intelligent Transportation System (ITS) Improvements	\$3,480,000	2,15, 27

Notes: 1. Projects are not listed in order of priority and generally do not include aviation or non-rail marine terminal capital projects.

2. Refer to Priority Reports for funding break-out.

For priority marine terminal and aviation capital projects, the following criteria determine which projects have been considered for cooperative funding:

- 1. The project improves operation of Port terminals or airports and is critical to Port strategic development in the next ten years.
- The project provides significant economic benefit to the region and state by a) improving market access for all terminal or airport users, or b) improving the operation of port tenant facilities that provide a significant number of jobs.

These projects are consistent with the Port's adopted budget and long term capital forecast.

Port Priority Marine Terminal Projects Involving Other Funding Sources <sup>1</sup>	Project Cost <sup>2</sup>	Map ID#
Terminal 6 Container Crane Modernization	\$3,634,260	10
Terminal 6 Stormwater Improvements	\$5,000,000	16
Terminal 4 Pier 1 Site Preparation	\$12,000,000	18
Berth Deepening at T2 and T4	\$3,000,000	19
Terminal 6 Wharf Optimization	\$1,500,000	22
Columbia River Jetty Refurbishment	\$75,000,000	23
Terminal 6 Crane Drive Electronics	\$2,000,000	11

Notes: 1. Projects are not listed in order of priority.

2. Refer to Priority Reports for funding break-out.

Priority Aviation Projects Involving Other Funding Sources <sup>1</sup>	Project Cost <sup>2</sup>	Map ID#
HIO Relocate Charlie Pattern Landing Site	\$1,433,100	7
HIO Construct East Access Road	\$1,886,560	8
HIO Relocate Taxiway AA	\$4,700,000	9
TTD Reconstruct Runway 7-25	\$12,534,000	34
TTD Rehabilitate Taxiway A	\$5,000,000	35

Notes: 1. Projects are not listed in order of priority.

2. Refer to Priority Reports for funding break-out.

#### **PROJECT REPORTS AND MAPS**

The following pages contain a list of all projects, followed by maps of project locations and individual project reports. The first map and group of reports are for *priority projects* in all locations. Following the priority projects are the other projects by area, along with area maps. It should be noted that the area maps include both priority and non-priority projects. The project reports include such details as a brief description, purpose, funding information, cost estimate rating, time frame, and strategic alignment.

#### Acronym Key:

PIC	Portland International Center
PDX	Portland International Airport
WHI	West Hayden Island
TRIP	Troutdale Reynolds Industrial Park
TTD	Troutdale Airport
HIO	Hillsboro Airport
GVBP	Gresham Vista Business Park

#### Time Frame:

Projects identified in the PTIP are shown as occurring in the 5, 10, or 20-year time frames. Projects within the 5-year time frame are expected to occur within the next five years. Projects within the 10-year time frame are expected to occur between five and ten years from the time of PTIP adoption. Similarly, projects within the 20-year time frame are expected to occur between 10 and 20 years from the time of PTIP adoption.

The time frames shown are estimates. The listing of a project in a given period does not ensure that it will be constructed in that time frame. Rather, projects will be constructed when transportation/business needs support them and when funding becomes available. For many projects, this need has already been identified. However, others depend on a variety of factors, including development at Port facilities and the changing challenges of the region's transportation system.

#### Port Strategic Plan Alignment

The mission of the Port is to enhance the region's economy and quality of life by providing efficient cargo and air passenger access to national and global markets.

Critical to the Port's effectiveness in implementing its mission are the following strategic areas of focus.

- Provide leadership around regional transportation infrastructure
- Retain and grow key services (Aviation and Marine)
- Be a regional leader in industrial land acquisition and development
- Implement a Portwide environmental strategy that supports the Port's requirements, generates savings and maintains/builds regional credibility as an environmental steward
- Build a sustainable financial model
- Strengthen the Port's culture as a strategic asset

The project reports identify which of the strategic areas of focus the projects most closely align with. The first four areas of focus identified above are the primary categories of alignment. The following abbreviations of the above strategies are included in the project reports.

- Regional Leadership in Transportation
- Retain and Grow Key Services
- Regional Leadership in Industrial Lands
- Portwide Environmental Strategy

#### **Cost Estimate Rating**

When applicable, the project reports shown in the PTIP contain cost estimate ratings. The purpose of the rating is to provide those using the estimates with a qualitative measure of its precision for a project. Since the precision of an estimate is a function of the clarity of project scope (scope accuracy) and the level of effort expended to produce the desired estimate (engineering effort), the rating scale is designed to reflect both of these factors. Below are the definitions of each of these categories.

<u>Scope Accuracy</u>	
Level 1	Project scope is defined.
Level 2	<b>Project scope is conceptual.</b> Scope lacks detail due to potential permit requirements; unknown project conditions; limited knowledge of external impacts.
Level 3	Project scope has limited detail.
Engineering Effort	
Level A	Preliminary engineering has been performed. Technical information is available, engineering calculations have been performed; clear understanding of the materials size and quantity needed to execute the job. Schedule is understood; staff and permitting is fairly clear. Contingency generally ranges between 15% and 20%.
Level B	<b>Conceptual engineering has been</b> <b>performed.</b> Technical information is available, rough engineering calculations may have been performed, or similar information from previous similar work is compared and used. Contingency generally ranges between 20% and 30%.
Level C	<b>No engineering has been performed.</b> Limited technical information is available and/or limited analysis has been performed. Contingency generally ranges between 40% and 50%.

Note: Projects that are the responsibility of a private entity or are the responsibility of another agency generally are not given cost estimate ratings. The costs listed are for the year the estimate was done. Due to cost escalation and other factors the projected costs will vary over time.

# PTIP MASTER PROJECT LIST

			_	Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
1	Alderwood and Columbia Blvd. Intersection	Widen and signalize intersection on Columbia Boulevard at Alderwood Rd.	Provide transportation link to the cargo area located within the south airport area and to support Columbia Corridor freight movement.	5	\$5,527,534		PDX/PIC
2	PDX ITS - AVI Technology	Automated Vehicle Identification Technology	Implement automated vehicle identification system at PDX to improve airport operations, commercial roadway operations and parking shuttle bus management.	5	\$5,116,000		PDX/PIC
3	PDX Northside Redevelopment	Construct a new apron for business aviation. Add Remain Overnight Parking.	Provide overnight parking for commercial jets and improve a new apron for business aviation.	5	\$5,800,000		PDX/PIC
4	PIC Ped/Bike Network	Construct bike and pedestrian facilities as shown in the CS/PIC Plan District.	Improve bike/ped circulation in PIC.	10	\$1,163,835	✓	PDX/PIC
5	82nd Ave./Airport Way Grade Separation	Construct grade-separated overcrossing.	Provide efficient movement of traffic to PDX properties.	10	\$50,000,000	✓	PDX/PIC
6	Cornfoot Road Multimodal Safety Improvements	Provide a separated multi-use path on the north side of NE Cornfoot Road.	Increase safety and provide improved bicycle and pedestrian access along NE Cornfoot Road.	5	\$3,626,000		PDX/PIC

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
7	HIO Relocate Charlie Pattern Landing Site	Construct a new landing site for helicopters that use the Charlie flight pattern at HIO.	Serve helicopter training operations, and avoid operations over noise sensitive residential zones.	5	\$391,000		Hillsboro
8	HIO Construct East Access Road	Construct a new public access point and tenant utilities on the east side of runway 12L/30R at HIO.	Future tenant development will require landside infrastructure to support its operation.	5	\$1,886,560		Hillsboro
9	HIO Relocate Taxiway AA	Relocate a new taxiway AA.	Replace existing taxiway AA with a new taxiway with the appropriate design separation from taxiway A. Construct a perimeter road extension between taxiway AA and existing tenant ramps.	5	\$4,700,000		Hillsboro
10	Terminal 6 Container Crane Modernizations	The project will increase operating efficiencies and improve safety on Cranes 6373, 6374, 6375, and 6379.	The project will increase the reliability of cargo handling equipment, and provide more reliable service to customers.	5	\$3,634,260		Rivergate
11	Terminal 6 Crane Drive Electronics	Crane management system upgrades for Cranes 6373 and 6374.	Improve operational efficiencies for the container cranes.	5	\$2,000,000		Rivergate
12	T6 Crane Drives for Cranes 6380 and 6381	Crane management system upgrades for Cranes 6380 and 6381.	Improve operational efficiencies for the container cranes.	5	\$2,000,000		Rivergate
13	Barnes to Terminal 4 Rail	Provide a new track from Barnes Yard to Terminal 4.	Improve rail access to Terminal 4.	5	\$4,543,000	✓	Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
14	Kenton Rail Line Upgrade	Upgrade existing track to second main track with new double track from Peninsula Junction to I-205 and increase track speeds between North Portland, Peninsula Junction, to Reynolds on UP's Kenton Line. Part of triangle project with ODOT.	Expand rail capacity and reduce delays for greater efficiency.	10	\$25,382,000		Rivergate
15	Rivergate ITS	Intelligent Transportation System in Rivergate.	Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway ITC systems.	5	\$480,000		Rivergate
16	Terminal 6 Stormwater System	Design and construct a stormwater system.	The project will modernize the storm drainage system in the container yard.	5	\$5,000,000		Rivergate
17	Auto Import /Export Expansion	The project will construct site improvements to expand the storage and processing capacity for auto imports and exports through Berth 601 at Terminal 6. By increasing the storage and processing capacity, the Berth 601 auto facility can increase throughpu	Increase the storage and processing capacity for auto imports and exports through Berth 601, thereby allowing for an increase of volumes, leading to increased employment.	5	\$14,000,000		Rivergate
18	Terminal 4 Pier 1 Site Preparation	Demolish various structures and improve certain infrastructure features in the Pier 1 area of Terminal 4.	This project will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in the Portland Harbor.	5	\$12,000,000		Rivergate

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
19	Berth Deepening at T2 and T4	Deepen berths at Terminals 2 and 4 to allow deeper draft vessels to transit the planned 43 foot channel.	Allow better utilization of Panamax-class bulk vessels.	5	\$2,000,000		Rivergate
20	T5 Berth 503 Terminal Expansion	Construct a fourth rail loop, second dumper pit, storage building, shiploader and berth improvements at Terminal 5 potash export facility.	The project will increase the throughput capacity of the facility.	5	\$150,000,000		Rivergate
21	Terminal 5 Entrance Road	Provide improvements on the south side of the roadway as well as rail crossing improvements.	The project will address increased traffic needs.	5	\$1,200,000		Rivergate
22	Terminal 6 Wharf Optimization	Crane management system upgrades for Crane 6375. Crane travel improvements for Cranes 6380 and 6381.	Improve operational efficiencies for the container cranes.	5	\$1,500,000		Rivergate
23	Columbia River Mouth Jetty Refurbishment	Refurbish and repair the north and south jetties at the mouth of the Columbia River.	This is a critical repair of the jetties at the Columbia River Bar.	5	\$75,000,000		Rivergate
24	Time Oil Road Reconstruction	Reconstruct Time Oil Road.	Provide improved access to South Rivergate industrial area.	10	\$9,000,000		Rivergate
25	Rivergate Boulevard Overcrossing	Grade Separate South Rivergate Lead at Rivergate Blvd.	Improve rail and vehicle traffic flow in Rivergate Industrial District.	10	\$14,200,000	✓	Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
26	Terminal 2 Crane Upgrades	The project will modify and upgrade Cranes 2371 and 2372, located at Terminal 2. The improvements will increase the suitability and efficiency of the crane to handle bulk cargoes.	The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes.	5	\$2,300,000	V	T2/Swan Island
27	PSU ITS Expansion	Expand PSU's existing web based ITS "count sensor" program beyond the freeway to some key arterials throughout the region and create a repository of regional freight data.	To secure truck flow and congestion data.	5			T2/Swan Island
28	Terminal 2 Rail Improvement	Add approximately 600 feet to the inner track (Track 10) and connect it with the outer loop (Track 15). A third track may also be constructed and a rail scaling station added in addition to stormwater improvements to the dock.	Increase rail capacity and operating efficiencies at Terminal 2.	5	\$2,200,000		T2/Swan Island
29	Dredge Oregon Pipe, Scows and Pontoons	Acquire 2,000 feet of dredge pipe, pontoons, anchor scows and anchors.	Allow Dredge Oregon to make full use of recent repower and pump material 14,000 feet.	5	\$10,200,000		T2/Swan Island
30	New Dredge Tender	Replace the existing vintage tugboat W.L. Williams with a newly constructed modern work-boat vessel.	Improve operational support for Dredge Oregon dredging operations and improve environmental performance	5	\$6,000,000		T2/Swan Island
31	T2 Crane Drives for Cranes 2371 and 2372	Crane management system upgrades for Cranes 2371 and 2372.	Improve operational efficiencies for the cargo handling cranes.	5	\$2,000,000		T2/Swan Island

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
32	Swigert Way Extension	Extend Swigert Way from it existing terminus to Graham Road.	Improve access to Troutdale Reynolds Industrial Park.	5	\$2,500,000	✓	East County
33	Graham Road	Reconstruct and/or widen Graham Road along Troutdale Reynolds Industrial Park frontage.	Improve access to Troutdale Reynolds Industrial Park Phase 2.	5	\$10,000,000		East County
34	TTD Reconstruct runway 7- 25	Reconstruct existing 150' x 5400' runway; narrow to 75' wide, relocated/reconstruct edge lighting, construct required drainage improvements.	Project identified in 2004 TTD Master Plan.	5	\$12,534,000		East County
35	TTD Rehabilitate Taxiway A	Rehabilitation of full-length parallel taxiway A including lighting and markings.	Project recommended in 2004 Master Plan and verified by Port assessment of pavement condition and expected remaining life.	5	\$10,100,000		East County
36	40 Mile Loop Trail: Blue Lake Park to Sundial Rd.	Construct a mixed use off road trail connecting Blue Lake Park and Sundial Road.	Combined with the Port's Reynolds levee trail it will complete gaps in the 40 Mile Loop Trail.	5	\$3,424,073		East County
37	Troutdale Interchange (Exit 17) Improvements	Convert Marine Drive one-way southbound to two-way under I-84 and widen to five lanes. Widen South Frontage Rd. and provide associated improvements.	Ensure adequate long term interchange operation and improve access to north industrial area.	5	\$16,072,842		East County
38	Sundial Road Improvements	Widen Sundial north of Swigert Way .	Accommodate Troutdale Reynolds Industrial Park and other traffic.	5	\$3,200,000		East County

