2018 PORT TRANSPORTATION IMPROVEMENT PLAN

FINAL 2/14/2018



Acknowledgments

Port Transportation Team

Isaac Barrows
Steve Bloomquist
Emerald Bogue
Tom Bouillion
Mike Coleman
Lise Glancy
Phil Healy
Scott Kilgo
Sean Loughran
Dan Pippenger
Rob Smith
Kathryn Williams

Port GIS Team

Ryan Campbell Chad Dettlaff Sim Ogle

TABLE OF CONTENTS

Introduction 2
Goal and Objectives 3
Assumptions 4
Project Funding4
Port Priority Projects 4
Cost Estimate Rating9
Project List
Priority Project Map22
Priority Project Reports
PDX/PIC Area Map 39
PDX/PIC Project Reports40
Hillsboro Area Map 46
Hillsboro Project Reports 47
Marine Terminal and Rivergate Area Map 50
Marine Terminal and Rivergate Area Project Reports51
T2/Swan Island Area Map 61
T2/Swan Island Area Project Reports 62
East County Area Map 64
East County Area Project Reports

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. 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), Metro's Transportation Improvement Program (MTIP) and the State Transportation

¹ Roads owned and maintained by the Port of Portland include: NE Airport Way (between I-205 and the Airport terminal), 82nd 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.) and other misc. access roads.

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.

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.

PROJECT 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.

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 has been identified to warrant focused attention for obtaining cooperative funding.

High Priority Projects Involving Other	Project	Map ID
Funding Sources ¹	Cost ²	#
PDX NEXT	\$2,000,000,000	3
Cornfoot Road Multimodal Safety Improvements	\$3,708,539	5
T4 Berth 410, 411 Rail Yard Improvements	\$7,800,000	16
Terminal 4 Second Entrance	\$12,000,000	17

- Notes: 1. Projects are not listed in order of priority.
 - 2. Refer to Priority Reports for funding break-out

Funded High Priority Projects Involving Other Funding Sources ¹	Project Cost ²	Map ID #
Rivergate Boulevard Overcrossing	\$19,549,000	21

- 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:

- 1. 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 Involving Other Funding Sources 1	Project Cost ²	Map ID #
Cully Intersection @ Columbia Blvd.	\$6,575,000	2
82 nd Avenue/Airport Way Grade Separation	\$75,000,000	4
Sundial Road/Graham Road Signal	\$1,000,000	31
Intelligent Transportation System (ITS) Improvements	\$680,000	12,14, 23

Notes:

- 1. Projects are not listed in order of priority.
- 2. Refer to Priority Reports for funding break-out.

Funded Priority Surface Transportation Projects Involving Other Funding Sources ¹	Project Cost ²	Map ID #
Alderwood Intersection @ Columbia Blvd.	\$5,058,349	1
40 Mile Loop Trail: Blue Lake Park to Sundial Rd.	\$3,424,073	30

Notes:

- 1. Projects are not listed in order of priority.
- 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.
- 2. 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.

Priority Marine Terminal Projects Involving Other Funding Sources ¹	Project Cost ²	Map ID#
Barnes to Terminal 4 Rail	\$10,543,000	11
Terminal 4 Pier 1 Site Preparation	\$38,000,000	13
Columbia River Jetty Refurbishment	\$239,000,000	19

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 ¹	Project Cost ²	Map ID#
HIO Relocate Charlie Pattern Landing Site	\$391,000	6
HIO Relocate Taxiway AA	\$7,300,000	7
TTD Reconstruct Runway 7-25	\$18,000,000	29

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

Scope Accuracy

Level 1

Level B

Level C

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.

Project scope is defined.

Level 2	Project scope is conceptual. 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%.

Contingency generally ranges between 20% and 30%.

No engineering has been performed.

Limited technical information is available and/or limited analysis has been performed.

Contingency generally ranges between 40% and 50%.

performed. Technical information is available, rough engineering calculations may have been performed, or similar information from previous

Conceptual engineering has been

similar work is compared and used.

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

Map ID	Project Name	Project Description	Purpose	Time Frame (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	\$5,058,349	•	PDX/PIC
2	Cully Blvd. and Columbia Blvd. Intersection	Widen and signalize intersection on Columbia Boulevard at Cully Blvd.	Provide transportation link to the cargo area located within the south airport area and to support Columbia Corridor freight movement.	5	\$6,575,000	✓	PDX/PIC
3	PDX NEXT	Includes Terminal Core, Terminal Balancing, and PACR projects.	Expand airport capacity, functionality, and resilience.	5	\$2,000,000,000	✓	PDX/PIC
4	82nd Ave./Airport Way Grade Separation	Construct grade-separated overcrossing.	Provide efficient movement of traffic to PDX properties.	10	\$75,000,000	•	PDX/PIC
5	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	\$3,708,539	•	PDX/PIC
6	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
			sensitive residential zones.				

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
7	HIO Relocate Taxiway AA	Relocate Taxiway AA 122 feet to the east and extend from Exit A5 to Taxiway G.	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	\$7,300,000	✓	Hillsboro
8	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
9	T6 Auto Terminal	Pavement renewal, processing building, rail ramp and office.	Capture demand for mid level auto account.	5	\$35,000,000	✓	Rivergate
10	T6 Berth 603 Low Dock	Modify existing berth for roll on-roll off (RORO) vessels.	Capture demand for high and heavy cargo.	5	\$8,000,000	✓	Rivergate
11	Barnes to Terminal 4 Rail	Provide a new track from Barnes Yard to Terminal 4. Includes replacement of Lombard Bridge.	Improve rail access to Terminal 4.	5	\$10,543,000	•	Rivergate
12	Rivergate ITS	Intelligent Transportation System in Rivergate.	Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway information systems.	5	\$480,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
13	Terminal 4 Pier 1 Site Preparation	Remove Berths 405 and 408, the grain leg platform and tower, and the grain elevator 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	\$38,000,000	•	Rivergate
14	Marine Drive ITS Improvement	Install a CCTV at Portland Road and changeable message signs at N. Portland Road, North Vancouver Way and NE 185th Drive.	Improve traffic efficiency in the Columbia Corridor.	10	\$200,000	•	Rivergate
15	T4 Pier 1 Tracks 704-709	Perform upgrades and rehabilitation on tracks 704-709.	Support rail car storage needs of Terminal 4 tenants	5	\$450,000	✓	Rivergate
16	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.	10	\$7,800,000	✓	Rivergate
17	T4 Second Entrance	Design and construct a second entrance to Terminal 4.	Support additional rail expansion at the terminal.	5	\$12,000,000	✓	Rivergate
18	Terminal 5 Entrance Road	Provide secondary access road and rehabilitate existing pavement.	The project will address anticipated traffic needs.	5	\$1,058,122	✓	Rivergate
19	Columbia River Mouth Jetty Refurbishment	With Jetty A now complete, 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	\$239,000,000	✓	Rivergate
20	Time Oil Road Reconstruction	Reconstruct Time Oil Road.	Provide improved access to South Rivergate industrial area.	10	\$9,000,000	•	Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
21	Rivergate Boulevard Overcrossing	Grade separate the South Rivergate Lead at Rivergate Blvd.	Improve rail and vehicle traffic flow in Rivergate Industrial District.	5	\$19,549,000	✓	Rivergate
22	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	\$2,750,000	•	T2/Swan Island
23	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
24	Terminal 2 Yard and Rail Improvement	Reconstruct rail and pavement at Terminal 2.	Increase rail and yard operating efficiencies at Terminal 2.	5	\$16,500,000	✓	T2/Swan Island
25	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
26	New Dredge Tender	Replace the existing vintage tugboat W.L. Williams with a newly constructed modern work-boat vessel. Repower tugboat Clackamas.	Improve operational support for Dredge Oregon dredging operations and improve environmental performance.	5	\$7,600,000	✓	T2/Swan Island
27	T2 Crane Drives and Cabs for Cranes 2371 and 2372	Crane management system and cab upgrades for Cranes 2371 and 2372.	Improve operational efficiencies for the cargo handling cranes.	5	\$2,600,000	•	T2/Swan Island

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
28	Dredge Oregon Support Equipment	Repower or replace navigation equipment including support vessels and landside equipment such as bulldozers.	Improve productivity and environmental performance.	5	\$2,000,000	•	T2/Swan Island
29	TTD Reconstruct runway 7- 25	Reconstruct existing 150' x 5400' runway; narrow to 75' wide, reduce length to 4500', relocate/reconstruct edge lighting, construct required drainage improvements.	Project identified in 2004 TTD Master Plan.	5	\$18,000,000	•	East County
30	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
31	Sundial Road at Graham Road	Install traffic signal.	Address traffic growth at Troutdale Reynolds Industrial Park.		\$1,000,000	•	East County
32	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
33	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
34	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

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
35	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
36	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
37	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 bus shuttle through Tri Met.	Fulfill TDM requirements of PDX Master Plan. Implement TDM projects and programs recommended in the PDX Alternative Modes Study.	5			PDX/PIC
38	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.	5	\$6,700,000		PDX/PIC
39	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
40	PDX Roadways Signing Update	Update roadway signs to current national guidelines.	Support customer experience and safety.	5			PDX/PIC
41	33rd Avenue/Marine Drive Intersection Improvements	Signalize and modify 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
42	Alderwood Street Bikeway	Provide bike lanes or pathway on Alderwood Road between Columbia Blvd. and the Alderwood Trail.	Improve safety and provide better separation from motor vehicle traffic.	5	\$2,500,000		PDX/PIC

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IVIAP ID	Project Name	Project Description	Purpose	(Tears)	Total Cost	Priority	Area Map
43	82nd/Airport Way Interim Improvements	Modify intersection, signals, and sidewalks between Airport Way and Frontage Road.	Interim improvements to address congestion at the intersection.	5			PDX/PIC
44	Bicycle/Pedestrian Upgrades	Modify existing paths and routes along N. Frontage Road and 82nd Avenue.	Implement recommendations from independent audit.	10			PDX/PIC
45	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
46	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.	10	\$1,050,000		Hillsboro
47	HIO Reconstruct Runway 13R/31L	Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements.	Provide improvements identified in HIO 2006 Master Plan.	5	\$34,700,000		Hillsboro
48	HIO 13R-31L RSA Modifications	Implement modifications to reduce waterfowl habitat in the runway safety area.	Modify and mitgate for water features in the runway safety area.	5	\$4,725,000		Hillsboro
49	HIO Taxiway A Reconstruction	Rehabilitate full length parallel Taxiway A including drainage, lighting, and markings.	Provide improvements identified in HIO 2006 Master Plan	5	\$13,000,000		Hillsboro

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
50	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.	Expand rail capacity and reduce delays for greater efficiency.	10	\$25,382,000		Rivergate
51	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
52	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
53	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
54	West Hayden Island Rail Access	Rail access from the mainline to support West Hayden Island development.	Advance rail-dependent development.	20	\$3,000,000		Rivergate
55	West Hayden Island Rail Yard	Construct rail yard connected to facility trackage.	Advance rail development on West Hayden Island.	20	\$9,500,000		Rivergate
56	West Hayden Island Interior Access Road	Construct interior roadway including rail overpass and berth access.	Provide roadway for new West Hayden Island terminal.	20	\$13,600,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
57	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
58	Marine Dr. Improvement Phase 2	Construct rail overcrossing on Marine Dr.	Avoid road/rail conflict.	20	\$13,644,200		Rivergate
59	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
60	Lower Columbia River Channel Management Plan	Establish a plan to manage recurring deposition of Columbia River dredge material from the navigation channel.	Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years.	10	\$1,500,000		Rivergate
61	Columbia River Anchorage Improvements	Increase number and size of anchorages up and down the Columbia River.	Allow for additional vessel capacity in the river for efficiency and safety reasons.	5			Rivergate
62	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
63	T6 Development Project	This program includes an additional truck gate, terminal electrical upgrades, yard cranes, 6,800' arrival and 8,500' departure tracks, pavement and stormwater system renewal.	This program is needed to upgrade the terminal.	10	\$80,000,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
64	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 Berth 416. This will help the Port retain and grow key services and to be a leader in transportation infrastructure.	5	\$1,000,000		Rivergate
65	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
66	BNSF Fallbridge Double Tracking	Double-track the Fallbridge line to Washougal.	Increases capacity of the BNSF east-west mainline serving Port of Portland.	10	\$72,000,000		Rivergate
67	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. Tied to Willamette River Channel Deepening. Cost TBD.	Allow better utilization of Panamax-class bulk vessels.	10			Rivergate
68	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
69	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

		Time Frame			
Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
Storage, rail receiving, vessel loadout, and conveyance.	Capture small lot bulk opportunity.	5	\$30,000,000		T2/Swan Island
Lay Design, permit berth deepening, electrical upgrades, fendering, and vehicle access for Berth 315.	The project is needed to allow vessels to lay berth at B315. This will help the Port retain and grow key services and to be a leader in transportation infrastructure.	5	\$3,500,000		T2/Swan Island
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
Install Dispatcher Controlled Power es 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
so 4 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
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
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	\$2,020,043		East County
:0	Switches between Lake Yard and Terminal 2. 4 Sandy Blvd. widen to 4 lanes and center turn lane (181st-202nd) with sidewalks and bike lanes. 3 Sandy Blvd. widen to 3 lanes (207th to 238th), add sidewalks and bike lanes. Add right turn lanes on all approaches and second northbound and southbound left	Switches between Lake Yard and Terminal 2. trains to travel from Lake Yard to Terminal 2, reducing blockage of mainline. 4 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. 3 Sandy Blvd. widen to 3 lanes (207th to 238th), add sidewalks and bike lanes. Improve east-west capacity and serve adjacent developing industrial property. Add right turn lanes on all approaches and second northbound and southbound left affecting access to Gresham	Switches between Lake Yard and Terminal 2.	Switches between Lake Yard and Terminal 2. Yard to Terminal 2, reducing blockage of mainline. 4 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. 3 Sandy Blvd. widen to 3 lanes (207th to 238th), add sidewalks and bike lanes. Improve east-west capacity and serve adjacent developing industrial property. Add right turn lanes on all approaches and second northbound and southbound left affecting access to Gresham	Switches between Lake Yard and Terminal 2.

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
77	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	\$3,507,190		East County
78	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
79	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

Project Name: Alderwood and Columbia Blvd. Intersection

Map ID:	1 Time Frame (Years): 5 years	rs <u>Total Cost:</u>	\$5,058,349
Project Type:	Road	Year of Cost	2013
Operation Area	PDX/PIC	Estimate:	
Project Description:	Widen and signalize intersection on Columbia Boule	Federal:	\$4,538,856
	Alderwood Rd.	<u>State.</u>	
		<u>City:</u>	
Purpose:	Provide transportation link to the cargo area located		
	the south airport area and to support Columbia Confreight movement.	Committed:	\$519,493
JDE NUM:	810020	<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:	10336	<u>Private:</u>	
Recent Study:	Airport Futures Transportation Impact Study (2010)	Other:	
Port Stratogic Area	Retain and Grow Key Services	Unfunded:	
RTP 2040 Illustra		Estimate Rating: 2b	
▼ RTP 2040 Consti	_	Louinate Hating. 25	
Project Name:	Cully Blvd. and Columbia Blvd. In: 2 Time Frame (Years): 5 years	rs <u>Total Cost:</u>	\$6,575,000
Project Type:	Road	<u>Year of Cost</u> <u>Estimate:</u>	2013
Operation Area	PDX/PIC	<u> </u>	
Project Description:	Widen and signalize intersection on Columbia Bould		
	Cully Blvd.	<u>City:</u>	
		SDC:	
Purpose:	Provide transportation link to the cargo area located the south airport area and to support Columbia Corr	within	
	freight movement.	Committed:	
JDE NUM:		Port Share	
RTP Related:	10336	<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	Airport Futures Transportation Impact Study (2010)	Other:	
		<u>Unfunded:</u>	\$6,575,000
	Retain and Grow Key Services	Estimate Rating: 2b	φυ,υτυ,υυυ
✓ RTP 2040 Illustra	tive Conditioned Project	Esumate nating: 20	
✓ RTP 2040 Consti	ained Identified in STIP		