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
39	Reynolds Site Road Access Phase 3	Road improvements to serve Phase 3 industrial development. Actual project will be developed in coordination with stakeholders.	Address off-site transportation impacts.	10			East County
40	Columbia Blvd. Improvements at MLK	Construct right turn lane on Columbia at MLK.	Improve connectivity for freight traffic between Columbia Blvd. and Rivergate.	5	\$3,359,259		PDX/PIC
41	I-5/Columbia Blvd. Improvement	Construct a full interchange at Columbia Blvd. or the functional equivalent. Includes three projects Delta Park Phase II and III and Argyle on the Hill.	Improve connections between Columbia Blvd. and I- 5 for trucks.	10	\$51,773,032		PDX/PIC
42	Columbia Blvd./I-205 SB On Ramp Improvement	Expand the on-ramp to three lanes, including for truck/HOV.	Increase the capacity of the I- 205 SB on-ramp at Columbia Blvd.	5	\$11,200,000		PDX/PIC
43	11th/13th (at Columbia Blvd.): Crossing Elimination	If feasible, eliminate the at-grade crossing and improve alternate roadway access.	Improve Kenton Mainline operation and eliminate a modal conflict.	5	\$1,000,000		PDX/PIC
44	Columbia Blvd. Widening (82nd Ave 60th Ave.)	Widen Columbia Blvd. to five lanes.	Address system bottleneck along Columbia Blvd.	20	\$15,000,000		PDX/PIC
45	PDX Transportation Demand Management (TDM)	Implement strategies at PDX and PIC properties that reduce auto trips in the airport area. Programs to be undertaken with other area businesses/developers to maximize effectiveness; possible administration through a transportation management association.	Fulfill TDM requirements of PDX Master Plan. Implement TDM projects and programs recommended in the PDX Alternative Modes Study.	5			PDX/PIC

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
46	I-205 Auxiliary Lane NB	New auxiliary lane from I-84 to I-205 NB before Columbia Blvd.	Provide additional capacity for anticipated growth in area traffic.	20	\$5,775,000		PDX/PIC
47	SW Quad Access	Provide street access from 33rd Ave. into SW Quad.	Provide efficient movement of traffic to developing PDX properties.	10	\$5,917,500		PDX/PIC
48	Airport Way Braided Ramps	Construct braided ramps between the I- 205 interchange and Cascade Interchange.	Maintain safety and capacity of Airport Way and interchanges.	20	\$59,000,000		PDX/PIC
49	Alternative Fuels Station	Construct a PDX alternative fuels station.	Provide refueling capabilities for both landside (public) CNG vehicles. Encourage airport businesses to convert fleets to CNG to improve air quality.	5	\$1,000,000		PDX/PIC
50	SW Quad Drainage Improvements	Drainage improvements in SW Quad through modifications to the existing drainage channels and increasing the capacity of the Broadmoor Pump Station.	Provide additional capacity for anticipated growth in airport traffic.	5	\$1,250,000		PDX/PIC
51	Widen APW Outbound East of 82nd	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	10	\$3,335,000		PDX/PIC
52	Deplaning Curbside Roadway Lanes	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$2,976,000		PDX/PIC

Man ID	Project Name	Project Description	Purnose	Time Frame (Years)	Total Cost	Priority	Area Man
			1 41 4030	(Tears)	Total Cost	Thomey	Alca Map
53	Deplaning Curbside Roadway Loading	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$324,000		PDX/PIC
54	Airport Way Westbound Approaching Return Road	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$1,080,000		PDX/PIC
55	Terminal Exit Roadway at P. O. Curves	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	10	\$1,500,000		PDX/PIC
56	Terminal Exit Roadway at Parking Plaza	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$1,104,000		PDX/PIC
57	Mitigation Land Bank	Plan for, purchase, and develop a site for use as a mitigation bank.	Provide a site for environmental mitigation for Port transportation and other development projects.	5			PDX/PIC
58	33rd Avenue/Marine Drive Intersection Improvements	Signalize the intersection of NE 33rd Avenue and Marine Drive.	Improve safety and access for 33rd Avenue. May incorporate bike and ped facilities as well.	5	\$5,760,643		PDX/PIC
59	Alderwood Street Bikeway	Provide Bike Lanes on Alderwood Road between Columbia Blvd. and the Alderwood Trail	Improve safety and provide better separation from motor vehcile traffic.	5	\$561,200		PDX/PIC

					Time Frame				
_	Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map	
	60	Brookwood Parkway/Hwy 26 Interchange Improvements	Construct a new westbound to southbound loop ramp at the interchange to serve Brookwood Parkway. Realign and relocate nearby local roads.	Improve access to HIO and area industry.	5	\$45,000,000		Hillsboro	
	61	HIO Wash Racks	Construct new wash racks for tenant and itinerant aircraft washing with pollution control system to keep wash water out of storm system.	Improve environmental performance at the airport.	5	\$620,100		Hillsboro	
	62	HIO Taxiway to NW Corporate Center	Construct a taxiway to serve new tenant leasehold development.	New tenant development in the area behind the HIO ATCT will require airside infrastructure.	5	\$1,050,000		Hillsboro	
	63	Cathedral Park Quiet Zone	Address rail switching noise by improving multiple public rail crossings in the St. Johns Cathedral Park area.	To allow auto import operations to continue to grow in N. Portland and improve neighborhood livability.	5	\$8,200,000		Rivergate	
	64	North Portland Junction	Upgrade railroad with revised crossovers, centralized traffic control tie-in and increased turning radius.	Accommodate higher rail speeds at the junction which provides greater capacity.	10	\$9,160,000		Rivergate	
	65	I-5 Columbia River Crossing	Increase the number of lanes and add transit capacity across the river.	Increase multi-modal capacity across the Columbia River and relieve congestion.	10	\$2,982,000,000		Rivergate	
	66	N. Hayden Island Drive	Reconstruct N. Hayden Island Drive.	Provide improved access to West Hayden Island.	10	\$12,000,000		Rivergate	

Man ID	Project Name	Project Description	Purposo	Time Frame	Total Cost	Priority	Area Man
	Project Name		ruipose	(Tears)	Total Cost	Fliolity	Alea Map
67	West Hayden Island Rail Access	Rail access to support West Hayden Island development.	Advance rail-dependent development.	20	\$3,000,000		Rivergate
68	West Hayden Island Rail Yard	Seven track rail yard connected to facility trackage.	Advance rail development on West Hayden Island.	20	\$9,500,000		Rivergate
69	West Hayden Island Interior Access Road	Construct interior roadway including rail overpass and berth access.	Provide roadway for new West Hayden Island terminal.	10	\$13,600,000		Rivergate
70	St. Johns Pedestrian District	Improvements could include restriping, curb extensions and other pedestrian and bicycle amenities on Lombard St. that do not impede truck movement, as well as intersection improvements and signalization.	Maintain truck movement and minimize conflicts with bicycles and pedestrians between Philadelphia Ave. and Lombard St. at Pier Park.	5	\$3,346,000		Rivergate
71	Burgard Bridge Replacement	Upgrade structure.	Replace the bridge with a slab on grade to eliminate weight restrictions.	5	\$1,445,000		Rivergate
72	Columbia Blvd./Portland Rd. Intersection Improvements	Redesign could include realignment of travel lanes, channelization, signalization, signing or new sidewalks and curbs.	Reinforce through truck movements on minor and major truck streets (Portland Rd. and Columbia Blvd. respectively), minimizing neighborhood cut-through traffic.	5	\$1,214,000		Rivergate
73	North Burgard/Lombard Street Improvements	Widen Burgard to 3 Lanes with bike lanes and sidewalks from UPRR bridge to Columbia.	Improve freight mobility, safety and industrial site access.	5	\$14,588,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
74	Marine Dr. Improvement Phase 2	Construct rail overcrossing on Marine Dr.	Avoid road/rail conflict.	20	\$13,644,200		Rivergate
75	Willamette River Channel Deepening	Deepen the portions of the Willamette River with deep draft infrastructure to -43' where appropriate.	To allow Willamette River terminals to also benefit from the Columbia River's new controlling depth.	10	\$200,000,000		Rivergate
76	Terminal 6 Honda Rail Extension	Extend current rail yard in order to provide more capacity for current tenants.	Capacity improvements for current tenants.	10	\$1,000,000		Rivergate
77	Columbia River Anchorage Improvements	Placement of up to seven stern buoys at different anchorages up and down the Columbia River.	Allow for the anchorage of ships in the river rather than at terminals that could otherwise be loading/unloading cargo.	5	\$2,342,000		Rivergate
78	Terminal 6 Internal Overcrossing	Construct a rail overcrossing at Terminal 6.	Increase efficient movement for rail and Terminal 6 tenants.	5	\$3,649,084		Rivergate
79	T6 Second Entrance	Construct second entrance and rail overcrossing.	Improve capacity and safety at T6.	20	\$12,000,000		Rivergate
80	T6 Suttle Road Entrance	Construct access road from terminus of Suttle Road.	To support development of east end of T6.	20	\$3,000,000		Rivergate
81	T6 Development Project	This program includes Additional Scour Protection, T6 Entrance Overcrossing, Two New PPMX Cranes, Terminal Electrical Upgrades, Yard Gantry Cranes and 6,800' Arrival and 8,500' Departure Tracks.	This program is needed to upgrade the terminal to expand the capacity of the container terminal to 1 Million TEUs.	10	\$76,000,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
82	T4 B416 Lay Berth Improvements	This project will design, permit and install electrical equipment upgrades necessary to allow vessels to lay berth at B416	The project is needed to allow vessels to lay berth at B416. This will help the Port retain and grow key services and to be a leader in transportation infrastructure.	5	\$500,000		Rivergate
83	T4 Stormwater Improvements	Install stormwater improvements including control equipment such as dust filtering equipment for the warehouses and/or various types of stormwater filtering or treatment mechanisms.	Implement capital projects identified during stormwater master planning process. The improvements will be needed in order to comply with new environmental permits and water quality regulations.	5	\$4,100,000		Rivergate
84	Terminal 4 Automobile Yard Expansion	Design and construct six acres of porous pavement parking for the storage of imported automobiles.	The project will provide additional land to meet auto storage capacity needs of Toyota, supporting the Port's automobile import business line.	10	\$3,000,000		Rivergate
85	BNSF Fallbridge Double Tracking	Double Track Fallbridge line to Washougal.	Increases capacity of the BNSF east-west mainline serving Port of Portland.	10	\$72,000,000		Rivergate
86	Terminal 4 Grain Elevator Demolition	Demolish the Terminal 4 grain elevator.	Demolition of the elevator will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in the Portland Harbor.	10	\$8,000,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
87	T4 Berth 410, 411 Rail Yard Improvements	Construct additional rail track in the Berth 410 and 411 Rail Yard.	Improve the efficiency of the rail yard by creating additional rail capacity.	5	\$1,529,000		Rivergate
88	T4 Berth 405 and 408 Demolition	Demolish Berth 405 and Berth 408.	Remove obsolete berth structures.	5	\$18,747,222		Rivergate
89	Bonneville Rail Yard Build Out	Construct two interior yard tracks and complete the double track lead from the wye at the east end of the yard to Barnes Yard.	Add rail staging capacity for South Rivergate.	10	\$3,600,000		Rivergate
90	Ramsey Yard Utilization	Connect existing set out track with industrial lead.	Improve unit train staging capabilities at Ramsey Rail Yard.	10	\$1,700,000		Rivergate
91	Columbia River Underkeel Clearance Study	Underkeel clearance study for ships moving between the Columbia Bar and Portland.	Understand vessel underclearance in Columbia River to optimize safety and payload.	5	\$1,319,000		Rivergate
92	North Willamette Greenway Trail	Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money associated for this project is for a study only.	Improve pedestrian and bicycle connectivity in North Portland. Coordinate implementation with the City of Portland.	20	\$500,000		T2/Swan Island
93	Graham Line Connection	This project will create a new track connection between the Graham Line, which runs parallel with I-84 through Sullivan's Gulch and the Brooklyn Sub, UP's north-south line through Portland.	This connection will allow UP rail traffic entering Portland from the east to turn south onto the Brooklyn Sub from the Graham Line. This project will eliminate delay and increase system capacity.	5	\$15,000,000		T2/Swan Island

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
94	Terminal 2 Stormwater Improvements	Stormwater improvements.	Enhance marketability, service and environmental performance for cargo opportunities at T-2.	5	\$1,500,000		T2/Swan Island
95	T2 Storage Building Improvements	This project upgrades the existing warehouse buildings to allow for the storage of bulk cargos such as pulp.	This project is needed to upgrade the existing terminal to more efficiently handle bulk cargos.	5	\$1,000,000		T2/Swan Island
96	Portland Terminal Railroad Power Switches	Install Dispatcher Controlled Power Switches between Lake Yard and Terminal 2.	Will reduce time it takes for trains to travel from Lake Yard to Terminal 2, reducing blockage of mainline.	5	\$10,805,000		T2/Swan Island
97	T2 Track Reconfiguration and Siding	Construct rail loop and support siding.	Increase rail capacity at Terminal 2.	10	\$8,900,000		T2/Swan Island
98	Sandy Blvd. Widening to 4 lanes	Sandy Blvd. widen to 4 lanes and center turn lane (181st-202nd) with sidewalks and bike lanes.	Improve east west capacity and serve developing industrial property.	10	\$10,000,000		East County
99	Riverside Drive Extension	Riverside Dr. Extension (Riverside Parkway to Portal Way).	Serve developing industrial parcels.	5	\$10,975,110		East County
100	Sandy Blvd. Widening to 3 lanes	Sandy Blvd. widen to 3 lanes (207th to 238th), add sidewalks and bike lanes.	Improve east west capacity and serve adjacent developing industrial property.	10	\$7,438,000		East County
101	NE Hogan at NE Stark Street	Add right turn lanes on all approaches and second northbound and southbound left turn lanes.	Address intersection capacity affecting access to Gresham Vista Business Park.	5	\$1,908,431		East County

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
102	NE 223rd at Stark	Add eastbound and northbound right turn lanes and southbound left turn lanes.	Address intersection capacity affecting access to Gresham Vista Business Park.	5	\$1,196,756		East County
103	NE 238th Drive: Halsey to Glisan	Construct improvements for freight by modifying road curvature. Also adds improvements for bikes and pedestrians.	Will improve freight access to Gresham Vista Business Park.	5	\$9,769,340		East County
104	223rd Avenue Widening	Widen to three lanes between Halsey St and Marine Drive.	Upgrade the facility to major collector urban street standards.	5	\$3,667,000		East County

Port of Portland



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# Project Name: Alderwood and Columbia Blvd. Intersection

Map ID:	1 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$5,527,534
Project Type:	Road	Year of Cost Estimate	2013
<b>Operation Area</b>	PDX/PIC	Federal:	\$1 959 856
Project Description:	Widen and signalize intersection on Columbia Boulevard a Alderwood Rd.	t <u>State:</u>	φ4,303,000
		<u>City:</u>	
Purpose:	Provide transportation link to the cargo area located within	SDC:	
i uipoooi	the south airport area and to support Columbia Corridor freight movement.	Port Share Committed:	\$567,678
JDE NUM:	810020	Port Share Forecasted:	
RTP Related:	10336	Private:	
Recent Study:	Airport Futures Transportation Impact Study (2010)	Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
✓ RTP 2040 Constr	ained Identified in STIP		