Project Name: PDX NEXT

мар ір:	3 I ime Frame (Years): 5 years	<u> I otal Cost:</u>	\$2,000,000,000
Project Type:	Aviation	Year of Cost	201 7
Operation Area	PDX/PIC	<u>Estimate:</u> <u>Federal:</u>	2017
Project Description:	Includes Terminal Core, Terminal Balancing, and PACF	~	
	projects.	<u>State.</u>	
		<u>City:</u> SDC:	
Purpose:	Expand airport capacity, functionality, and resilience.	Port Share	
		Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:		<u>Private:</u>	
Recent Study:	Airport Futures	Other:	
Port Strategic Area	Retain and Grow Key Services	<u>Unfunded:</u>	
RTP 2040 Illustra		Estimate Rating: 30	;
RTP 2040 Consti		_	
Map ID:	82nd Ave./Airport Way Grade Separa4 Time Frame (Years): 10 years	<u>Total Cost:</u>	\$75,000,000
•		<u>rotal Cost:</u> <u>Year of Cost</u>	\$75,000,000
Project Type: Operation Area	PDX/PIC	Estimate:	2016
-		<u>Federal:</u>	
Project Description.	Construct grade-separated overcrossing.	State:	
		<u>City:</u>	
Purpose:	Provide efficient movement of traffic to PDX properties.	SDC:	
		Port Share Committed:	
JDE NUM:	101474	Port Share	
RTP Related:	10362	<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	Airport Futures Transportation Impact Study (2010)	Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$75,000,000
✓ RTP 2040 Illustra		Estimate Rating: 30	;
✓ RTP 2040 Consti	rained Identified in STIP		

RTP 2040 Constrained

Project Name: Cornfoot Road Multimodal Safety Improvements **Map ID**: 5 Time Frame (Years): **Total Cost:** 5 years \$3,708,539 **Year of Cost** Project Type: Bike/Ped 2013 **Estimate:** Operation Area PDX/PIC Federal: Project Description: Provide a separated multi-use path on the north side of NE State: Cornfoot Road City: SDC: Purpose: Increase safety and provide improved bicycle and pedestrian access along NE Cornfoot Road. Port Share **Committed: Port Share** JDE NUM: Forecasted: RTP Related: 10340 Private: **Recent Study:** Other: **Unfunded:** \$3.708.539 Port Strategic Area: Regional Leadership in Transportation **Estimate Rating:** ✓ RTP 2040 Illustrative Conditioned Project **▼** RTP 2040 Constrained Identified in STIP Project Name: HIO Relocate Charlie Pattern Landing Site **Map ID**: 6 Time Frame (Years): **Total Cost:** 5 years \$391,000 **Year of Cost** Project Type: Aviation 2014 **Estimate:** Operation Area Hillsboro Federal: **Project Description:** Construct a new landing site for helicopters that use the State: Charlie flight pattern at HIO. City: SDC: **Purpose:** Serve helicopter training operations, and avoid operations over noise sensitive residential zones. **Port Share** Committed: Port Share JDE NUM: 101032 Forecasted: **RTP Related:** Private: **Recent Study:** Other: **Unfunded:** \$391.000 Port Strategic Area: Retain and Grow Key Services **Estimate Rating:** RTP 2040 Illustrative Conditioned Project

Identified in STIP

✓ RTP 2040 Illustrative

✓ RTP 2040 Constrained

Project Name: HIO Relocate Taxiway AA Map ID: 7 Time Frame (Years): **Total Cost:** 5 years \$7,300,000 **Year of Cost** Project Type: Aviation 2016 **Estimate:** Operation Area Hillsboro Federal: Project Description: Relocate Taxiway AA 122 feet to the east and extend from State: Exit A5 to Taxiway G. City: SDC: Purpose: Replace existing Taxiway AA with a new taxiway with the appropriate design separation from Taxiway A. Construct a Port Share perimeter road extension between Taxiway AA and existing **Committed:** tenant ramps. **Port Share** JDE NUM: 101030 Forecasted: **RTP Related:** Private: **Recent Study:** Other: **Unfunded:** \$7.300.000 Port Strategic Area: Retain and Grow Key Services **Estimate Rating:** RTP 2040 Illustrative Conditioned Project RTP 2040 Constrained Identified in STIP Project Name: <u>T6 Crane Drives for Cranes 6380 and 6381</u> **Map ID**: 8 Time Frame (Years): **Total Cost:** 5 years \$2,000,000 **Year of Cost** Project Type: Marine 2014 **Estimate: Operation Area** Rivergate Federal: Project Description: Crane management system upgrades for Cranes 6380 and State: City: SDC: **Purpose:** Improve operational efficiencies for the container cranes. **Port Share** Committed: Port Share JDE NUM: Forecasted: RTP Related: 11207 Private: **Recent Study:** Other: **Unfunded:** \$2,000,000 Port Strategic Area: Retain and Grow Key Services

Conditioned Project

Identified in STIP

Estimate Rating:

RTP 2040 Constrained

Project Type: Marine Rivergate Rivergate Recent Study: Other: RTP 2040 Constrained RTP 2040 C	Project Name:	T6 Auto Terminal		
Operation Area Rivergate	Map ID:	9 Time Frame (Years): 5 years	Total Cost:	\$35,000,000
Operation Area Rivergate Federal: Project Description: Pavement renewal, processing building, rail ramp and office. State: City: SDC: Purpose: Capture demand for mid level auto account. Port Share Committed: Committed: Private: RTP Related: Private: Recent Study: Other: Port Strategic Area: Retain and Grow Key Services Unfunded: RTP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP Project Name: T6 Berth 603 Low Dock Map ID: 10 Time Frame (Years): 5 years Total Cost: \$8,000,000 Project Type: Marine Year of Cost Estimate: Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: Port Share Forecasted: RTP Related: Private: RTP Related: Private: Other:	Project Type:	Marine		2017
Project Description: Pavement renewal, processing building, rail ramp and office. State: City: SDC: Purpose: Capture demand for mid level auto account. Port Share Committed: Committed: SDC: Port Share Committed: Committed: SDC: Port Share Committed: SDC: Port Share Committed: STP Related: RTP Related: Recent Study: Other: Port Strategic Area: Retain and Grow Key Services STP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP Project Name: RTP 2040 Constrained Identified in STIP Project Type: Marine Year of Cost Estimate: Operation Area Rivergate Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: RTP Related: Private: Recent Study: Other:	Operation Area	Rivergate		2017
Purpose: Capture demand for mid level auto account. Port Share Committed: JDE NUM: RTP Related: Recent Study: Port Strategic Area: Retain and Grow Key Services RTP 2040 Illustrative Conditioned Project RTP 2040 Constrained Identified in STIP Project Name: RTP 2040 Constrained Identified in STIP Project Name: RTP 2040 Constrained Identified in STIP Project Name: RTP 2040 RTP 2040 Constrained Identified in STIP Project Name: RTP Related: REcent Study: RTP Related: Recent Study: City: SDC: Port Share Committed: Private: Recent Study: City: SDC: Port Share Forecasted: Private: Recent Study: City: City: SDC: Port Share Forecasted: Private: Recent Study: City: City: City: SDC: Port Share Forecasted: Private: Committed: Private: Recent Study: City: Cit	Project Description:	Pavement renewal, processing building, rail ramp and office.		
Purpose: Capture demand for mid level auto account. Port Share Committed: JDE NUM: RTP Related: Recent Study: Port Strategic Area: Retain and Grow Key Services RTP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP Project Name: RTP 2040 Constrained Identified in STIP Project Type: Map ID: 10 Time Frame (Years): 5 years Total Cost: S8,000,000 Project Type: Marine Year of Cost Estimate: Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Port Share Committed: JDE NUM: RTP Related: General Study: Other: Port Share Forecasted: Private: Recent Study: Other:				
Purpose: Capture demand for mid level auto account. Port Share Committed: JDE NUM: RTP Related: Recent Study: Port Strategic Area: Retain and Grow Key Services RTP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP Project Name: RTP 2040 Constrained Identified in STIP Project Type: Marine Operation Area Rivergate Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: RTP Related: Recent Study: Other: Port Share Forecasted: Private: Recent Study: Other: Port Share Forecasted: Private: Recent Study: Other: Port Share Forecasted: Private: Other: Port Share Forecasted: Private: Other: Committed: Private: Privat				
RTP Related: Recent Study: Port Strategic Area: Retain and Grow Key Services RTP 2040 Illustrative RTP 2040 Constrained RTP 2040 Reprint 603 Low Dock Map ID: 10 Time Frame (Years): 5 years Project Type: Marine RTP 2040 Reprint 603 Low Dock Project Type: Marine RTP 2040 Reprint 603 Low Dock Project Type: Marine REderal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Purt Share Committed: Port Share Forecasted: RTP Related: RTP Related: RECENT Study: Other:	Purpose:	Capture demand for mid level auto account.	Port Share	
RTP Related: Recent Study: Port Strategic Area: Retain and Grow Key Services RTP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP	JDE NUM:			
Port Strategic Area: Retain and Grow Key Services RTP 2040 Illustrative Conditioned Project RTP 2040 Constrained Identified in STIP Project Name: Map ID: 10 Time Frame (Years): 5 years Project Type: Marine Operation Area Rivergate Project Description: Modify existing berth for roll on-roll off (RORO) vessels. Purpose: Capture demand for high and heavy cargo. Port Share Committed: RTP Related: RECent Study: Other:	RTP Related:			
RTP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP Project Name: T6 Berth 603 Low Dock Map ID: 10 Time Frame (Years): 5 years Total Cost: \$8,000,00 Project Type: Marine Year of Cost Estimate: 201 Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Port Share Committed: JDE NUM: Port Share Forecasted: RTP Related: Private: Recent Study: Other:	Recent Study:		Other:	
RTP 2040 Illustrative Conditioned Project Estimate Rating: RTP 2040 Constrained Identified in STIP	Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$35,000,000
Map ID: 10 Time Frame (Years): 5 years Total Cost: \$8,000,00 Project Type: Marine Rivergate Estimate: 201 Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: Forecasted: RTP Related: Private: Recent Study: Other:		<u> </u>	timate Rating:	
Project Type: Marine Year of Cost Estimate: 201' Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: Port Share Forecasted: Private: RTP Related: Private: Recent Study: Other:	Project Name:	T6 Berth 603 Low Dock		
Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Purpose: Capture demand for high and heavy cargo. Port Share Committed: Committed: RTP Related: Private: Recent Study: Other:	Map ID:	10 Time Frame (Years): 5 years		\$8,000,000
Operation Area Rivergate Federal: Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Purpose: Capture demand for high and heavy cargo. Port Share Committed: Committed: RTP Related: Private: Recent Study: Other:	Project Type:	Marine		2017
Project Description: Modify existing berth for roll on-roll off (RORO) vessels. State: City: SDC: Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: RTP Related: RTP Related: Recent Study: Other:	Operation Area	Rivergate		
Purpose: Capture demand for high and heavy cargo. Port Share Committed: JDE NUM: RTP Related: Recent Study: City: SDC: Port Share Forecasted: Private: Other:	Project Description:	Modify existing berth for roll on-roll off (RORO) vessels.	<u></u>	
Purpose: Capture demand for high and heavy cargo. Port Share Committed: Port Share Forecasted: RTP Related: Recent Study: Other:				
JDE NUM: RTP Related: Recent Study: Port Share Committed: Port Share Forecasted: Private: Other:			 _	
RTP Related: Recent Study: Study: Private: Other:	Purpose:	Capture demand for high and heavy cargo.	Port Share	
RTP Related: Recent Study: Other:	JDE NUM:			
Recent Study: Other:	RTP Related:			
Other.	Recent Study:			
POR Strategic Area: Retain and Grow Key Services	David Christiania Acce			¢8 000 000
RTP 2040 Illustrative Conditioned Project Estimate Rating:		·		φο,υυυ,υυυ

Identified in STIP

Project Name:	Barnes to Terminal 4 Rail		
Map ID:	11 Time Frame (Years): 5 years	Total Cost:	\$10,543,000
Project Type:	Rail	Year of Cost	2016
Operation Area	Rivergate	Estimate:	2010
Project Description:	Provide a new track from Barnes Yard to Terminal 4.	<u>Federal:</u>	
	Includes replacement of Lombard Bridge.	State:	
		City:	
Purpose:	Improve rail access to Terminal 4.	<u>SDC:</u> <u>Port Share</u> <u>Committed:</u>	
		Port Share	
JDE NUM:		Forecasted:	
RTP Related:		Private:	
Recent Study:	Marine Terminal Master Plan 2020 (2003)	Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	\$10,543,000
✓ RTP 2040 Illustra	tive Conditioned Project	Estimate Rating: 30	
✓ RTP 2040 Consti	rained Identified in STIP		
Project Name:	Rivergate ITS		
Project Name: Map ID:		Total Cost:	\$480,000
		Year of Cost	
Map ID:	12 Time Frame (Years): 5 years	Year of Cost Estimate:	\$480,000 2007
Map ID: Project Type: Operation Area	12 Time Frame (Years): 5 years	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	12 Time Frame (Years): 5 years ITS Rivergate	Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	12 Time Frame (Years): 5 years ITS Rivergate	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	12 Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate. Improve traffic efficiency in Rivergate by connecting	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	12 Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate.	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate. Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway information systems.	Year of Cost Estimate: Federal: State: City: SDC: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate. Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway information systems.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate. Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway information systems.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate. Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway information systems.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Time Frame (Years): 5 years ITS Rivergate Intelligent Transportation System in Rivergate. Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway information systems.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2007

Project Name:	Terminal 4 Pier 1 Site Preparation		
Map ID:	13 Time Frame (Years): 5 years	Total Cost:	\$38,000,000
Project Type:	Marine	Year of Cost	2015
Operation Area	Rivergate	<u>Estimate:</u> <u>Federal:</u>	2010
Project Description:	Remove Berths 405 and 408, the grain leg platform and	Stata	
	tower, and the grain elevator in the Pier 1 area of Terminal 4.	<u>City:</u>	
		SDC:	
Purpose:	This project will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in the Portland Harbor.	Port Share Committed:	
JDE NUM:	810048, 810049	Port Share Forecasted:	
RTP Related:	11208	Private:	
Recent Study:	Terminal 4 Pier 1 Facility Plan (TEC Inc.)	Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	<u>Unfunded:</u>	\$38,000,000
✓ RTP 2040 Illustra		<u>Estimate Rating:</u>	
✓ RTP 2040 Consti	rained Identified in STIP		
Project Name:	Marine Drive ITS Improvement 14 Time Frame (Years): 10 years	<u>Total Cost:</u>	\$200,000
Project Type:	ITS	Year of Cost	
Operation Area	Rivergate	<u>Estimate:</u>	2007
-	Install a CCTV at Portland Road and changeable message	<u>Federal:</u>	
,	signs at N. Portland Road, North Vancouver Way and NE	State:	
	isoar Billo.	<u>City:</u>	
Purpose:	Improve traffic efficiency in the Columbia Corridor.	SDC:	
		Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
RTP Related:	10346	<u>Porecasted.</u> <u>Private:</u>	
Recent Study:	Columbia Multimodal Corridor Study 2012	Other:	
Port Strategic Area	Regional Leadership in Transportation	<u>Unfunded:</u>	\$200,000
		Estimate Rating:	