# Project Name: PDX ITS - AVI Technology

Map ID:	2 Time Frame (Years): 5 years	Total Cost:	\$5,116,000
Project Type:	ITS	<u>Year of Cost</u> <u>Estimate:</u>	2010
<b>Operation Area</b>	PDX/PIC	Federal	
<b>Project Description:</b>	Automated Vehicle Identification Technology	<u>r ouorun</u>	
		<u>State:</u>	
		<u>City:</u>	
Purposo:	Implement outemated vahials identification system at DD	SDC:	
Fulpose.	to improve airport operations, commercial roadway operations and parking shuttle bus management.	^ <u>Port Share</u> <u>Committed:</u>	\$5,116,000
JDE NUM:	100680	Port Share Forecasted:	
RTP Related:	10370	Private:	
Recent Study:	PDX ITS Plan (2001)	Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$0
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 2b	
RTP 2040 Constr	ained Identified in STIP		

### Project Name: PDX Northside Redevelopment

Map ID:	3 Time Frame (Years): 5 year	s <u>Total Cost:</u>	\$5,800,000
Project Type:	Aviation	<u>Year of Cost</u> Estimate:	2013
<b>Operation Area</b>	PDX/PIC	Federal:	
Project Description:	Construct a new apron for business aviation. Add Re Overnight Parking.	emain <u>State:</u>	
		<u>City:</u>	
Purnose:	Provide overnight parking for commercial iete and im	SDC:	
i dipose.	new apron for business aviation.	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:	101460	<u>Port Share</u> Forecasted:	
RTP Related:	11650	Private:	
Recent Study:	Airport Futures	Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$5,800,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
✓ RTP 2040 Constr	ained Identified in STIP		

### Project Name: PIC Ped/Bike Network

Map ID:	4 Time Frame (Years): 10 years	<u>Total Cost:</u>	\$1,163,835
Project Type:	Bike/Ped	Year of Cost Estimate:	2007
<b>Operation Area</b>	PDX/PIC	Federal:	
Project Description:	Construct bike and pedestrian facilities as shown in the CS/PIC Plan District.	<u>State:</u>	
		<u>City:</u>	
Purnose.	Improve bike/ped circulation in PIC	SDC:	
i dipose.		<u>Port Share</u> Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:	10368	Private:	
Recent Study:	2014 Airport Bike and Pedestrian Master Plan	Other:	
Port Strategic Area:	Regional Leadership in Industrial Land	<u>Unfunded:</u>	\$1,163,835
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	ained Identified in STIP		

# Project Name: 82nd Ave./Airport Way Grade Separation

Map ID:	5 Time Frame (Years): 10 years	<u>Total Cost:</u>	\$50,000,000
Project Type:	Road	<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	PDX/PIC	Federal:	
Project Description:	Construct grade-separated overcrossing.	<u>State:</u>	
		<u>City:</u>	
Purpose:	Provide efficient movement of traffic to PDY properties	SDC:	
i dipooe.	r toride enicient movement of traine to r DA properties.	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:	101474	<u>Port Share</u> Forecasted:	\$40,000,000
RTP Related:	10362	Private:	
Recent Study:	Airport Futures Transportation Impact Study (2010)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$10,000,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
✓ RTP 2040 Constr	ained Identified in STIP		

# Project Name: Cornfoot Road Multimodal Safety Improvements

Map ID:	6 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$3,626,000
Project Type:	Bike/Ped	Year of Cost Estimate	2013
<b>Operation Area</b>	PDX/PIC	<u>Federal:</u>	
Project Description:	Provide a separated multi-use path on the north side of Cornfoot Road.	of NE <u>State:</u>	
		<u>City:</u>	
Purpose:	Increase safety and provide improved bicycle and	<u>SDC:</u>	
	pedestrian access along NE Cornfoot Road.	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:	10340	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	\$3,626,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

### Project Name: <u>HIO Relocate Charlie Pattern Landing Site</u>

Map ID:	7 Time Frame (Years): 5 years	Total Cost:	\$391,000
Project Type:	Aviation	<u>Year of Cost</u> Estimate:	2014
<b>Operation Area</b>	Hillsboro	Federal:	
Project Description:	Construct a new landing site for helicopters that use the Charlie flight pattern at HIO.	<u>State:</u>	
		<u>City:</u>	
Purnose:	Sonya belicanter training aparations, and avoid aparations	SDC:	
i dipose.	over noise sensitive residential zones.	<u>Port Share</u> Committed:	
JDE NUM:	101032	<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$391,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

### Project Name: HIO Construct East Access Road

Map ID:	8 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$1,886,560
Project Type:	Aviation	Year of Cost Estimate:	2008
<b>Operation Area</b>	Hillsboro	Federal:	
Project Description:	Construct a new public access point and tenant utilities of the east side of runway 12L/30R at HIO.	on <u>State:</u>	
		<u>City:</u>	
Purpose:	Future tenant development will require landside	SDC:	
	infrastructure to support its operation.	Port Share Committed:	
JDE NUM:	101235	Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$1,886,560
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

### Project Name: HIO Relocate Taxiway AA

Map ID:	9 Time Frame (Years): 5 years	Total Cost:	\$4,700,000
Project Type:	Aviation	<u>Year of Cost</u> Estimate:	2009
<b>Operation Area</b>	Hillsboro	Federal	
Project Description:	Relocate a new taxiway AA.	<u>State:</u>	
		<u>City:</u>	
Purpose:	Replace existing taxiway AA with a new taxiway with the	SDC:	
i dipose.	appropriate design separation from taxiway A. Construct a perimeter road extension between taxiway AA and existing tenant ramps.	Port Share Committed:	
JDE NUM:	101030	Port Share	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$4,700,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

### Project Name: Terminal 6 Container Crane Modernizations

Map ID:	10 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$3,634,260
Project Type:	Marine	<u>Year of Cost</u> Estimate:	2012
<b>Operation Area</b>	Rivergate	Federal:	
Project Description:	The project will increase operating efficiencies and improvisatety on Cranes 6373, 6374, 6375, and 6379.	e <u>State:</u>	\$2,9074,08
		<u>City:</u>	
Purpose:	The project will increase the reliability of cargo bandling	SDC:	
i diposoi	equipment, and provide more reliable service to customer	s. <u>Port Share</u> <u>Committed:</u>	\$726,852
JDE NUM:	700111	<u>Port Share</u> Forecasted:	
RTP Related:	11207	<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

### Project Name: <u>Terminal 6 Crane Drive Electronics</u>

Map ID:	11 <b>T</b> ii	me Frame (Years):	5 years	Total Cost:	\$2,000,000
Project Type:	Marine			Year of Cost Estimate:	2013
Operation Area	Rivergate			Federal:	
Project Description:	Crane manager 6374.	ment system upgrades for C	Cranes 6373 an	d <u>State:</u>	\$1,440,000
				<u>City:</u>	
Purpose:	Improve operational efficiencies for the container cranes		SDC:		
				<u>Port Share</u> <u>Committed:</u>	\$560,000
JDE NUM:	101740			<u>Port Share</u> Forecasted:	
RTP Related:	11207			Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grov	w Key Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Project		Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIP			

### Project Name: <u>T6 Crane Drives for Cranes 6380 and 6381</u>

Map ID:	12 <b>Tin</b>	ne Frame (Years):	5 years	<u>Total Cost:</u>	\$2,000,000
Project Type:	Marine			Year of Cost Estimate:	2014
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Crane managem 6381.	nent system upgrades for (	Cranes 6380 and	<u>State:</u>	
				<u>City:</u>	
Purpose:	Improve operational efficiencies for the container cranes		SDC:		
Fuipose. Improve operational efficiencies for the container cranes.			<u>Port Share</u> <u>Committed:</u>		
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	11207			Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grow	v Key Services		<u>Unfunded:</u>	\$2,000,000
✓ RTP 2040 Illustra	tive	<b>Conditioned Project</b>		Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIP			

# Project Name: Barnes to Terminal 4 Rail

Map ID:	13 Time Fr	ame (Years):	5	years	<u>Total Cost:</u>	\$4,543,000
Project Type:	Rail				<u>Year of Cost</u> Estimate:	2005
<b>Operation Area</b>	Rivergate				Federal:	
Project Description:	Provide a new track fro	m Barnes Yard to Te	ermin	al 4.	<u>State:</u>	
					<u>City:</u>	
Purpose:	Improve rail access to Terminal 4.			SDC:		
i uipoooi				<u>Port Share</u> <u>Committed:</u>		
JDE NUM:	100658				<u>Port Share</u> Forecasted:	
RTP Related:	11355				Private:	
Recent Study:	Marine Terminal Master	r Plan 2020 (2003)			Other:	
Port Strategic Area:	Regional Leadership in	Industrial Lands			<u>Unfunded:</u>	\$4,543,000
✓ RTP 2040 Illustra	tive Con	ditioned Project			Estimate Rating: 2b	
RTP 2040 Constr	ained Iden	tified in STIP				

# Project Name: Kenton Rail Line Upgrade

Map ID:	14 Time Frame (Years): 10 years	<u>Total Cost:</u>	\$25,382,000
Project Type:	Rail	Year of Cost Estimate:	2003
<b>Operation Area</b>	Rivergate	Federal:	
Project Description:	Upgrade existing track to second main track with new double track from Peninsula Junction to I-205 and increase	State:	
	track speeds between North Portland, Peninsula Junction, to Reynolds on UP's Kenton Line. Part of triangle project	<u>City:</u>	
	with ODOT.	SDC:	
Purpose:	Expand rail capacity and reduce delays for greater efficiency.	Port Share Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:	11356	Private:	
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$25,382,000
✓ RTP 2040 Illustra	tive Conditioned Project <u>E</u>	<u>stimate Rating:</u>	
✓ RTP 2040 Constr	ained <b>V</b> Identified in STIP		

# Project Name: Rivergate ITS

Map ID:	15 <b>Time Frame (Years)</b> :	5 years	Total Cost:	\$480,000
Project Type:	TS		<u>Year of Cost</u> <u>Estimate:</u>	2007
Operation Area	Rivergate		Federal:	
Project Description:	Intelligent Transportation System in River	gate.	<u>State:</u>	
Purpose:			<u>City:</u>	
	Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway ITC systems.		SDC:	
			Port Share Committed:	
JDE NUM:			Port Share Forecasted:	
<b>RTP Related:</b>	10373		Private:	
Recent Study:			Other:	
Port Strategic Area:	Regional Leadership in Transportation		Unfunded:	\$480,000
✓ RTP 2040 Illustra	tive Conditioned Project		Estimate Rating: 3c	
✓ RTP 2040 Constr	ained Identified in STIP			

### Project Name: Terminal 6 Stormwater System

Map ID:	16 <b>Time Frame (Years)</b> :	5 years	<u>Total Cost:</u>	\$5,000,000
Project Type:	Marine		Year of Cost Estimate:	2012
<b>Operation Area</b>	Rivergate		<u>Federal:</u>	
Project Description:	Design and construct a stormwater system.		State:	
Purpose:			<u>City:</u>	
	The project will modernize the storm drainage system in the	SDC:		
	container yard.		Port Share Committed:	
JDE NUM:	101653		<u>Port Share</u> Forecasted:	
RTP Related:			Private:	
Recent Study:			Other:	
Port Strategic Area:	Portwide Environmental Strategy		<u>Unfunded:</u>	\$5,000,000
RTP 2040 Illustra	tive Conditioned Project	<u>Es</u>	timate Rating:	
RTP 2040 Constr	ained Identified in STIP			
## Project Name: Auto Import /Export Expansion

Map ID:	17 Time Frame (Years): 5 years	Total Cost: \$14,000,000
Project Type:	Marine	Year of Cost Estimate: 2009
<b>Operation Area</b>	Rivergate	Federal:
Project Description:	The project will construct site improvements to expand the storage and processing capacity for auto imports and	<u>State:</u>
	exports through Berth 601 at Terminal 6. By increasing the storage and processing capacity, the Berth 601 auto facility	<u>City:</u>
_	can increase throughpu	<u>SDC:</u>
Purpose:	Increase the storage and processing capacity for auto imports and exports through Berth 601, thereby allowing for an increase of volumes, leading to increased employment.	Port Share Committed:
JDE NUM:	101764	Port Share Forecasted:
RTP Related:		Private:
Recent Study:		Other:
Port Strategic Area:	Retain and Grow Key Services	Unfunded: \$14,000,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 2b
RTP 2040 Constr	ained Identified in STIP	

# Project Name: <u>Terminal 4 Pier 1 Site Preparation</u>

Map ID:	18Time Frame (Years):5years	Total Cost:	\$12,000,000
Project Type:	Marine	<u>Year of Cost</u> Estimate:	2012
<b>Operation Area</b>	Rivergate	Federal:	
Project Description:	Demolish various structures and improve certain infrastructure features in the Pier 1 area of Terminal 4.	<u>State:</u>	
		<u>City:</u>	
Purpose:	This project will facilitate the redevelopment of	SDC:	
	approximately 30 acres of vital marine industrial property in the Portland Harbor.	<u>Port Share</u> Committed:	
JDE NUM:	101739	<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	11208	Private:	
Recent Study:	Terminal 4 Pier 1 Facility Plan (TEC Inc.)	Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	\$12,000,000
✓ RTP 2040 Illustra	tive Conditioned Project	<u>Estimate Rating:</u>	
RTP 2040 Constr	ained Identified in STIP		

## Project Name: Berth Deepening at T2 and T4

Map ID:	19 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$2,000,000
Project Type:	Marine	<u>Year of Cost</u> Estimate:	2012
<b>Operation Area</b>	Rivergate	Federal:	
Project Description:	Deepen berths at Terminals 2 and 4 to allow deeper drawsels to transit the planned 43 foot channel.	aft <u>State:</u>	
		<u>City:</u>	
Purpose:	Allow better utilization of Panamax-class bulk vessels	SDC:	
	Anow better dunization of Fundmax order bank version.	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:	100863	<u>Port Share</u> Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$2,000,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

#### Project Name: <u>T5 Berth 503 Terminal Expansion</u>

Map ID:	20 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$150,000,000
Project Type:	Rail	Year of Cost	
<b>Operation Area</b>	Rivergate	Estimate:	
Project Description:		Federal:	
Project Description.	building, shiploader and berth improvements at Terminal 5	State:	
	potash export facility.	<u>City:</u>	
Purpose:	The project will increase the throughout capacity of the	<u>SDC:</u>	
	facility.	Port Share	
		Committed:	
JDE NUM:	101763	Port Share Forecasted:	
RTP Related:		<u>r orecastea.</u>	
<b>D</b>		Private:	\$150,000,000
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: उ	0
RTP 2040 Constr	ained Identified in STIP		

# Project Name: Terminal 5 Entrance Road

Map ID:	21 Time Frame (Years): 5	years <u>Total Cost:</u>	\$1,200,000
Project Type:	Road	<u>Year of Cost</u> <u>Estimate:</u>	2011
<b>Operation Area</b>	Rivergate	Federal:	
Project Description:	Provide improvements on the south side of the well as rail crossing improvements.	roadway as <u>State:</u>	
		<u>City:</u>	
Purpose:	The project will address increased traffic needs	<u>SDC:</u>	
i uipooe.	The project will address increased trainc needs.	Port Share Committed:	
JDE NUM:	101716	<u>Port Share</u> Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$1,200,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	ained Identified in STIP		