Identified in STIP

✓ RTP 2040 Constrained

Project Name:	T4 Pier 1 Tracks 704-709		
Map ID:	15 Time Frame (Years): 5 years	Total Cost:	\$450,000
Project Type:	Marine	Year of Cost	0010
Operation Area	Rivergate	Estimate:	2013
Project Description:	Perform upgrades and rehabilitation on tracks 704-709.	<u>Federal:</u>	
		State:	
		<u>City:</u>	
Purpose:	Support rail car storage needs of Terminal 4 tenants	SDC:	
		Port Share Committed:	
JDE NUM:		<u>Port Share</u> Forecasted:	
RTP Related:	11208	<u>Private:</u>	
Recent Study:	Port Rail Plan	Other:	
Port Strategic Area	Retain and Grow Key Services	<u>Unfunded:</u>	\$450,000
RTP 2040 Illustra	,	Estimate Rating:	
✓ RTP 2040 Const	_		
Project Name:	T4 Berth 410, 411 Rail Yard Improvement		
Project Name:	T4 Berth 410, 411 Rail Yard Improvements 16 Time Frame (Years): 10 years	Total Cost:	\$7,800,000
Project Name: Map ID: Project Type:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years		\$7,800,000 2015
Project Name: Map ID: Project Type: Operation Area	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate	Total Cost: Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years	Total Cost: Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail	Total Cost: Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC:	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard. Improve the efficiency of the rail yard by creating additional	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard. Improve the efficiency of the rail yard by creating additional rail capacity.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard. Improve the efficiency of the rail yard by creating additional rail capacity.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard. Improve the efficiency of the rail yard by creating additional rail capacity.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard. Improve the efficiency of the rail yard by creating additional rail capacity. 100658 Port Rail Plan	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	T4 Berth 410, 411 Rail Yard Improvement 16 Time Frame (Years): 10 years Rail Rivergate Construct additional rail track in the Berth 410 and 411 Rail Yard. Improve the efficiency of the rail yard by creating additional rail capacity. 100658 Port Rail Plan Retain and Grow Key Services	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2015

Project Name:	T4 Second Entrance		
Map ID:	17 Time Frame (Years): 5 years	Total Cost:	\$12,000,000
Project Type:	Road	Year of Cost	0016
Operation Area	Rivergate	Estimate:	2016
Project Description:	Design and construct a second entrance to Terminal 4.	<u>Federal:</u>	
		State:	
		<u>City:</u>	
Purpose:	Support additional rail expansion at the terminal.	SDC: Port Share Committed:	
JDE NUM:	100470	Port Share Forecasted:	
RTP Related:		<u>Private:</u>	
Recent Study:	Terminal 4 Pier 1 Facilty Plan	Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$12,000,000
RTP 2040 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2040 Consti	rained		
Project Name:	Terminal 5 Entrance Road		
Project Name:		Total Cost:	\$1,058,122
		Total Cost: Year of Cost	\$1,058,122
Map ID:	18 Time Frame (Years): 5 years	Year of Cost Estimate:	\$1,058,122 2016
Map ID: Project Type: Operation Area	18 Time Frame (Years): 5 years Road Rivergate	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	18 Time Frame (Years): 5 years	Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	18 Time Frame (Years): 5 years Road Rivergate Provide secondary access road and rehabilitate existing	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	18 Time Frame (Years): 5 years Road Rivergate Provide secondary access road and rehabilitate existing	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	18 Time Frame (Years): 5 years Road Rivergate Provide secondary access road and rehabilitate existing pavement.	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	Road Rivergate Provide secondary access road and rehabilitate existing pavement. The project will address anticipated traffic needs.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	Road Rivergate Provide secondary access road and rehabilitate existing pavement. The project will address anticipated traffic needs.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	Time Frame (Years): 5 years Road Rivergate Provide secondary access road and rehabilitate existing pavement. The project will address anticipated traffic needs.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Road Rivergate Provide secondary access road and rehabilitate existing pavement. The project will address anticipated traffic needs.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Road Rivergate Provide secondary access road and rehabilitate existing pavement. The project will address anticipated traffic needs. Retain and Grow Key Services	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2016

Project Name: Columbia River Mouth Jetty Refurbishment

Map ID:	19	Time Frame (Years):	5 years	Total Cost:	\$239,000,000
Project Type:	Marine			Year of Cost Estimate:	2016
Operation Area	Rivergate			<u>Federal:</u>	\$22,000,000
Project Description:		A now complete, refurbish and i		State:	4 ,000,000
	and south j	jetties at the mouth of the Colur	fibia River.	<u>City:</u>	
				SDC:	
Purpose:	This is a cri	tical repair of the jetties at the C	Columbia River Bar.		
				Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
RTP Related:				<u>Private:</u>	
Recent Study:				Other:	
				<u>Unfunded:</u>	\$217,000,000
		eadership in Transportation	_		φ217,000,000
RTP 2040 Illustra		Conditioned Project Identified in STIP	<u> </u>	stimate Rating:	
		il Road Reconstructi	<u>on</u>		
Map ID:	20	Time Frame (Years):	10 years	Total Cost:	\$9,000,000
Project Type:	Road			Year of Cost Estimate:	2013
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Reconstruc	et Time Oil Road.		State:	
				City:	
_				SDC:	
Purpose:	Provide imp	proved access to South Riverga	ate industrial area.	Port Share	
				Committed:	
JDE NUM:				Port Share	
RTP Related:	11654			Forecasted: Private:	
Recent Study:					
•				Other:	ФО 000 000
		eadership in Transportation	_	<u>Unfunded:</u>	\$9,000,000
✓ RTP 2040 Illustra		Conditioned Project	<u>E</u>	stimate Rating:	
✓ RTP 2040 Const					

Project Name:	Rivergate Boulevard Overcrossing		
Map ID:	21 Time Frame (Years): 5 years	Total Cost:	\$19,549,000
Project Type:	Road	Year of Cost	2015
Operation Area	Rivergate	Estimate:	
Project Description:	Grade separate the South Rivergate Lead at Rivergate Blv		\$10,549,000
		<u>State.</u>	\$5,000,000
		City:	φ5,000,000
Purpose:	Improve rail and vehicle traffic flow in Rivergate Industrial District.	<u>SDC:</u> <u>Port Share</u> <u>Committed:</u>	
JDE NUM:	810067	Port Share	
RTP Related:		Forecasted:	\$4,000,000
Recent Study:		Private:	
•		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	ative Conditioned Project	Estimate Rating: 2b	
✓ RTP 2040 Const	rained Identified in STIP		
Project Name:	Terminal 2 Crane Upgrades	Tabel Occid	
Project Name:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years	Total Cost:	\$2,750,000
Project Name: Map ID: Project Type:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine	<u>Total Cost:</u> <u>Year of Cost</u> <u>Estimate:</u>	\$2,750,000 2015
Project Name: Map ID: Project Type: Operation Area	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island	Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine	Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk	Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area Project Description:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes.	Year of Cost Estimate: Federal: State: City: SDC:	
Project Name: Map ID: Project Type: Operation Area Project Description:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk	Year of Cost Estimate: Federal: State: City: SDC: Port Share	
Project Name: Map ID: Project Type: Operation Area Project Description:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes. The improvements will increase the suitability and efficience	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes. The improvements will increase the suitability and efficience	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes. The improvements will increase the suitability and efficience of the cranes to handle bulk cargoes.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes. The improvements will increase the suitability and efficience of the cranes to handle bulk cargoes. 102265, 102315 11649	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes. The improvements will increase the suitability and efficience of the cranes to handle bulk cargoes. 102265, 102315 11649	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Terminal 2 Crane Upgrades 22 Time Frame (Years): 5 years Marine T2/Swan Island The project will modify and upgrade Cranes 2371 and 237 located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes. The improvements will increase the suitability and efficience of the cranes to handle bulk cargoes. 102265, 102315 11649 Retain and Grow Key Services	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2015