#### Project Name: Terminal 6 Wharf Optimization

Map ID:	22 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$1,500,000
Project Type:	Marine	<u>Year of Cost</u> Estimate:	2011
<b>Operation Area</b>	Rivergate	<u>Federal:</u>	
Project Description:	Crane management system upgrades for Crane 6375. Crane travel improvements for Cranes 6380 and 6381.	State:	\$1,200,000
		<u>City:</u>	
Purpose:	Improve operational efficiencies for the container cranes	<u>SDC:</u>	
		Port Share Committed:	\$300,000
JDE NUM:	101740	<u>Port Share</u> Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

## Project Name: Columbia River Mouth Jetty Refurbishment

Map ID:	23 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$75,000,000
Project Type:	Marine	<u>Year of Cost</u> <u>Estimate:</u>	2012
Operation Area	Rivergate	Federal:	
Project Description:	Refurbish and repair the north and south jetties at the mouth of the Columbia River.	State:	
		<u>City:</u>	
Purpose:	This is a critical repair of the jetties at the Columbia River Bar.	SDC:	
		<u>Port Share</u> Committed:	
JDE NUM:		Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$75,000,000
RTP 2040 Illustra	tive Conditioned Project <u>E</u>	<u>stimate Rating:</u>	
RTP 2040 Constr	ained Identified in STIP		

#### Project Name: Time Oil Road Reconstruction

Map ID:	24	Time Frame (Years):	10 years	<u>Total Cost:</u>	\$9,000,000
Project Type:	Road			<u>Year of Cost</u> Estimate:	2013
<b>Operation Area</b>	Rivergate			Federal:	
<b>Project Description:</b>	Reconstruct	Time Oil Road.		<u>- Stata</u>	
				<u>State:</u>	
				<u>City:</u>	
Purpose:	Provide improved access to South Rivergate industrial area		BDC:		
				Port Share Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	11654			Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Le	adership in Transportation		<u>Unfunded:</u>	\$9,000,000
✓ RTP 2040 Illustra	ative	Conditioned Project		Estimate Rating:	
✓ RTP 2040 Constr	rained	Identified in STIP			

## Project Name: Rivergate Boulevard Overcrossing

Map ID:	25 Time Frame (Years): 10 years	<u>Total Cost:</u>	\$14,200,000
Project Type:	Road	Year of Cost <u>Estimate:</u>	2011
<b>Operation Area</b>	Rivergate	Federal:	\$3 200 000
Project Description:	Grade Separate South Rivergate Lead at Rivergate Blv	rd. <u>State:</u>	<i>40,200,000</i>
		<u>City:</u>	
Purpose:	Improve rail and vehicle traffic flow in Rivergate Industr	ial	
District.		Port Share Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:	11659	Private:	
Recent Study:		<u>Other:</u>	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$11,000,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	ained Identified in STIP		

#### Project Name: <u>Terminal 2 Crane Upgrades</u>

Map ID:	26 Time Frame (Years): 5 years	Total Cost: \$2,300,000
Project Type:	Marine	Year of Cost Estimate: 2013
<b>Operation Area</b>	T2/Swan Island	Federal:
Project Description:	The project will modify and upgrade Cranes 2371 and 2372 located at Terminal 2. The improvements will increase the	<u>State:</u>
	suitability and efficiency of the crane to handle bulk cargoes	<sup>s.</sup> <u>City:</u>
Purpose:	The improvements will increase the suitability and efficiency	<u>SDC:</u>
i diposoi	of the cranes to handle bulk cargoes.	<u>Port Share</u> Committed:
JDE NUM:	101496	<u>Port Share</u> Forecasted:
RTP Related:	11649	Private:
Recent Study:		Other:
Port Strategic Area:	Retain and Grow Key Services	Unfunded: \$2,300,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 2b
✓ RTP 2040 Constr	ained Identified in STIP	

# Project Name: PSU ITS Expansion

Map ID:	27 <b>Tim</b>	ne Frame (Years):	5 years	<u>Total Cost:</u>
Project Type:	ITS			Year of Cost
<b>Operation Area</b>	T2/Swan Island			<u>Estimate.</u>
Project Description:	Expand PSU's exprogram beyond	kisting web based ITS "cour I the freeway to some key a	nt sensor" rterials	<u>State:</u>
	throughout the re freight data.	egion and create a reposito	ry of regional	<u>City:</u>
Purpose:	To secure truck f	low and concestion data		SDC:
				<u>Port Share</u> Committed:
JDE NUM:				<u>Port Share</u> Forecasted:
<b>RTP Related:</b>	10377			Private:
Recent Study:				Other:
Port Strategic Area:	Regional Leader	ship in Transportation		<u>Unfunded:</u>
✓ RTP 2040 Illustra	tive	Conditioned Project		Estimate Rating:
✓ RTP 2040 Constr	ained	Identified in STIP		

#### Project Name: Terminal 2 Rail Improvement

Map ID:	28 Time Frame (Years): 5 ye	ears <u>Total Cost:</u>	\$2,200,000
Project Type:	Rail	Year of Cost Estimate:	2013
<b>Operation Area</b>	T2/Swan Island	<u>Federal:</u>	
Project Description:	Add approximately 600 feet to the inner track (Trac connect it with the outer loop (Track 15). A third tra	ck 10) and <u>State:</u>	
	also be constructed and a rail scaling station add addition to stormwater improvements to the dock.	ed in <u>City:</u>	
Purpose:	Increase rail canacity and operating efficiencies at	Terminal	
	2.	Port Share Committed:	
JDE NUM:	101046	<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	11649	Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$2,200,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	ained Identified in STIP		

#### Project Name: Dredge Oregon Pipe, Scows and Pontoons

Map ID:	29 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$10,200,000
Project Type:	Marine	Year of Cost Estimate	2014
<b>Operation Area</b>	T2/Swan Island	Federal:	
Project Description:	Acquire 2,000 feet of dredge pipe, pontoons, anchor scow and anchors.	<sup>s</sup> <u>State:</u>	
		<u>City:</u>	
Purpose:	Allow Dredge Oregon to make full use of recent repower a	nd SDC:	
·	pump material 14,000 feet.	Port Share Committed:	
JDE NUM:	102271	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$10,200,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	rained Identified in STIP		

#### Project Name: New Dredge Tender

Map ID:	30 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$6,000,000
Project Type:	Marine	Year of Cost Estimate:	2014
<b>Operation Area</b>	T2/Swan Island	Federal:	
Project Description:	Replace the existing vintage tugboat W.L. Williams with a newly constructed modern work-boat vessel.	<u>State:</u>	
		<u>City:</u>	
Purnose	Improve operational support for Dradas Oregon dradaing	SDC:	
r urpose.	operations and improve environmental performance	<u>Port Share</u> Committed:	
JDE NUM:	101349	Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$6,000,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	ained Identified in STIP		

## Project Name: <u>T2 Crane Drives for Cranes 2371 and 2372</u>

Map ID:	31 1	Time Frame (Years):	5 years	<u>Total Cost:</u>	\$2,000,000
Project Type:	Marine			Year of Cost Estimate:	2014
Operation Area	T2/Swan Islar	nd		Federal:	
Project Description:	Crane manag 2372.	gement system upgrades for (	Cranes 2371 an	d <u>State:</u>	
				<u>City:</u>	
Purpose:	Improve operational efficiencies for the cargo handling		SDC:		
cranes.		<u>jo na ran i</u> g	<u>Port Share</u> Committed:		
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>				Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and G	irow Key Services		<u>Unfunded:</u>	\$2,000,000
RTP 2040 Illustra	ative	Conditioned Project		Estimate Rating:	
RTP 2040 Const	rained	Identified in STIP			

# Project Name: Swigert Way Extension

Map ID:	32 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$2,500,000
Project Type:	Road	Year of Cost Estimate:	2008
<b>Operation Area</b>	East County	Federal	
Project Description:	Extend Swigert Way from it existing terminus to Graham Road.	<u>State:</u>	\$2,220,000
		<u>City:</u>	
Purpose:	Improve access to Troutdale Reynolds Industrial Park	SDC:	
		Port Share Committed:	\$280,000
JDE NUM:	101633	<u>Port Share</u> Forecasted:	
RTP Related:	11231	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	ative Conditioned Project	Estimate Rating: 1a	
RTP 2040 Const	rained 🖌 Identified in STIP		

# Project Name: Graham Road

Map ID:	33 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$10,000,000
Project Type:	Road	<u>Year of Cost</u> Estimate:	2009
<b>Operation Area</b>	East County	Federal	
Project Description:	Reconstruct and/or widen Graham Road along Troutdale Reynolds Industrial Park frontage.	<u>State:</u>	\$8,880,000
		<u>City:</u>	
Purpose:	Improve access to Troutdale Revoolds Industrial Park Phase	SDC:	
	2.	Port Share Committed:	\$1,120,000
JDE NUM:	101633	Port Share Forecasted:	
<b>RTP Related:</b>	11232, 11130	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive Conditioned Project	<b>Estimate Rating:</b> 1a	
✓ RTP 2040 Constr	ained Identified in STIP		

#### Project Name: TTD Reconstruct runway 7-25

Map ID:	34Time Frame (Years):5 years	Total Cost:	\$12,534,000
Project Type:	Aviation	Year of Cost Estimate:	2010
<b>Operation Area</b>	East County	<u>Estimate.</u> Federal:	2010
Project Description:	Reconstruct existing 150' x 5400' runway; narrow to 75' w relocated/reconstruct edge lighting, construct required	ide, <u>State:</u>	
	drainage improvements.	<u>City:</u>	
Purpose:	Project identified in 2004 TTD Master Plan	SDC:	
i uipoooi		Port Share Committed:	
JDE NUM:	101039	<u>Port Share</u> Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$12,534,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

# Project Name: TTD Rehabilitate Taxiway A

Map ID:	35 Time Frame (Years): 5 ye	ears <u>Total Cost:</u>	\$10,100,000
Project Type:	Aviation	<u>Year of Cost</u> Estimate:	2010
<b>Operation Area</b>	East County	Federal:	
Project Description:	Rehabilitation of full-length parallel taxiway A inclu lighting and markings.	ding <u>State:</u>	
		<u>City:</u>	
Purnose:	Project recommended in 2004 Master Plan and ve	rified by	
i dipooe.	Port assessment of pavement condition and experimenting life.	cted <u>Port Share</u> <u>Committed:</u>	
JDE NUM:	101038	<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$10,100,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

# Project Name: <u>40 Mile Loop Trail: Blue Lake Park to Sundial Rd.</u>

Map ID:	36 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$3,424,073
Project Type:	Bike/Ped	Year of Cost Estimate	2014
<b>Operation Area</b>	East County	Federal:	\$3.072.421
Project Description:	Construct a mixed use off road trail connecting Blue Lake Park and Sundial Road.	State:	
		<u>City:</u>	\$88,604
Purpose:	Combined with the Port's Revnolds levee trail it will	SDC:	
i diposoi	complete gaps in the 40 Mile Loop Trail.	Port Share Committed:	\$263,048
JDE NUM:	102069	Port Share Forecasted	
<b>RTP Related:</b>	10408	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
✓ RTP 2040 Constr	ained Identified in STIP		

## Project Name: <u>Troutdale Interchange (Exit 17) Improvements</u>

Map ID:	37 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$16,072,842
Project Type:	Road	Year of Cost Estimate:	2007
<b>Operation Area</b>	East County	<u>Federal</u>	¢7 250 000
Project Description:	Convert Marine Drive one-way southbound to two-way under I-84 and widen to five lanes. Widen South Frontage	<u>State:</u>	\$8,822,842
	Rd. and provide associated improvements.	<u>City:</u>	
Burnoso:	Fraura adagusta long term interahanga aparetian and	SDC:	
<b>Furpose:</b> Ensure adequate long term interchange operation and improve access to north industrial area.		Port Share Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:	10863	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	ative Conditioned Project	Estimate Rating:	
✓ RTP 2040 Constr	rained		

# Project Name: Sundial Road Improvements

Map ID:	38 Time Frame (Years):	5 years	<u>Total Cost:</u>	\$3,200,000
Project Type:	Road		<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	East County		Federal	
Project Description:	Widen Sundial north of Swigert Way .		<u>State:</u>	\$2,900,000
			<u>City:</u>	
Purpose:	Accommodate Trautidale Paysolde Industrial Park and other		SDC:	
	traffic.		Port Share Committed:	\$300,000
JDE NUM:	101659		<u>Port Share</u> Forecasted:	
RTP Related:	11190		Private:	
Recent Study:			Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive Conditioned Project		<b>Estimate Rating:</b> 1a	
RTP 2040 Constr	ained 🛛 🖌 Identified in STIP			

# Project Name: <u>Reynolds Site Road Access Phase 3</u>

Map ID:	39 <b>Tim</b>	ne Frame (Years):	10 years	<u>Total Cost:</u>
Project Type:	Road			Year of Cost
<b>Operation Area</b>	East County			<u>Estimate.</u> Federal:
Project Description:	Road improveme development. Ac	ents to serve Phase 3 indu tual project will be develo	strial ped in	<u>State:</u>
	coordination with	i stakeholders.		<u>City:</u>
Purpose:	Address off-site ti	ransportation impacts		<u>SDC:</u>
				Port Share Committed:
JDE NUM:	100909			<u>Port Share</u> Forecasted:
<b>RTP Related:</b>	11231, 11232			Private:
Recent Study:				Other:
Port Strategic Area:	Regional Leaders	ship in Industrial Lands		<u>Unfunded:</u>
✓ RTP 2040 Illustra	tive	Conditioned Project		Estimate Rating:
✓ RTP 2040 Constr	ained 🗸	Identified in STIP		



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# Project Name: Columbia Blvd. Improvements at MLK

Map ID:	40 Time Fra	ame (Years):	5 years	Total Cost:	\$3,359,259
Project Type:	Road			Year of Cost Estimate:	2011
<b>Operation Area</b>	PDX/PIC			Federal:	\$3 014 263
Project Description:	Construct right turn lane	e on Columbia at ML	_K.	<u>State:</u>	\$0,011,200
				<u>City:</u>	\$230,541
Purpose:	<b>rpose:</b> Improve connectivity for freight traffic between Columbia Blvd. and Rivergate.		SDC:		
			Port Share Committed:	\$114,455	
JDE NUM:	810030			<u>Port Share</u> Forecasted:	
RTP Related:	10208			Private:	
Recent Study:	Columbia Corridor Tran	sportation Study (19	999)	Other:	
Port Strategic Area:	Regional Leadership in	Transportation		Unfunded:	
✓ RTP 2040 Illustra	tive	Conditioned Proj	ect	Estimate Rating:	
✓ RTP 2040 Constr	ained 🗸	Identified in STIP			

#### Project Name: 1-5/Columbia Blvd. Improvement

Map ID:	41 Time Fr	ame (Years):	10 years	Total Cost:	\$51,773,032
Project Type:	Road			Year of Cost Estimate:	2006
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	oject Description: Construct a full interchange at Columbia Blvd. or the functional equivalent. Includes three projects Delta Park				
	Phase II and III and Arg	gyle on the Hill.	<u>City:</u>		
Purpose:	Improve connections h	atwaan Calumbia P	lud and LE for	SDC:	
rupose.	trucks.		<u>Port Share</u> Committed:		
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	10219, 10874			Private:	
Recent Study:	I-5 Delta Park Environn	nental Assessment (	(2006)	<u>Other:</u>	
Port Strategic Area:	Regional Leadership ir	n Transportation		Unfunded:	\$51,773,032
✓ RTP 2040 Illustra	itive	Conditioned Pro	ject	<u>Estimate Rating:</u>	
✓ RTP 2040 Constr	ained 🗸	Identified in STIF	5		

## Project Name: Columbia Blvd./I-205 SB On Ramp Improvement

Map ID:	42 <b>T</b> i	me Fra	me (Years):	5 years	Total Cost:	\$11,200,000
Project Type:	Road				Year of Cost Estimate:	2007
<b>Operation Area</b>	PDX/PIC				Federal:	
Project Description:	Expand the on- truck/HOV.	ramp to th	hree lanes, includ	ing for	<u>State:</u>	
					<u>City:</u>	
Purpose:	Increase the capacity of the I-205 SB on-ramp at Columbia Blvd.				bia	
i dipoool					Port Share Committed:	
JDE NUM:					<u>Port Share</u> Forecasted:	
RTP Related:	11091				Private:	
Recent Study:	Colwood Golf C Analysis (2013)	Course Re	zone Transportati	ion Impact	Other:	
Port Strategic Area:	Retain and Gro	w Key Se	rvices		<u>Unfunded:</u>	\$11,200,000
✓ RTP 2040 Illustra	tive		Conditioned Pro	oject	Estimate Rating:	
✓ RTP 2040 Constr	ained		Identified in STII	Р		

# Project Name: <u>11th/13th (at Columbia Blvd.): Crossing Elimination</u>

Map ID:	43 Time Fram	ne (Years):	5 years	<u>Total Cost:</u>	\$1,000,000
Project Type:	Rail			<u>Year of Cost</u> <u>Estimate:</u>	2007
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	If feasible, eliminate the at- alternate roadway access.	-grade crossing an	d improve	<u>State:</u>	
				<u>City:</u>	
Purpose:	Improve Kenton Mainline c	operation and elimi	SDC:		
·	conflict.		<u>Port Share</u> Committed:		
JDE NUM:				<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	10334			Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Leadership in Tra	ansportation		Unfunded:	\$1,000,000
✓ RTP 2040 Illustra	tive 🗌 Co	onditioned Projec	rt <u>Es</u>	stimate Rating:	
✓ RTP 2040 Constr	ained Id	lentified in STIP			

## Project Name: Columbia Blvd. Widening (82nd Ave. - 60th Ave.)

Map ID:	44 <b>Time</b>	Frame (Years):	20 years	Total Cost:	\$15,000,000
Project Type:	Road			<u>Year of Cost</u> <u>Estimate:</u>	2003
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	Widen Columbia Blv	d. to five lanes.		<u>State:</u>	
				<u>City:</u>	
Purpose:	Address system bot	leneck along Columbi	a Blvd.	SDC:	
	,			<u>Port Share</u> <u>Committed:</u>	
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	10376			Private:	
Recent Study:	East Columbia-Lom Transportation Analy	oard Connector Study sis (2000)		Other:	
Port Strategic Area:	Regional Leadership	in Transportation		<u>Unfunded:</u>	\$15,000,000
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject	Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIF	2		

## Project Name: PDX Transportation Demand Management (TDM)

Map ID:	45 Time Frame	(Years):	5 years	<u>Total Cost:</u>
Project Type:	Other			Year of Cost
<b>Operation Area</b>	PDX/PIC			Endoral:
Project Description:	Implement strategies at PDX reduce auto trips in the airpo	and PIC proper ort area. Program	ties that ns to be	<u>State:</u>
	undertaken with other area b maximize effectiveness; pos	usinesses/devel sible administrat	opers to ion through a	<u>City:</u>
	transportation management	association.		SDC:
Purpose:	Fulfill TDM requirements of F TDM projects and programs Alternative Modes Study.	DX Master Plan. recommended i	Implement n the PDX	Port Share Committed:
JDE NUM:				Port Share Forecasted:
RTP Related:	10380			Private:
Recent Study:	PDX Employee TDM Program	n Study (2002)		Other:
Port Strategic Area:	Regional Leadership in Tran	sportation		<u>Unfunded:</u>
✓ RTP 2040 Illustra	tive 🗌 Cor	ditioned Proje	ct <u>Es</u> t	timate Rating:
RTP 2040 Constr	ained 🗌 Ider	ntified in STIP		

# Project Name: 1-205 Auxiliary Lane NB

Map ID:	46 Time F	rame (Years):	20 years	Total Cost:	\$5,775,000
Project Type:	Road			Year of Cost	
<b>Operation Area</b>	PDX/PIC			Estimate:	
Drainat Decerimtion.				<u>Federal:</u>	
Project Description:	New auxiliary lane fro Blvd.	m I-84 to I-205 NB be	efore Columbi	a <u>State:</u>	
				<u>City:</u>	
Purpose:	Provide additional ca	pacity for anticipated	a <u>SDC:</u>		
	traffic.		Port Share Committed:		
JDE NUM:	810022			<u>Port Share</u> Forecasted:	
RTP Related:	11398			Private:	
Recent Study:	Airport Area Transp. S	Study (1998)		Other:	
Port Strategic Area:	Regional Leadership	in Transportation		<u>Unfunded:</u>	\$5,775,000
✓ RTP 2040 Illustra	itive	Conditioned Pro	oject	Estimate Rating:	
RTP 2040 Constr	rained 🗸	Identified in STI	P		

# Project Name: <u>SW Quad Access</u>

Map ID:	47 <b>Time Frame (Years):</b> 10	years <u>Total Cost:</u>	\$5,917,500
Project Type:	Road	<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	PDX/PIC	Federal	
Project Description:	Provide street access from 33rd Ave. into SW Qu	lad.	
		<u>State:</u>	
		<u>City:</u>	
Purpose:	Provide efficient movement of traffic to developin	ng PDX	
	properties.	Port Share Committed:	
JDE NUM:	100757	<u>Port Share</u> Forecasted:	
RTP Related:	10363	Private:	
Recent Study:	PDX Conditional Use Master Plan (2003)	Other:	
Port Strategic Area:	Regional Leadership in Industrial Land	<u>Unfunded:</u>	\$5,917,500
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
✓ RTP 2040 Constr	ained Identified in STIP		

## Project Name: Airport Way Braided Ramps

Map ID:	48 <b>Time</b>	e Frame (Years):	20 years	Total Cost:	\$59,000,000
Project Type:	Road			<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	PDX/PIC			Federal:	
<b>Project Description:</b>	Construct braided	ramps between the I-20	5 interchange	e Stata	
	and Cascade Inter	change.		<u>State:</u>	
				<u>City:</u>	
Purpose:	Maintain safety an	d capacity of Airport Way	v and	SDC:	
·	interchanges.		Port Share Committed:		
JDE NUM:	101227			<u>Port Share</u> Forecasted:	
RTP Related:	10371			Private:	
Recent Study:	PDX Airport Way R	OW Concept (1999)		Other:	
Port Strategic Area:	Retain and Grow k	Key Services		Unfunded:	\$59,000,000
✓ RTP 2040 Illustra	ative	Conditioned Pro	ject	Estimate Rating: 3c	
RTP 2040 Constr	rained	Identified in STIF	כ		

## Project Name: Alternative Fuels Station

Map ID:	49 <b>Time</b>	e Frame (Years):	5 years	<u>Total Cost:</u>	\$1,000,000
Project Type:	Other			<u>Year of Cost</u> <u>Estimate:</u>	2001
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	Construct a PDX al	ternative fuels station.		<u>State:</u>	
				<u>City:</u>	
Purnose:	Provido refueling or	anabilition for both lands	SDC:		
i dipose.	CNG vehicles. Enc fleets to CNG to im	ourage airport businesse prove air quality.	es to convert	Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>				Private:	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Portwide Environm	ental Strategy		<u>Unfunded:</u>	\$1,000,000
RTP 2040 Illustra	tive	Conditioned Proj	ject	Estimate Rating: 3c	
RTP 2040 Constr	ained	Identified in STIP	)		

# Project Name: <u>SW Quad Drainage Improvements</u>

Map ID:	50 Time Fr	ame (Years):	5 years	Total Cost:	\$1,250,000
Project Type:	Other			Year of Cost	2008
<b>Operation Area</b>	PDX/PIC			<u>Estimate.</u>	2000
Project Description:	Drainage improvement	s in SW Quad throug	gh	<u>rederal.</u>	
	modifications to the exi	sting drainage chan	nels and	State:	
	increasing the capacity	of the broadmoor F	unp Station	<u>City:</u>	
Purpose:	Provide additional capa	al capacity for anticipated growth in		SDC:	
	airport traffic.		9.0	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:	101625			Port Share Forecasted:	\$1,250,000
RTP Related:				Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Leadership in	Industrial Land		<u>Unfunded:</u>	
RTP 2040 Illustra	itive	Conditioned Proj	ject	Estimate Rating: 3c	
RTP 2040 Constr	ained	Identified in STIP	<b>)</b>		

## Project Name: Widen APW Outbound East of 82nd

Map ID:	51 <b>Time</b>	Frame	e (Years):	10 years	Total Cost:	\$3,335,000
Project Type:	Road				Year of Cost Estimate:	2010
<b>Operation Area</b>	PDX/PIC				Federal:	
<b>Project Description:</b>	Add New Lane				<u>r cacran</u>	
					<u>State:</u>	
					<u>City:</u>	
Purpose:	Provide additional capacity for anticipated growth in passenger traffic.				SDC:	
					Port Share	
					<u>Committed:</u>	
JDE NUM:	101228				Port Share Forecasted:	\$3,335,000
<b>RTP Related:</b>					Private:	
Recent Study:		2010 M	laster Plan		<u>r rivate.</u>	
nooont otaayi	1 DX Alipoit 1 didice	es 2010 Master Flatt			<u>Other:</u>	
Port Strategic Area:	Retain and Grow Ke	ey Servic	ces		Unfunded:	
RTP 2040 Illustra	itive	Co	nditioned Pro	ject	Estimate Rating: 3c	
RTP 2040 Constr	rained	lde	entified in STIF	<b>b</b>		

## Project Name: Deplaning Curbside Roadway Lanes

Map ID:	52 <b>Time</b>	Frame (Years):	20 years	<u>Total Cost:</u>	\$2,976,000
Project Type:	Road			Year of Cost Estimate:	2010
<b>Operation Area</b>	PDX/PIC			<u>Federal</u>	
<b>Project Description:</b>	Add New Lane			<u>r cucrui.</u>	
				<u>State:</u>	
				<u>City:</u>	
Purpose:	Provide additional c	apacity for anticipated	l arowth in	SDC:	
	passenger traffic.	apacity 101 aniiotparoa	9.01.11	<u>Port Share</u> Committed:	
JDE NUM:	101466			<u>Port Share</u> Forecasted:	\$2,976,000
RTP Related:	11657			Private:	
Recent Study:	y: PDX Airport Futures 2010 Master Plan			Other:	
Port Strategic Area:	Retain and Grow Ke	y Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Pro	oject	Estimate Rating:	
RTP 2040 Constr	ained	Identified in STI	Р		

# Project Name: Deplaning Curbside Roadway Loading

Map ID:	53 Time F	rame (Years):	20 years	Total Cost:	\$324,000
Project Type:	Road			Year of Cost Estimate:	2010
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	Add New Lane			<u>Stata:</u>	
				<u>State.</u>	
				<u>City:</u>	
Purpose:	Provide additional canacity for anticinated growth in			<u>SDC:</u>	
	passenger traffic.		growin	Port Share Committed:	
JDE NUM:	101467			<u>Port Share</u> Forecasted:	\$324,000
RTP Related:	11657			Private:	
Recent Study:	PDX Airport Futures 2	010 Master Plan		Other:	
Port Strategic Area:	Retain and Grow Key	Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject	Estimate Rating:	
RTP 2040 Constr	ained	Identified in STI	P		

## Project Name: Airport Way Westbound Approaching Return Road

Map ID:	54 <b>Time</b>	Frame (Years):	20 years	<u>Total Cost:</u>	\$1,080,000
Project Type:	Road			<u>Year of Cost</u> Estimate:	2010
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	Add New Lane			<u>State:</u>	
				<u>City:</u>	
Burnose:				SDC:	
ruipose.	passenger traffic.	rovide additional capacity for anticipated growth in bassenger traffic.		<u>Port Share</u> Committed:	
JDE NUM:	101471			<u>Port Share</u> Forecasted:	\$1,080,000
RTP Related:	11656			Private:	
Recent Study:	PDX Airport Futures	s 2010 Master Plan		Other:	
Port Strategic Area:	Retain and Grow K	ey Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Pro	oject	Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIF	Р		

# Project Name: <u>Terminal Exit Roadway at P. O. Curves</u>

Map ID:	55 <b>Time F</b>	rame (Years):	10 years	Total Cost:	\$1,500,000
Project Type:	Road			<u>Year of Cost</u> <u>Estimate:</u>	2010
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	Add New Lane			<u>State:</u>	
	Provide additional capacity for anticipated growth in			<u>City:</u>	
Purpose:				SDC:	
	passenger traffic.	raffic.		<u>Port Share</u> Committed:	
JDE NUM:	101472			<u>Port Share</u> Forecasted:	\$1,500,000
RTP Related:	11655			Private:	
Recent Study:	PDX Airport Futures 2	010 Master Plan		Other:	
Port Strategic Area:	Retain and Grow Key	Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject	Estimate Rating:	
RTP 2040 Constr	ained	Identified in STIF	•		

## Project Name: Terminal Exit Roadway at Parking Plaza

Map ID:	56 <b>Time</b>	e Frame (Years):	20 years	Total Cost:	\$1,104,000
Project Type:	Road			Year of Cost Estimate:	2010
<b>Operation Area</b>	PDX/PIC			Federal:	
Project Description:	Add New Lane			<u>State:</u>	
				<u>City:</u>	
Burposo:				SDC:	
Fulpose.	passenger traffic.		growin in	<u>Port Share</u> Committed:	
JDE NUM:	101473			<u>Port Share</u> Forecasted:	\$1,104,000
RTP Related:	11655			Private:	
Recent Study:	PDX Airport Future	s 2010 Master Plan		Other:	
Port Strategic Area:	Retain and Grow k	Key Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject	Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STI	2		

#### Project Name: Mitigation Land Bank

Map ID:	57 <b>Time F</b>	rame (Years):	5 years	<u>Total Cost:</u>
Project Type:	Other			Year of Cost Estimate:
<b>Operation Area</b>	PDX/PIC			Eodoral:
Project Description:	Plan for, purchase, an mitigation bank.	d develop a site for u	se as a	<u>State:</u>
				<u>City:</u>
Purpose:	<b>Purpose:</b> Provide a site for environmental mitigation for Port transportation and other development projects.			<u>SDC:</u>
				<u>Port Share</u> <u>Committed:</u>
JDE NUM:				Port Share Forecasted:
<b>RTP Related:</b>				Private:
Recent Study:				<u>Other:</u>
Port Strategic Area:	Portwide Environment	al Strategy		<u>Unfunded:</u>
RTP 2040 Illustra	tive	Conditioned Proj	ect	Estimate Rating:
RTP 2040 Constr	ained	Identified in STIP		