Project Name:	PSU ITS Expansion		
Map ID:	23 Time Frame (Years): 5 years	Total Cost:	
Project Type:	ITS	Year of Cost	
Operation Area	T2/Swan Island	Estimate:	
Project Description:	Expand PSU's existing web based ITS "count sensor"	<u>Federal:</u>	
	program beyond the freeway to some key arterials throughout the region and create a repository of regional	State:	
	freight data.	<u>City:</u>	
Purpose:	To secure truck flow and congestion data.	SDC:	
		Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
RTP Related:	10377	<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	
✓ RTP 2040 Illustra		Estimate Rating:	
▼ RTP 2040 Constr	,	_	
Project Name:	Terminal 2 Yard and Rail Improvement		
Map ID:	Time Frame (Years): 5 years		\$16,500,000
Project Type:	Rail	Year of Cost Estimate:	2016
Operation Area	T2/Swan Island	<u>Federal:</u>	
Project Description:	Reconstruct rail and pavement at Terminal 2.	<u>r ederar:</u> State:	
		City:	
		SDC:	
Purpose:	Increase rail and yard operating efficiencies at Terminal 2	Port Share	
		Committed:	
JDE NUM:		Port Share Forecasted:	
RTP Related:	11649	Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$16,500,000
✓ RTP 2040 Illustra	<u> </u>	Estimate Rating: 30	
✓ RTP 2040 Constr	rained Identified in STIP		

Unfunded:

Estimate Rating: 3c

\$7.600.000

Project Name: <u>Dredge Oregon Pipe, Scows and Pontoons</u> Map ID: 25 Time Frame (Years): 5 years **Total Cost:** \$10,200,000 Year of Cost Project Type: Marine 2014 **Estimate:** Operation Area T2/Swan Island Federal: Project Description: Acquire 2,000 feet of dredge pipe, pontoons, anchor scows State: and anchors. City: SDC: Purpose: Allow Dredge Oregon to make full use of recent repower and pump material 14,000 feet. Port Share **Committed: Port Share** JDE NUM: 102271 Forecasted: **RTP Related:** Private: **Recent Study:** Other: **Unfunded:** \$10.200.000 Port Strategic Area: Regional Leadership in Transportation Estimate Rating: 3c RTP 2040 Illustrative Conditioned Project RTP 2040 Constrained Identified in STIP Project Name: New Dredge Tender Map ID: 26 Time Frame (Years): **Total Cost:** 5 years \$7,600,000 **Year of Cost** Project Type: Marine Estimate: 2014 Operation Area T2/Swan Island Federal: Project Description: Replace the existing vintage tugboat W.L. Williams with a State: newly constructed modern work-boat vessel. Repower tugboat Clackamas. City: SDC: Purpose: Improve operational support for Dredge Oregon dredging operations and improve environmental performance. **Port Share** Committed: Port Share JDE NUM: 101349, 102077 Forecasted: **RTP Related:** Private: **Recent Study:** Other:

Conditioned Project

Identified in STIP

Port Strategic Area: Regional Leadership in Transportation

RTP 2040 Illustrative

RTP 2040 Constrained

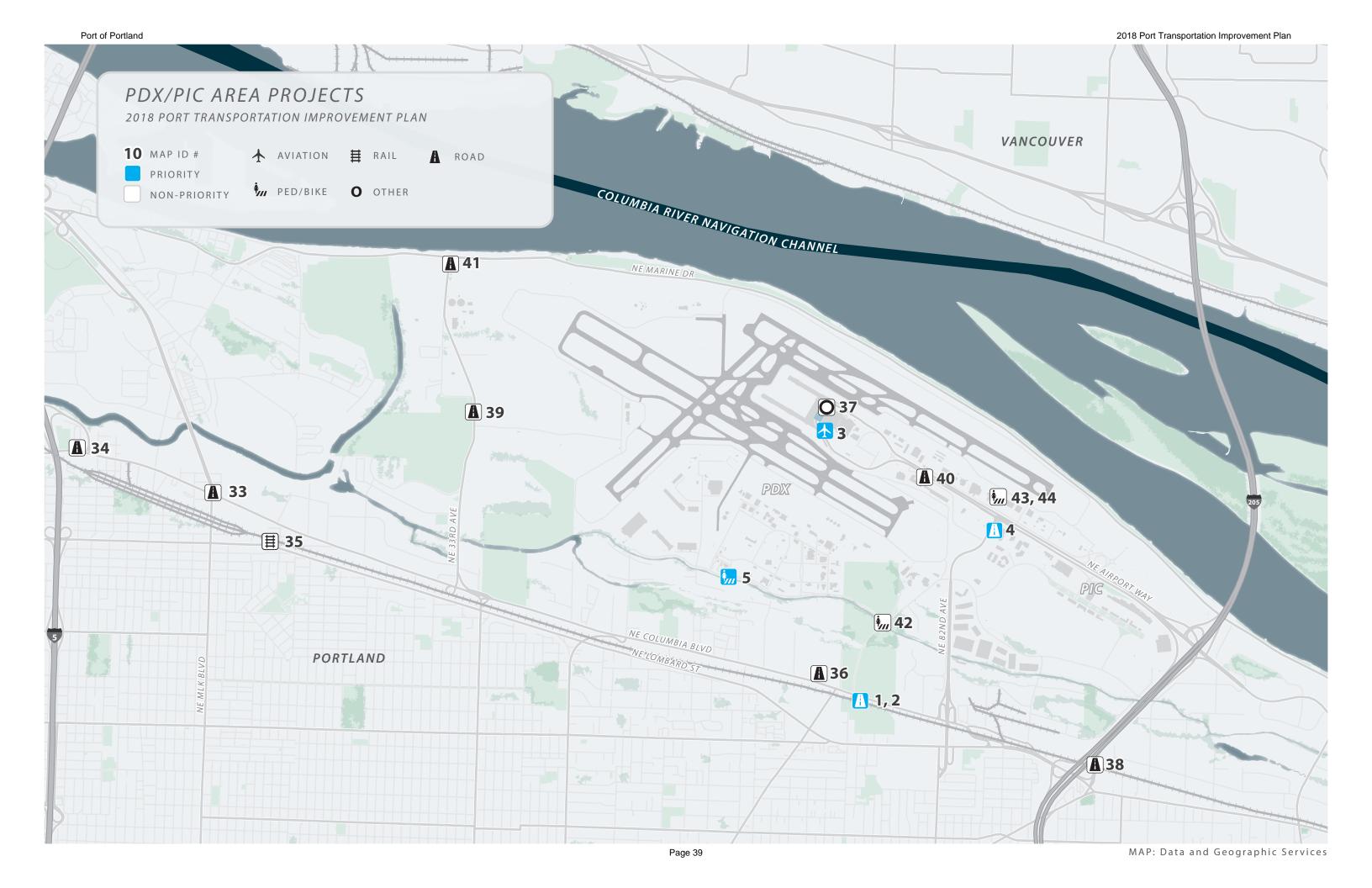
Project Name:	T2 Crane Drives and Cabs for Cranes	2371 and 2372	
Map ID:	Time Frame (Years): 5 years	Total Cost:	\$2,600,000
Project Type:	Marine	Year of Cost	0015
Operation Area	T2/Swan Island	Estimate:	2015
Project Description:	Crane management system and cab upgrades for Cranes	<u>Federal:</u>	
	2371 and 2372.	<u>State.</u>	
		<u>City:</u>	
Purpose:	Improve operational efficiencies for the cargo handling	SDC:	
	cranes.	Port Share Committed:	
JDE NUM:	101496	<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:		<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area	Retain and Grow Key Services	<u>Unfunded:</u>	\$2,600,000
RTP 2040 Illustra		Estimate Rating:	
RTP 2040 Const			
Project Name:	Dredge Oregon Support Equipment 28 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$2,000,000
		Year of Cost	
Map ID:	28 Time Frame (Years): 5 years	Year of Cost Estimate:	\$2,000,000 2015
Map ID: Project Type: Operation Area	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	28 Time Frame (Years): 5 years Marine T2/Swan Island	Year of Cost Estimate: Federal: ort State:	
Map ID: Project Type: Operation Area	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including suppressels and landside equipment such as bulldozers.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Map ID: Project Type: Operation Area Project Description:	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including suppressels and landside equipment such as bulldozers. Improve productivity and environmental performance.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including suppovessels and landside equipment such as bulldozers. Improve productivity and environmental performance.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including suppovessels and landside equipment such as bulldozers. Improve productivity and environmental performance.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	28 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including suppressels and landside equipment such as bulldozers. Improve productivity and environmental performance.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Marine T2/Swan Island Repower or replace navigation equipment including suppovessels and landside equipment such as bulldozers. Improve productivity and environmental performance.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2015