# Project Name: <u>33rd Avenue/Marine Drive Intersection Improvements</u>

Map ID:	58 Time F	rame (Years):	5 years	Total Cost:	\$5,760,643
Project Type:	Road			Year of Cost	2013
<b>Operation Area</b>	PDX/PIC			<u>Estimate.</u>	2010
Project Description:				<u>rederal:</u>	
Project Description.	Drive.	ION OF INE 33rd Avenu	le and Marine	<u>State:</u>	
				<u>City:</u>	
Purpose:	Improve safety and access for 33rd Avenue. May incorporate bike and ped facilities as well.			SDC:	
				<u>Port Share</u> Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	10337			Private:	
Recent Study:	PDX Airport Futures 2	010 Master Plan		Other:	
Port Strategic Area:	Regional Leadership	in Transportation		<u>Unfunded:</u>	\$5,760,643
✓ RTP 2040 Illustra	ıtive 🗸	Conditioned Proj	ject	Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIP	)		

## Project Name: Alderwood Street Bikeway

Map ID:	59 Time Fram	e (Years): 5	years <u>Total Cost</u>	<u>\$561,200</u>
Project Type:	Bike/Ped		<u>Year of Cost</u> Estimate	2013
<b>Operation Area</b>	PDX/PIC		Federal	:
Project Description:	Provide Bike Lanes on Alde Columbia Blvd. and the Ald	erwood Road betwee derwood Trail	n <u>State</u>	<u>.</u>
			<u>City</u>	:
Purpose:	Improve safety and provide	e better separation fro	om motor	:
	vehcile traffic.		Port Share Committed	-
JDE NUM:			<u>Port Share</u> Forecasted	-
<b>RTP Related:</b>	10338		Private	- :
Recent Study:	2014 Airport Bike and Pede	estrian Master Plan	Other	<u>.</u>
Port Strategic Area:	Regional Leadership in Tra	Insportation	<u>Unfundec</u>	<b>1:</b> \$561,200
✓ RTP 2040 Illustra	tive 🗌 Co	onditioned Project	Estimate Rating	<u>I:</u>
✓ RTP 2040 Constr	ained 🗌 Ide	entified in STIP		



MAP: GIS PROGRAM OFFICE

# Project Name: Brookwood Parkway/Hwy 26 Interchange Improvements

Map ID:	60 Time Fra	ame (Years):	5 years	<u>Total Cost:</u>	\$45,000,000
Project Type:	Road			Year of Cost Estimate:	2009
<b>Operation Area</b>	Hillsboro			Federal:	
Project Description: Construct a new westbound to southbound loop ramp at the interchange to serve Brookwood Parkway. Realign and			State:	\$45,000,000	
	relocate nearby local roa	ads.		<u>City:</u>	
Purpose:	Improve access to HIO			SDC:	
				<u>Port Share</u> Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	11178			Private:	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Regional Leadership in	Transportation		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	ative	Conditioned Proj	ect <u>Es</u>	<u>stimate Rating:</u>	
RTP 2040 Constr	rained 🗸	Identified in STIP	•		

#### Project Name: HIO Wash Racks

Map ID:	61 Time Fra	ame (Years):	5 years	<u>Total Cost:</u>	\$620,100
Project Type:	Aviation			<u>Year of Cost</u> Estimate:	2010
<b>Operation Area</b>	Hillsboro			Federal:	
Project Description:	Construct new wash rac washing with pollution of	cks for tenant and itin control system to kee	nerant aircraft ep wash water	<u>State:</u>	
	out of storm system.			<u>City:</u>	
Purpose	Improve an irregmental performance at the airport		SDC:		
i dipooe.				<u>Port Share</u> Committed:	
JDE NUM:	100646			<u>Port Share</u> Forecasted:	
RTP Related:				Private:	
Recent Study:				Other:	
Port Strategic Area:	Portwide Environmental	l Strategy		<u>Unfunded:</u>	\$620,100
RTP 2040 Illustra	itive	Conditioned Proj	ect <u>E</u>	<u>stimate Rating:</u>	
RTP 2040 Constr	ained	Identified in STIP			

# Project Name: HIO Taxiway to NW Corporate Center

Map ID:	62 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$1,050,000
Project Type:	Aviation	<u>Year of Cost</u> <u>Estimate:</u>	2009
<b>Operation Area</b>	Hillsboro	Federal:	
Project Description:	Construct a taxiway to serve new tenant leasehold development.	State:	
		<u>City:</u>	
Purpose:	New tenant development in the area behind the HIO AT	ст <u>SDC:</u>	
	will require airside infrastructure.	<u>Port Share</u> Committed:	
JDE NUM:	100657	Port Share Forecasted	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$1,050,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	rained Identified in STIP		



MAP: GIS PROGRAM OFFICE Page 61

# Project Name: Cathedral Park Quiet Zone

Map ID:	63 <b>Time</b>	e Frame (Years):	5 years	<u>Total Cost:</u>	\$8,200,000
Project Type:	Rail			<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Address rail switch rail crossings in the	iing noise by improving r e St. Johns Cathedral Pa	nultiple public rk area.	<u>State:</u>	
				<u>City:</u>	
Purpose:	To allow auto import operations to continue to grow in N. Portland and improve neighborhood livability.			SDC:	
				<u>Port Share</u> Committed:	
JDE NUM:	810051			<u>Port Share</u> Forecasted:	
RTP Related:	10375			Private:	
Recent Study:	Cathedral Park Wh Parametrix (2007)	Cathedral Park Whistle Free Zone Strategic Options, Parametrix (2007)		<u>Other:</u>	
Port Strategic Area:	Retain and Grow k	Key Services		<u>Unfunded:</u>	\$8,200,000
✓ RTP 2040 Illustra	ative	Conditioned Proj	ect I	<u>Estimate Rating:</u>	
RTP 2040 Constr	rained	Identified in STIP	1		

#### Project Name: North Portland Junction

Map ID:	64 <b>Time Frame (Years):</b> 10 years	<u>Total Cost:</u>	\$9,160,000
Project Type:	Rail	<u>Year of Cost</u> <u>Estimate:</u>	2003
<b>Operation Area</b>	Rivergate	Federal:	
Project Description:	Upgrade railroad with revised crossovers, centralized traffic control tie-in and increased turning radius.	<u>State:</u>	
		<u>City:</u>	
Purpose:	Accommodate higher rail speeds at the junction which	SDC:	
•	provides greater capacity.	<u>Port Share</u> Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:		Private:	
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	\$9,160,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

## Project Name: 1-5 Columbia River Crossing

Map ID:	65 Time F	Frame (Years):	10 years	<u>Total Cost:</u>	\$2,982,000,000
Project Type:	Road			<u>Year of Cost</u> Estimate:	2002
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Increase the number across the river.	of lanes and add tran	isit capacity	<u>State:</u>	
				<u>City:</u>	
Purpose:	Increase multi-modal capacity across the Columbia River and relieve congestion.			<u>SDC:</u>	
				<u>Port Share</u> Committed:	
JDE NUM:				<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:	10893			Private:	
Recent Study:	I-5 Transportation and Strategic Plan (2002)	d Trade Partnership F	ïnal	<u>Other:</u>	
Port Strategic Area:	Regional Leadership	in Transportation		<u>Unfunded:</u>	\$2,982,000,000
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject <u>E</u>	<u>Estimate Rating:</u>	
✓ RTP 2040 Constr	rained 🗸	Identified in STIF	2		

# Project Name: N. Hayden Island Drive

Map ID:	66 Time F	Frame (Years):	10 years	Total Cost:	\$12,000,000
Project Type:				Year of Cost Estimate:	2012
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Reconstruct N. Hayde	en Island Drive.		State:	
				<u>City:</u>	
Purnose	Provide improved access to West Hayden Island.		SDC:		
i dipose.			<u>Port Share</u> <u>Committed:</u>		
JDE NUM:	102151			<u>Port Share</u> Forecasted:	
RTP Related:	11632			Private:	
Recent Study:	West Hayden Island	Concept Plan 2012		<u>Other:</u>	
Port Strategic Area	Retain and Grow Key	Services		<u>Unfunded:</u>	\$12,000,000
✓ RTP 2040 Illustra	ative	Conditioned Pro	ject	Estimate Rating:	
✓ RTP 2040 Const	rained	Identified in STIF	כ		

# Project Name: West Hayden Island Rail Access

Map ID:	67 T	Time Frame	e (Years):	20 years	Total Cost:	\$3,000,000
Project Type:	Rail				<u>Year of Cost</u> Estimate:	
<b>Operation Area</b>	Rivergate				Federal	
Project Description:	Rail access to	support West	Hayden Island	d development.	<u>State:</u>	
					<u>City:</u>	
Purpose:	Advance rail-	dependent dev	relopment		SDC:	
			Port Share Committed:			
JDE NUM:	100348				Port Share Forecasted:	
RTP Related:	11353				Private:	
Recent Study:	West Hayden	Island Concep	ot Plan 2012		Other:	
Port Strategic Area:	Retain and G	row Key Servic	es		<u>Unfunded:</u>	\$3,000,000
✓ RTP 2040 Illustra	tive	Cor	nditioned Pro	ject <u>E</u>	<u>stimate Rating:</u>	
✓ RTP 2040 Constr	ained	Ide	ntified in STIF	D		
Project Name:	<u>West Hay</u>	yden Islar	nd Rail Ya	<u>rd</u>		

Map ID:	68 <b>Time</b>	e Frame (Years): 20 ye	ears <u>Total Cost:</u>	\$9,500,000
Project Type:	Rail		<u>Year of Cost</u> Estimate:	
<b>Operation Area</b>	Rivergate		<u> </u>	
Project Description:	Seven track rail yar	d connected to facility trackage	<u>State:</u>	
			<u>City:</u>	
Purnose:	Advance rail development on West Havden Island		<u>SDC:</u>	
			<u>Port Share</u> <u>Committed:</u>	
JDE NUM:	100348		<u>Port Share</u> Forecasted:	
RTP Related:	11354		Private:	
Recent Study: West Hayden Island Concept Plan 2012			<u>Other:</u>	
Port Strategic Area:	Retain and Grow K	ey Services	<u>Unfunded:</u>	\$9,500,000
✓ RTP 2040 Illustra	tive	Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained	Identified in STIP		

# Project Name: West Hayden Island Interior Access Road

Map ID:	69 <b>Time</b>	e Frame (Years)	10 years	<u>Total Cost:</u>	\$13,600,000
Project Type:				<u>Year of Cost</u> <u>Estimate:</u>	2012
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Construct interior reberth access.	oadway including rail	overpass and	State:	
				<u>City:</u>	
Purpose:	Provide roadway for new West Hayden Island terminal.			SDC:	
				Port Share Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:				Private:	
Recent Study:	West Hayden Islan	d Concept Plan 2012		Other:	
Port Strategic Area:	Retain and Grow K	Key Services		<u>Unfunded:</u>	\$13,600,000
RTP 2040 Illustra	ıtive	Conditioned P	roject	Estimate Rating:	
RTP 2040 Constr	ained	Identified in S	TIP		

## Project Name: St. Johns Pedestrian District

Map ID:	70 Time Fra	me (Years):	5 years	Total Cost:	\$3,346,000
Project Type:	Road			<u>Year of Cost</u> <u>Estimate:</u>	2005
<b>Operation Area</b>	Rivergate			Federal:	\$3 002 365
Project Description:	Improvements could incl and other pedestrian and	ude restriping, curb bicycle amenities	extensions on Lombard	<u>State:</u>	<i>\$0,002,000</i>
	St. that do not impede tru intersection improvement	uck movement, as v ts and signalization	well as	<u>City:</u>	\$343,635
Purpose:	Maintain truck movemen	t and minimize cont	flictowith	SDC:	
rupose.	bicycles and pedestrians Lombard St. at Pier Park.	Maintain truck movement and minimize conflicts with bicycles and pedestrians between Philadelphia Ave. and Lombard St. at Pier Park.			
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	10182			Private:	
Recent Study:	St. Johns Truck Strategy (2001)	Report & Recomme	endation	Other:	
Port Strategic Area:	Regional Leadership in T	ransportation		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive 🗌 🤅	Conditioned Proje	ect	<u>Estimate Rating:</u>	
✓ RTP 2040 Constr	ained	dentified in STIP			

## Project Name: Burgard Bridge Replacement

Map ID:	71 Time Fr	ame (Years):	5 years	<u>Total Cost:</u>	\$1,445,000
Project Type:	Road			Year of Cost	2004
<b>Operation Area</b>	Rivergate			<u>Estimate.</u>	2004
Project Description:				<u>Federal:</u>	
Project Description.	Upgrade structure.			<u>State:</u>	\$1,445,000
				<u>City:</u>	
Purpose:	Replace the bridge with a slab on grade to eliminate weight restrictions.			SDC:	
i diposoi				<u>Port Share</u> <u>Committed:</u>	
JDE NUM:				Port Share	
RTP Related:				Polecasieu.	
				Private:	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Regional Leadership in	Transportation		<u>Unfunded:</u>	
RTP 2040 Illustra	tive	Conditioned Proj	ject	Estimate Rating:	
RTP 2040 Constr	rained 🗸	Identified in STIP	)		

# Project Name: Columbia Blvd./Portland Rd. Intersection Improvements

Map ID:	72 Time Frame (Year	<b>s):</b> 5 years	Total Cost:	\$1,214,000
Project Type:	Road		<u>Year of Cost</u> Estimate:	2006
<b>Operation Area</b>	Rivergate		Federal:	
Project Description:	Redesign could include realignment channelization, signalization, signing	of travel lanes, or new sidewalks	<u>State:</u>	\$538,380
	and curbs.		<u>City:</u>	
Purnose:	Poinforce through truck movements	on minor and major	SDC:	
i dipose.	truck streets (Portland Rd. and Colun respectively), minimizing neighborho	ic. <u>Committed:</u>		
JDE NUM:			<u>Port Share</u> Forecasted:	
RTP Related:	10229		Private:	
Recent Study:	St. Johns Truck Strategy Report & Re (2001)	commendation	Other:	
Port Strategic Area:	Regional Leadership in Transportatic	n	Unfunded:	\$675,620
✓ RTP 2040 Illustra	tive Conditione	I Project	Estimate Rating:	
RTP 2040 Constr	ained 🗹 Identified ir	STIP		

#### Project Name: North Burgard/Lombard Street Improvements

Map ID:	73 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$14,588,000				
Project Type:	Road	Year of Cost	2000				
<b>Operation Area</b>	Rivergate	<u>Estimate:</u>	2009				
Project Description:	Widen Burgard to 3 Lanes with bike lanes and sidewal	ks <b>State</b>					
	from UPRR bridge to Columbia.	<u>State:</u>					
		<u>City:</u>					
Purpose:	Improve freight mobility, safety and industrial site acce	ss.					
		<u>Port Share</u> <u>Committed:</u>					
JDE NUM:		Port Share					
<b>RTP Related:</b>	10214	Forecasted:					
<b>Recent Study:</b>		<u>Private.</u>					
,		<u>Other:</u>					
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$14,588,000				
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:					
RTP 2040 Constr	ained Identified in STIP						
Project Name: Marine Dr. Improvement Phase 2							
Map ID:	74 Time Frame (Years): 20 years	<u>Total Cost:</u>	\$13,644,200				
Project Type:	Road	Year of Cost	2002				
<b>Operation Area</b>	Rivergate	<u>Estimate:</u>	2000				
Project Description:	Construct rail overcrossing on Marine Dr.	<u>Federal:</u>					
	5	<u>State:</u>					
		<u>City:</u>					
<b>D</b>		SDC:					

Purpose: Avoid road/rail conflict.

JDE NUM: RTP Related: 10379 Recent Study: Port Strategic Area: Regional Leadership in Transportation

Estimate Rating: 3c

Port Share Committed: Port Share

Forecasted:

Private:

Other:

\$13,644,200

Unfunded:

RTP 2040 Constrained

✓ RTP 2040 Illustrative

Conditioned ProjectIdentified in STIP

## Project Name: Willamette River Channel Deepening

Map ID:	75 <b>Tim</b>	e Frame (Ye	ears):	10 years	<u>Total Cost:</u>	\$200,000,000
Project Type:	Marine				Year of Cost	
Operation Area	Rivergate				<u>Estimate:</u>	
	lineigute				<u>Federal:</u>	
Project Description:	Deepen the portion infrastructure to -4	ns of the Willam 3' where approp	iette Rivei priate.	r with deep dra	<sup>ft</sup> <u>State:</u>	
					<u>City:</u>	
Purpose:	To allow Willamette River terminals to also benefit from the Columbia River's new controlling depth.			<u>SDC:</u>		
·				Port Share Committed:		
JDE NUM:					Port Share Forecasted:	
<b>RTP Related:</b>					Driveter	
Decent Study					<u>Privale.</u>	
Recent Study:					<u>Other:</u>	
Port Strategic Area:	Regional Leaders	hip in Transporta	ation		<u>Unfunded:</u>	\$200,000,000
RTP 2040 Illustra	tive	Conditio	ned Proj	ject <u>E</u>	<u>stimate Rating:</u>	
RTP 2040 Constr	rained	Identified	d in STIP	)		

# Project Name: Terminal 6 Honda Rail Extension

Map ID:	76 <b>Time</b>	Frame (Years):	10 years	<u>Total Cost:</u>	\$1,000,000
Project Type:	Marine			Year of Cost Estimate:	2009
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Extend current rail y for current tenants.	vard in order to provide	more capacity	<u>State:</u>	
				<u>City:</u>	
Purpose:	Capacity improvements for current tenants.			SDC:	
·				Port Share Committed:	
JDE NUM:	100323			<u>Port Share</u> Forecasted:	
RTP Related:				Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grow K	ey Services		Unfunded:	\$1,000,000
RTP 2040 Illustra	tive	Conditioned Pro	ject <u>I</u>	Estimate Rating: 3c	
RTP 2040 Constr	rained	Identified in STI	2		

## Project Name: Columbia River Anchorage Improvements

Map ID:	77 Time Frame (Years): 5 years	Total Cost:	\$2,342,000
Project Type:	Marine	Year of Cost Estimate:	2009
<b>Operation Area</b>	Rivergate	Federal:	\$1 728 500
Project Description:	Placement of up to seven stern buoys at different anchorages up and down the Columbia River.	<u>State:</u>	ψ1,720,000
		<u>City:</u>	
Purpose:	Allow for the anchorage of ships in the river rather than	at SDC:	
	terminals that could otherwise be loading/unloading ca	rgo. <u>Port Share</u> <u>Committed:</u>	
JDE NUM:		Port Share Forecasted:	\$153,400
<b>RTP Related:</b>		Private:	
Recent Study:	Feasibility Study	Other:	\$460,100
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2040 Constr	ained Identified in STIP		

# Project Name: Terminal 6 Internal Overcrossing

Map ID:	78 <b>Time</b>	e Frame (Years):	5 years	<u>Total Cost:</u>	\$3,649,084
Project Type:	Road			Year of Cost Estimate:	2006
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Construct a rail ove	ercrossing at Terminal 6.		<u>State:</u>	
Purpose:			<u>City:</u>		
	Increase efficient movement for rail and Terminal 6 tenants		SDC:		
				Port Share Committed:	
JDE NUM:	100324			<u>Port Share</u> Forecasted:	\$3,649,084
RTP Related:	10378			Private:	
Recent Study:	Marine Terminal M	aster Plan 2020 (2003)		Other:	
Port Strategic Area:	Retain and Grow k	Key Services		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Proje	ect <u>E</u>	<b>stimate Rating:</b> 2b	
✓ RTP 2040 Constr	ained	Identified in STIP			

# Project Name: <u>T6 Second Entrance</u>

Map ID:	79 <b>T</b> i	me Frame (`	Years):	20 years	Total Cost:	\$12,000,000
Project Type:	Road				<u>Year of Cost</u> Estimate:	2008
<b>Operation Area</b>	Rivergate				Federal	
<b>Project Description:</b>	Construct seco	nd entrance and	rail overcro	ossing.	<u>l odorun</u>	
	C C			<u>State:</u>		
Purpose:	Improve capacity and safety at T6.			<u>City:</u>		
				<u>SDC:</u>		
				Port Share Committed:		
JDE NUM:	102056				<u>Port Share</u> Forecasted:	
RTP Related:	11306				Private:	
Recent Study:	Terminal 6 Acc	ess Improvemen	nt Alternative	es (2008)	Other:	
Port Strategic Area:	Retain and Gro	w Key Services			<u>Unfunded:</u>	\$12,000,000
✓ RTP 2040 Illustra	tive	Condit	tioned Proj	ect	Estimate Rating: 3c	
✓ RTP 2040 Constr	ained	Identif	ied in STIP	)		

#### Project Name: <u>T6 Suttle Road Entrance</u>

Map ID:	80 <b>Time</b>	e Frame (Years):	20 years	<u>Total Cost:</u>	\$3,000,000
Project Type:	Road			<u>Year of Cost</u> Estimate:	2008
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Construct access	road from terminus of Su	ittle Road.	<u>State:</u>	
Purpose:				<u>City:</u>	
	To support development of east end of T6.			SDC:	
				<u>Port Share</u> <u>Committed:</u>	
JDE NUM:				<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	11307			Private:	
Recent Study:	Suttle Road Impro	vement Options (2008)		Other:	
Port Strategic Area:	Retain and Grow A	Key Services		<u>Unfunded:</u>	\$3,000,000
✓ RTP 2040 Illustra	itive	Conditioned Pro	ject <u>E</u>	<b>Stimate Rating:</b> 3c	
✓ RTP 2040 Constr	rained	Identified in STIF	<b>)</b>		
#### Project Name: <u>T6 Development Project</u>

Map ID:	81 <b>Time</b>	e Frame (Years):	10 years	<u>Total Cost:</u>	\$76,000,000
Project Type:	Marine			Year of Cost	2012
<b>Operation Area</b>	Rivergate			<u>Estimate.</u> Federal:	2012
Project Description:	This program inclu Entrance Overcros	udes Additional Scour Pr ssing, Two New PPMX C	otection, T6 Cranes, Terminal	<u>State:</u>	
	Electrical Upgrade Arrival and 8,500'	es, Yard Gantry Cranes a Departure Tracks.	and 6,800'	<u>City:</u>	
Purpose:	This program is ne	This program is needed to upgrade the terminal to expand		SDC:	
•	the capacity of the container terminal to 1 Million TEUs.		<u>Port Share</u> Committed:		
JDE NUM:				<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	11357, 11207			Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grow k	Key Services		<u>Unfunded:</u>	\$76,000,000
✓ RTP 2040 Illustra	ıtive	Conditioned Pro	ject <u>Es</u>	<u>stimate Rating:</u>	
✓ RTP 2040 Constr	ained	Identified in STI	2		

# Project Name: <u>T4 B416 Lay Berth Improvements</u>

Map ID:	82 <b>Time</b>	e Frame (Years):	5 years	<u>Total Cost:</u>	\$500,000
Project Type:	Marine			Year of Cost	2012
<b>Operation Area</b>	Rivergate			<u>Estimate.</u>	2012
Project Description:	This project will do	aign parmit and install a		<u>Federal:</u>	
	equipment upgrad	les necessary to allow ve	essels to lay	State:	
	berth at B416			<u>City:</u>	
Purnose	<b>Purpose:</b> The project is needed to allow vessels to lay berth at B416. This will help the Port retain and grow key services and to be a leader in transportation infrastructure.			SDC:	
ruipose.				<u>Port Share</u> <u>Committed:</u>	
JDE NUM:				<u>Port Share</u> Forecasted	
<b>RTP Related:</b>				Private:	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Retain and Grow k	Key Services		Unfunded:	\$500,000
RTP 2040 Illustra	tive	Conditioned Proj	ject <u>E</u>	stimate Rating:	
RTP 2040 Constr	ained	Identified in STIF	<b>b</b>		

## Project Name: <u>T4 Stormwater Improvements</u>

Map ID:	83 Time	e Frame (Years):	5 years	Total Cost:	\$4,100,000
Project Type:	Marine			Year of Cost	2012
<b>Operation Area</b>	Rivergate			Estimate.	2012
Project Description:	Install stormwater equipment such a	improvements including s dust filtering equipmer	control nt for the	<u>State:</u>	
	warehouses and/o treatment mechan	or various types of storm isms.	or <u>City:</u>		
Purpose:	Implement capital	projects identified during	a stormwater	<u>SDC:</u>	
	master planning projects identified during stormwater master planning process. The improvements will be needed in order to comply with new environmental permits and water quality regulations			its <u>Committed:</u>	
JDE NUM:	101668			Port Share Forecasted:	
RTP Related:				Private:	
Recent Study:				Other:	
Port Strategic Area:	Portwide Environn	nental Strategy		<u>Unfunded:</u>	\$4,100,000
RTP 2040 Illustra	tive	Conditioned Pro	ject	<u>Estimate Rating:</u>	
RTP 2040 Constr	ained	Identified in STI	2		

# Project Name: <u>Terminal 4 Automobile Yard Expansion</u>

Map ID:	84 Time Frame (Years): 10 years	Total Cost:	\$3,000,000
Project Type:	Marine	Year of Cost	
<b>Operation Area</b>	Rivergate	<u>Estimate.</u>	
Ducient Deceminations	-	<u>Federal:</u>	
Project Description:	Design and construct six acres of porous pavement parking for the storage of imported automobiles.	<u>State:</u>	
		<u>City:</u>	
Purpose:	The project will provide additional land to meet auto	SDC:	
i dipocoi	storage capacity needs of Toyota, supporting the Por automobile import business line.	t's <u>Port Share</u> <u>Committed:</u>	
JDE NUM:	100769	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		<u>Other:</u>	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	\$3,000,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	ained Identified in STIP		

#### Project Name: BNSF Fallbridge Double Tracking

Map ID:	85 <b>Time</b>	e Fram	e (Years):	10 years	<u>Total Cost:</u>	\$72,000,000
Project Type:	Rail				Year of Cost	
<b>Operation</b> Area	Rivergate				<u>Estimate.</u>	
n Destant Description	3				<u>Federal:</u>	
Project Description:	Double Track Fallb	oridge line	e to Washougal	l.	<u>State:</u>	
					<u>City:</u>	
Purpose:	Increases canacity of the BNSE east-west mainline serving			ving		
·	Port of Portland.	ort of Portland.		Port Share Committed:		
JDE NUM:					Port Share	
<b>RTP Related:</b>					<u>Private:</u>	
Recent Study:	Port Rail Plan				Other:	
Port Strategic Area:	Regional Leadersh	nip in Trar	nsportation		Unfunded:	\$72,000,000
RTP 2040 Illustra	tive	Co	nditioned Pro	ject	Estimate Rating:	
RTP 2040 Constr	ained	lde	entified in STI	C		

# Project Name: Terminal 4 Grain Elevator Demolition

Map ID:	86 Time Fi	ame (Years):	10 years	<u>Total Cost:</u>	\$8,000,000
Project Type:	Marine			<u>Year of Cost</u> Estimate:	2012
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Demolish the Terminal	4 grain elevator.		<u>State:</u>	
				<u>City:</u>	
Purpose:	Demolition of the elevator will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in the Portland Harbor.			<u>SDC:</u>	
				Port Share Committed:	
JDE NUM:	810049			<u>Port Share</u> Forecasted:	
RTP Related:	11208			Private:	
Recent Study:	Terminal 4 Pier 1 Facili	ty Plan (TEC Inc.)		Other:	
Port Strategic Area:	Regional Leadership ir	n Industrial Lands		Unfunded:	\$8,000,000
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject <u> </u>	Estimate Rating: 3c	
RTP 2040 Constr	ained	Identified in STIF	<b>b</b>		

#### Project Name: <u>T4 Berth 410, 411 Rail Yard Improvements</u>

Map ID:	87 <b>Time</b>	Frame (Years):	5 years	Total Cost:	\$1,529,000
Project Type:	Rail			<u>Year of Cost</u> <u>Estimate:</u>	2012
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Construct additiona Yard.	al rail track in the Berth 4	10 and 411 Rai	<u>State:</u>	
				<u>City:</u>	
Purpose:	Improve the efficiency of the rail yard by creating			SDC:	
	additional rail capacity.		Port Share Committed:		
JDE NUM:	102052			<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>				Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grow K	ey Services		Unfunded:	\$1,529,000
RTP 2040 Illustra	itive	Conditioned Proj	ject <u>E</u>	<b>stimate Rating:</b> ૩c	
RTP 2040 Constr	ained	Identified in STIP	)		

#### Project Name: T4 Berth 405 and 408 Demolition

Map ID:	88 Time	e Frame (Years):	5 years	<u>Total Cost:</u>	\$18,747,222
Project Type:	Marine			Year of Cost Estimate:	2013
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Demolish Berth 405	5 and Berth 408.		<u>State:</u>	
				<u>City:</u>	
Purpose:	Remove obsolete berth structures			SDC:	
				<u>Port Share</u> Committed:	
JDE NUM:	810048			<u>Port Share</u> Forecasted:	
RTP Related:				Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grow K	ey Services		<u>Unfunded:</u>	\$18,747,222
RTP 2040 Illustra	tive	Conditioned Proj	ect <u>E</u>	<u>stimate Rating:</u>	
RTP 2040 Constr	ained	Identified in STIP			

#### Project Name: Bonneville Rail Yard Build Out

Map ID:	89 Time Fr	ame (Years):	10 years	Total Cost:	\$3,600,000
Project Type:	Rail			Year of Cost Estimate:	2013
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Construct two interior ya track lead from the wye	ard tracks and com at the east end of t	plete the double the yard to	<u>State:</u>	
	Barnes Yard.			<u>City:</u>	
Purpose:	Add rail staging capaci	ging capacity for South Rivergate.		SDC:	
·				Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:	11652			Private:	
Recent Study:	Port Rail Plan			Other:	
Port Strategic Area:	Regional Leadership in	Transportation		<u>Unfunded:</u>	\$3,600,000
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject <u>Es</u>	<b>timate Rating:</b> 3c	
✓ RTP 2040 Constr	ained	Identified in STIF	2		