Project Name:	TTD Reconstruct runway 7-25		
Map ID:	29 Time Frame (Years): 5 years	Total Cost:	\$18,000,000
Project Type:	Aviation	Year of Cost	2010
Operation Area	East County	Estimate:	2010
Project Description:	Reconstruct existing 150' x 5400' runway; narrow to 75' wide	Federal:	
	reduce length to 4500', relocate/reconstruct edge lighting, construct required drainage improvements.	<u>State:</u> <u>City:</u>	
		SDC:	
Purpose:	Project identified in 2004 TTD Master Plan.	Port Share Committed:	
JDE NUM:	101039	Port Share Forecasted:	
RTP Related:		<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$18,000,000
RTP 2040 Illustra	_	Estimate Rating:	
Project Name:	40 Mile Loop Trail: Blue Lake Park to S	undial Rd.	
Project Name:		undial Rd. Total Cost:	\$3,424,073
		Total Cost: Year of Cost	\$3,424,073 2014
Map ID:	Time Frame (Years): 5 years	Total Cost: Year of Cost Estimate:	2014
Map ID: Project Type: Operation Area	30 Time Frame (Years): 5 years Bike/Ped East County Construct a mixed use off road trail connecting Blue Lake	Total Cost: Year of Cost	
Map ID: Project Type: Operation Area	30 Time Frame (Years): 5 years Bike/Ped East County	Total Cost: Year of Cost Estimate: Federal:	2014
Map ID: Project Type: Operation Area Project Description:	30 Time Frame (Years): 5 years Bike/Ped East County Construct a mixed use off road trail connecting Blue Lake Park and Sundial Road.	Total Cost: Year of Cost Estimate: Federal: State:	2014 \$3,072,421
Map ID: Project Type: Operation Area Project Description:	30 Time Frame (Years): 5 years Bike/Ped East County Construct a mixed use off road trail connecting Blue Lake	Total Cost: Year of Cost Estimate: Federal: State: City:	2014 \$3,072,421
Map ID: Project Type: Operation Area Project Description:	30 Time Frame (Years): 5 years Bike/Ped East County 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.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	2014 \$3,072,421 \$117,217
Map ID: Project Type: Operation Area Project Description: Purpose:	30 Time Frame (Years): 5 years Bike/Ped East County 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.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	2014 \$3,072,421 \$117,217
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	30 Time Frame (Years): 5 years Bike/Ped East County 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.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	2014 \$3,072,421 \$117,217
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Bike/Ped East County 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.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2014 \$3,072,421 \$117,217
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Bike/Ped East County 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. 102069 10408 Regional Leadership in Transportation	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	2014 \$3,072,421 \$117,217

✓ RTP 2040 Constrained

Project Name:	<u>Sundial</u>	Road at Graham Ro	<u>oad</u>		
Map ID:	31	Time Frame (Years):	years	Total Cost:	\$1,000,000
Project Type:	Road			Year of Cost	2017
Operation Area	East County	/		<u>Estimate:</u> <u>Federal:</u>	2017
Project Description:	Install traffic	signal.		<u>State:</u>	
				<u>City:</u>	
				SDC:	
Purpose:	Address traf	ffic growth at Troutdale Reynol	ds Industrial Park	Port Share	
				Committed:	
JDE NUM:				Port Share Forecasted:	
RTP Related:				<u>Private:</u>	
Recent Study:	Troutdale Re	eynolds Traffic Study		Other:	
Port Strategic Δrea	Regional Le	eadership in Industrial Lands		<u>Unfunded:</u>	\$1,000,000
RTP 2040 Illustra		Conditioned Project		Estimate Rating: 3c	
RTP 2040 Constr	ained	Identified in STIP			
Project Name:		ds Site Road Access Time Frame (Years):	s Phase 3	Total Cost:	
Project Type:	Road	(· · · · · · · · · · · · · · · · · · ·	. o years	Year of Cost	
Operation Area	East County	/		Estimate:	
-			ıetrial	<u>Federal:</u>	
r rojout Boodripuom	Road improvements to serve Phase 3 industrial development. Actual project will be developed in			<u>State:</u>	
	coordination with stakeholders.			<u>City:</u>	
Purpose:	Address off-	-site transportation impacts.		SDC:	
·				Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
RTP Related:	11231, 1123	32		<u>Private:</u>	
Recent Study:				Other:	
Port Strategic Area	Regional Lo	eadership in Industrial Lands		<u>Unfunded:</u>	
. J. C. alogio Alca.	r regional Le	addiship in industrial Larius			

Identified in STIP



Project Name: Columbia Blvd. Improvements at MLK

Map ID:	33 Time	e Frame (Years):	5 years <u>Total Cost:</u>	\$3,359,259
Project Type:	Road		<u>Year of Cost</u> <u>Estimate:</u>	2011
Operation Area	PDX/PIC		<u>Federal:</u>	\$3,014,263
Project Description:	Construct right turn	n lane on Columbia at MI	LK. State:	. , ,
			City:	\$ 344,996
			SDC:	, ,
Purpose:	Improve connective Blvd. and Rivergat	ity for freight traffic betwe	een Columbia	
	bivu. aliu nivelyal	e.	Port Share Committed:	
JDE NUM:			Port Share	
RTP Related:	10208		<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	Columbia Corridor	Transportation Study (19		
			<u>otner.</u>	
Port Strategic Area:	Regional Leadersh	nip in Transportation	<u>Unfunded:</u>	
✓ RTP 2040 Illustra	tive	Conditioned Proj	ject <u>Estimate Rating:</u>	
✓ RTP 2040 Constr	rained	✓ Identified in STIP		
Project Name:	I-5/Columbia	<u>a Blvd. Improver</u>	<u>ment</u>	
Map ID:	34 Time	e Frame (Years):	10 years <u>Total Cost:</u>	\$51,773,032
Project Type:	Road		Year of Cost	2006
Operation Area	PDX/PIC		Estimate:	2000
Project Description:	Construct a full into	erchange at Columbia Bl	Federal:	
,	functional equivale	nt. Includes three projec	cts: Delta Park State:	
	rnase ii and iii an	d Argyle on the Hill.	<u>City:</u>	
Purpose:	Improve connection	ns between Columbia Bl	SDC:	
	trucks.		Port Share Committed:	
JDE NUM:			Port Share	
RTP Related:	10010 10074		<u>Forecasted:</u>	
			Private:	
Hecent Study:	I-5 Delta Park Envi	ronmental Assessment (2	2006) <u>Other:</u>	
Port Strategic Area:	Regional Leadersh	nip in Transportation	<u>Unfunded:</u>	\$51,773,032
✓ RTP 2040 Illustra				
	itive	☐ Conditioned Proj	ject <u>Estimate Rating:</u>	