#### Project Name: Ramsey Yard Utilization

Map ID:	90 <b>Time</b>	Frame (Years):	10 years	<u>Total Cost:</u>	\$1,700,000
Project Type:	Rail			<u>Year of Cost</u> Estimate:	2013
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Connect existing se	t out track with industria	al lead.	<u>State:</u>	
				<u>City:</u>	
Purpose:	Improve unit train staging capabilities at Ramsey Rail Yard.		SDC:		
·			<u>Port Share</u> Committed:		
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	11653			Private:	
Recent Study:	Port Rail Plan			Other:	
Port Strategic Area:	Regional Leadershi	p in Transportation		<u>Unfunded:</u>	\$1,700,000
✓ RTP 2040 Illustra	tive	Conditioned Proj	ject <u>Es</u>	<b>stimate Rating:</b> 3c	
RTP 2040 Constr	ained	Identified in STIP	•		

# Project Name: Columbia River Underkeel Clearance Study

Map ID:	91 Time Frame (Years): 5 years	s <u>Total Cost:</u>	\$1,319,000
Project Type:	Marine	<u>Year of Cost</u> <u>Estimate:</u>	2013
Operation Area	Rivergate	Federal:	
Project Description:	Underkeel clearance study for ships moving between Columbia Bar and Portland.	the <u>State:</u>	\$949,608
		<u>City:</u>	
Purpose:	Understand vessel underclearance in Columbia River	sDC:	
•	optimize safety and payload.	Port Share Committed:	\$65,000
JDE NUM:		Port Share	
<b>RTP Related:</b>		Private:	
Recent Study:		<u>Other:</u>	\$304,392
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Constr	rained Identified in STIP		



MAP: GIS PROGRAM OFFICE

## Project Name: North Willamette Greenway Trail

Map ID:	92 <b>Time</b>	Frame (Years):	20 years	Total Cost:	\$500,000
Project Type:	Bike/Ped			Year of Cost Estimate:	2007
<b>Operation Area</b>	T2/Swan Island		Federal:		
Project Description:	Pedestrian and bic Steel Bridge along	redestrian and bicycle trail from Kelly Point Park to the steel Bridge along the Willamette River. The money			
	associated for this project is for a study only.			<u>City:</u>	
Purpose:	Improve pedestrian and bicycle connectivity in North Portland. Coordinate implementation with the City of Portland.			<u>SDC:</u>	
i uipooe.				Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>	10355			Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Leadersh	ip in Transportation		<u>Unfunded:</u>	\$500,000
✓ RTP 2040 Illustra	ıtive	Conditioned Pro	ject	Estimate Rating:	
RTP 2040 Constr	rained	Identified in STI	P		

#### Project Name: Graham Line Connection

Map ID:	93 <b>Time</b>	Frame (Years):	5 years	Total Cost:	\$15,000,000
Project Type:	Rail			Year of Cost Estimate:	2006
<b>Operation Area</b>	T2/Swan Island			<u> </u>	
Project Description:	This project will creater of the second seco	ate a new track connect n runs parallel with I-84 t	ion between th hrough	<sup>ne</sup> <u>State:</u>	
	line through Portlan	d the Brooklyn Sub, UP's Id.	s north-south	<u>City:</u>	
Purpose:	This connection wil	allow UP rail traffic ente	erina Portland	SDC:	
·	from the east to turn Graham Line. This system capacity.	n south onto the Brookly project will eliminate del	n Sub from th ay and increas	e <u>Port Share</u> se <u>Committed:</u>	
JDE NUM:				Port Share	
RTP Related:				Private:	
Recent Study:	I-5 Rail Capacity St	udy (HDR, 2003)		<u>Other:</u>	
Port Strategic Area:	Regional Leadersh	ip in Transportation		<u>Unfunded:</u>	\$15,000,000
RTP 2040 Illustra	ıtive	Conditioned Proj	ect l	<u>Estimate Rating:</u>	
RTP 2040 Constr	ained	Identified in STIP	)		

#### Project Name: Terminal 2 Stormwater Improvements

Map ID:	94 Time F	rame (Years):	5 years	<u>Total Cost:</u>	\$1,500,000
Project Type:	Marine			Year of Cost	2011
<b>Operation Area</b>	T2/Swan Island			<u>Estimate.</u> Federal:	Lott
Project Description:	Stormwater improvem	ents.		<u>r ederui.</u> State:	
				<u>City:</u>	
				<u>ony.</u>	
Purnose:	Enhance marketability	service and environ	mental	<u>SDC:</u>	
	performance for cargo	opportunities at T-2.	montai	<u>Port Share</u> Committed:	
JDE NUM:	101667			<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>				Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and Grow Key	Services		<u>Unfunded:</u>	\$1,500,000
RTP 2040 Illustra	tive	Conditioned Proj	ect	Estimate Rating:	
RTP 2040 Constr	ained	Identified in STIP	1		

# Project Name: <u>T2 Storage Building Improvements</u>

Map ID:	95 <b>Time</b>	e Frame (Years):	5 years	<u>Total Cost:</u>	\$1,000,000
Project Type:	Marine			Year of Cost Estimate:	2012
<b>Operation Area</b>	T2/Swan Island			Federal:	
Project Description:	This project upgra allow for the storage	des the existing warehou ge of bulk cargos such as	ise buildings to s pulp.	<u>State:</u>	
				<u>City:</u>	
Purpose:	This project is nee	ded to upgrade the existi	SDC:		
	more efficiently ha	his project is needed to upgrade the existing terminal to nore efficiently handle bulk cargos.		Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>				Private:	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Retain and Grow I	Key Services		Unfunded:	\$1,000,000
RTP 2040 Illustra	itive	Conditioned Proj	ject <u>E</u>	stimate Rating:	
RTP 2040 Constr	ained	Identified in STIP	)		

#### Project Name: Portland Terminal Railroad Power Switches

Map ID:	96 Time F	Frame (Years):	5 years	<u>Total Cost:</u>	\$10,805,000
Project Type:	Rail			Year of Cost	
<b>Operation Area</b>	T2/Swan Island			Estimate:	
Duala at Dagavintiana				<u>Federal:</u>	
Project Description:	Install Dispatcher Cor Lake Yard and Termir	ntrolled Power Switche nal 2.	es between	<u>State:</u>	
				<u>City:</u>	
Purpose:	Will reduce time it tak	es for trains to travel fi	SDC:		
i uipoooi	Will reduce time it takes for trains to travel from Lake Yard to Terminal 2, reducing blockage of mainline.			<u>Port Share</u> Committed:	
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>				Private:	
Recent Study:	Port Rail Plan			Other:	
Port Strategic Area:	Regional Leadership	in Transportation		<u>Unfunded:</u>	\$10,805,000
RTP 2040 Illustra	ative	Conditioned Proj	ect <u>Es</u>	stimate Rating: 3c	
RTP 2040 Constr	rained	Identified in STIP			

## Project Name: <u>T2 Track Reconfiguration and Siding</u>

Map ID:	97 <b>Time</b>	e Frame (Years):	10 years	Total Cost:	\$8,900,000
Project Type:	Rail			Year of Cost Estimate:	2013
<b>Operation Area</b>	T2/Swan Island			Federal:	
Project Description:	Construct rail loop	and support siding.		<u>State:</u>	
				<u>City:</u>	
Purpose:	Increase rail capac	sity at Terminal 2		SDC:	
		, , , , , , , , , , , , , , , , , , ,		<u>Port Share</u> Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	11651			Private:	
Recent Study:	Port Rail Plan			Other:	
Port Strategic Area:	Retain and Grow K	Key Services		<u>Unfunded:</u>	\$8,900,000
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject <u>E</u>	<b>stimate Rating:</b> ૩૦	
✓ RTP 2040 Constr	ained	Identified in STIF	2		



## Project Name: Sandy Blvd. Widening to 4 lanes

Map ID:	98 Time I	Frame (Years):	10 years	<u>Total Cost:</u>	\$10,000,000
Project Type:	Road			Year of Cost	
<b>Operation Area</b>	East County			<u>EStimate.</u>	
Drainat Decerimtion.				<u>Federal:</u>	
Project Description:	Sandy Blvd. widen to 202nd) with sidewalk	b 4 lanes and center to s and bike lanes.	urn lane (181st	<u>State:</u>	
				<u>City:</u>	
Purpose:	Improve east west ca	apacity and serve dev	SDC:		
·	industrial property.		1 0	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	10443			Private:	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Regional Leadership	in Transportation		<u>Unfunded:</u>	\$10,000,000
✓ RTP 2040 Illustra	tive	Conditioned Pro	ject	<u>Estimate Rating:</u>	
✓ RTP 2040 Constr	ained	Identified in STI	P		

#### Project Name: Riverside Drive Extension

Map ID:	99 <b>T</b>	Time Fra	ame (Years):	5 years	<u>Total Cost:</u>	\$10,975,110
Project Type:	Road				Year of Cost	
Operation Area	East County				<u>Estimate:</u>	
	Last soundy				<u>Federal:</u>	
Project Description:	Riverside Dr. I	Extension (	(Riverside Parkwa	ay to Portal Wa	ay). <u>State:</u>	
					<u>City:</u>	
Purpose:	Serve developing industrial parcels.				SDC:	
		ing indust		Port Share Committed:		
JDE NUM:					Port Share Forecasted:	
<b>RTP Related:</b>	10515				Private:	
Recent Study:					Other:	
Port Strategic Area:	Regional Lead	dership in <sup>-</sup>	Transportation		<u>Unfunded:</u>	\$10,975,110
✓ RTP 2040 Illustra	tive		Conditioned Pr	oject	Estimate Rating:	
RTP 2040 Constr	ained		Identified in ST	IP		

## Project Name: Sandy Blvd. Widening to 3 lanes

Map ID:	100 <b>T</b>	ime Fra	ame (Years):	10 years	<u>Total Cost:</u>	\$7,438,000
Project Type:	Road				Year of Cost	
<b>Operation Area</b>	East County				<u>Estimate:</u>	
Project Description					<u>Federal:</u>	
Project Description:	Sandy Blvd. wi sidewalks and	iden to 3 l bike lane	lanes (207th to 23 es.	8th), add	State:	
					<u>City:</u>	
Purpose:	Improve east v	west capa	acity and serve adi	acent develor	SDC:	
	industrial prop	mprove east west capacity and serve adjacent developin ndustrial property.			Port Share Committed:	
JDE NUM:					Port Share Forecasted	
<b>RTP Related:</b>	10399				Private <sup>.</sup>	
Recent Study:					<u></u>	
neoent otaay.					<u>Other:</u>	
Port Strategic Area:	Regional Lead	lership in	Transportation		<u>Unfunded:</u>	\$7,438,000
✓ RTP 2040 Illustra	itive		Conditioned Pro	oject	Estimate Rating:	
✓ RTP 2040 Constr	ained		Identified in STI	Р		

## Project Name: <u>NE Hogan at NE Stark Street</u>

Map ID:	101 <b>Time F</b>	rame (Years):	5 years	<u>Total Cost:</u>	\$1,908,431
Project Type:	Road			<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	East County			Federal:	
Project Description:	Add right turn lanes o northbound and south	n all approaches and bound left turn lanes.	second	<u>State:</u>	
				<u>City:</u>	
Purpose:	Address intersection	capacity affecting acc	ess to	SDC:	
	Gresham Vista Busine	ess Park.		<u>Port Share</u> Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
<b>RTP Related:</b>	10511			Private:	
Recent Study:	East Metro Connectio	ns Plan		<u>Other:</u>	
Port Strategic Area:	Regional Leadership	in Transportation		Unfunded:	\$1,908,431
✓ RTP 2040 Illustra	itive	Conditioned Proj	ect	Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIP			

## Project Name: NE 223rd at Stark

Map ID:	102 <b>Time</b>	Frame (Years):	5 years	<u>Total Cost:</u>	\$1,196,756
Project Type:	Road			<u>Year of Cost</u> Estimate:	2007
<b>Operation Area</b>	East County			Federal:	
Project Description:	Add eastbound and southbound left turr	d northbound right turn la n lanes.	anes and	<u>State:</u>	
				<u>City:</u>	
Purpose:	Address intersectio	n capacity affecting acc	ess to	<u>SDC:</u>	
•	Gresham Vista Bus	iness Park.		<u>Port Share</u> Committed:	
JDE NUM:				<u>Port Share</u> Forecasted:	
RTP Related:	10473			Private:	
Recent Study:	East Metro Connec	tions Plan		Other:	
Port Strategic Area:	Regional Leadershi	ip in Transportation		Unfunded:	\$1,196,756
✓ RTP 2040 Illustra	tive	Conditioned Proj	ect	Estimate Rating:	
✓ RTP 2040 Constr	ained	Identified in STIP			

## Project Name: NE 238th Drive: Halsey to Glisan

Map ID:	: 103 Time Fra	ame (Years):	5 years	<u>Total Cost:</u>	\$9,769,340
Project Type:	Road			Year of Cost Estimate:	2012
<b>Operation Area</b>	East County			Federal:	\$9 769 340
Project Description:	Construct improvements curvature. Also adds im	s for freight by mod provements for bike	ifying road es and	<u>State:</u>	\$6,766,676
	pedestrians.			<u>City:</u>	
Purnose:	• Will improve freight easy	ana ta Cranham Viai	to Pupinopo	SDC:	
ruipose.	Park.		la dusiness	<u>Port Share</u> <u>Committed:</u>	
JDE NUM:	:			Port Share	
RTP Related:				Forecasted:	
Decent Study				Private:	
Recent Study:	East Metro Connections	s Plan		<u>Other:</u>	
Port Strategic Area:	Regional Leadership in	Transportation		<u>Unfunded:</u>	
RTP 2040 Illustra	ative	Conditioned Proj	ect	Estimate Rating:	
RTP 2040 Const	rained	Identified in STIP	,		

# Project Name: 223rd Avenue Widening

Map ID:	104 <b>Tim</b>	e Fra	me (Yeai	rs):	5 years	3	<u>Total Cost:</u>	\$3,667,000
Project Type:	Road						Year of Cost Estimate:	
<b>Operation Area</b>	East County						Federal:	
Project Description:	Widen to three lan	ies bet	ween Halsey	y St and	I Marine E	Drive.	State:	
							<u>City:</u>	
Purpose:	Upgrade the facilit	tv to maior collector urban street			SDC:			
·	standards.	.,	-,				<u>Port Share</u> Committed:	
JDE NUM:							Port Share Forecasted:	
RTP Related:	10388, 10389						Private:	
Recent Study:							Other:	
Port Strategic Area:	Regional Leaders	hip in 1	Fransportatio	on			<u>Unfunded:</u>	\$3,667,000
✓ RTP 2040 Illustra	tive		Conditione	d Proje	ect	<u>Es</u> t	timate Rating: N/A	
RTP 2040 Constr	ained		Identified in	n STIP				