Project Name: 11th/13th (at Columbia Blvd.): Crossing Elimination

Map ID:	35 Time Fra	me (Years):	5 years	Total Cost:	\$1,000,000
Project Type:	Rail			Year of Cost	2007
Operation Area	PDX/PIC			Estimate:	2007
Project Description:	If feasible, eliminate the a	at-grade crossing a	and improve	<u>Federal:</u>	
	alternate roadway access			State:	
				<u>City:</u>	
Purpose:	Improve Kenton Mainline	operation and elin	minate a mod		
	conflict.			Port Share Committed:	
JDE NUM:				<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:	10334			<u>Private:</u>	
Recent Study:				Other:	
Port Strategic Area:	Pagional Londorphin in T	ranapartation		<u> </u>	\$1,000,000
RTP 2040 Illustra		Conditioned Proje	ect	Estimate Rating:	. , ,
✓ RTP 2040 Constr		dentified in STIP			
Project Name:	Columbia Blvd. \	Widening (82	2nd Ave.	60th Ave.)	
Map ID:	36 Time Fra	me (Years):	20 years	Total Cost:	\$15,000,000
Project Type:	Road				
Operation Area	PDX/PIC			Year of Cost Estimate:	2003
Project Description:	•			Estimate:	2003
. reject Becompaiem	Widen Columbia Blvd. to	five lanes.		<u>Estimate:</u> <u>Federal:</u>	2003
r rojost Boodiipaoiii		five lanes.		Estimate: Federal: State:	2003
. 10 , 001 2000 piloti		five lanes.		Estimate: Federal: State: City:	2003
			a Blvd.	Estimate: Federal: State: City: SDC: Port Share	2003
	Widen Columbia Blvd. to		a Blvd.	Estimate: Federal: State: City: SDC: Port Share Committed:	2003
	Widen Columbia Blvd. to		à Blvd.	Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	2003
Purpose:	Widen Columbia Blvd. to Address system bottlene		a Blvd.	Estimate: Federal: State: City: SDC: Port Share Committed:	2003
Purpose: JDE NUM: RTP Related:	Widen Columbia Blvd. to Address system bottlene	ck along Columbia	a Blvd.	Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	2003
Purpose: JDE NUM: RTP Related:	Widen Columbia Blvd. to Address system bottlene 10376 East Columbia-Lombard Transportation Analysis (3)	ck along Columbia Connector Study 2000)	à Blvd.	Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	2003 \$15,000,000
Purpose: JDE NUM: RTP Related: Recent Study:	Widen Columbia Blvd. to Address system bottlene 10376 East Columbia-Lombard Transportation Analysis (: Regional Leadership in T	ck along Columbia Connector Study 2000)		Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	

Project Name: PDX Transportation Demand Management (TDM)

Map ID:	3/ Time Fra	ame (Years):	5 years	Total Cost:	
Project Type:	Other			Year of Cost Estimate:	
Operation Area	PDX/PIC			<u>Estimate.</u> <u>Federal:</u>	
Project Description:	Implement strategies at	PDX and PIC prope	rties that	State:	
	reduce auto trips in the undertaken with other a	rea businesses/deve	elopers to	<u>City:</u>	
	maximize effectiveness; Met.	possible bus shut	tle through Tri	SDC:	
Purpose:	Fulfill TDM requirements TDM projects and progr Alternative Modes Study	ams recommended		Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:	10380			<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	PDX Employee TDM Pro	ogram Study (2002)		Other:	
Port Strategic Area:	Pagional Loadorchip in	Transportation		Unfunded:	
_	_		Ee	timate Rating:	
✓ RTP 2040 Illustra ✓ RTP 2040 Constr		Conditioned Projetic Identified in STIP	ect <u>LS</u>	illiate natilig.	
Project Name: Map ID:		ame (Years):	5 years	Total Cost:	\$6,700,000
Project Type:	Road	ine (Tears).	5 years	Year of Cost	\$6,700,000
	PDX/PIC			Estimate:	2013
Project Description:	•	1.04 to 1.005 ND bof	oro Columbia	<u>Federal:</u>	\$6,700,000
r roject Besonption.	Blvd.	1-04 (U 1-203 ND Del	ore Columbia	State:	
				<u>City:</u>	
Purpose:	Provide additional capa	city for anticipated g	growth in area	SDC:	
	traffic.			Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
RTP Related:	11398			Private:	
Recent Study:	ODOT Bottleneck Study	(2013)		Other:	
Port Strategic Area:	Regional Leadership in	Transportation		<u>Unfunded:</u>	
✓ RTP 2040 Illustra	ntive	Conditioned Proje	ect <u>Es</u>	timate Rating:	
✓ RTP 2040 Constr	rained 🗸	Identified in STIP			

Project Name: SW Quad Access

Map ID:	39 Time	e Frame (Years):	10 years	<u>Total Cost:</u>	\$5,917,500
Project Type:	Road			Year of Cost Estimate:	2007
Operation Area	PDX/PIC			Federal:	
Project Description:	Provide street acce	ess from 33rd Ave. into \$	SW Quad.	State:	
				City:	
D				SDC:	
Purpose:	Provide efficient m properties.	ovement of traffic to dev	eloping PDX	Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:				Forecasted:	
		lse Master Plan (2003)		Private:	
				Other:	
Port Strategic Area:	Regional Leadersh	nip in Industrial Land		<u>Unfunded:</u>	\$5,917,500
✓ RTP 2040 Illustra ✓ RTP 2040 Constr		Conditioned Pro	ject	Estimate Rating: 3c	
Project Name:	PDX Roadw	ays Signing Up	<u>date</u>		
Map ID:	40 Time	e Frame (Years):	5 years	Total Cost:	
Project Type:	Road			Year of Cost	
Operation Area	PDX/PIC			<u>Estimate:</u> <u>Federal:</u>	
Project Description:	Update roadway s	igns to current national	guidelines.		
				State:	
				<u>City:</u> <u>SDC:</u>	
Purpose:	Support customer	experience and safety.		Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:				Forecasted:	
				<u>Private:</u>	
Recent Study:				<u>Other:</u>	
Port Strategic Area:	Retain and Grow I	Ket Services		<u>Unfunded:</u>	
RTP 2040 Illustra	ative	☐ Conditioned Pro	ject	Estimate Rating:	
RTP 2040 Constr	rained	Identified in STII	P		

Project Name: 33rd Avenue/Marine Drive Intersection Improvements

Map ID:	Time Frame (Years): 5 years	<u>Total Cost:</u>	\$5,760,643
Project Type:	Road	Year of Cost Estimate:	2013
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Signalize and modify the intersection of NE 33rd Avenue and Marine Drive.	State:	
		<u>City:</u>	\$1,000,000
D		SDC:	
Purpose:	Improve safety and access for 33rd Avenue. May incorporate bike and ped facilities as well.	Port Share Committed:	
JDE NUM:		Port Share	
		Forecasted:	
RTP Related:		Private:	
Recent Study:	PDX Airport Futures 2010 Master Plan	Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$4,760,643
✓ RTP 2040 Illustra		Estimate Rating:	
✓ RTP 2040 Const	•	_	
	Alderwood Street Bikeway		
Map ID:	42 Time Frame (Years): 5 years	Total Cost:	\$2,500,000
Project Type:	Bike/Ped	Year of Cost Estimate:	2017
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Provide bike lanes or pathway on Alderwood Road		
	between Columbia Blvd. and the Alderwood Trail.	State:	
		<u>City:</u>	
Purpose:	Improve safety and provide better separation from moto	SDC:	
	vehicle traffic.	Port Share Committed:	
JDE NUM:		Port Share	
RTP Related:	10338	<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	2014 Airport Bike and Pedestrian Master Plan		
		Other:	
_	Regional Leadership in Transportation	<u>Unfunded:</u>	\$2,500,000
RTP 2040 Illustra		Estimate Rating:	
✓ RTP 2040 Const	rained Identified in STIP		

Project Name: 82nd/Airport Way Interim Improvements

Map ID:	43	Time Frame (Years):	5 years	Total Cost:
Project Type:	Bike/Ped			Year of Cost Estimate:
Operation Area	PDX/PIC			<u>Federal:</u>
Project Description:	Modify inters	section, signals, and sidewal	ks between	State:
	Airport Way	and Frontage Road.		<u>City:</u>
				SDC:
Purpose:	Interim imprintersection.	ovements to address conge	stion at the	Port Share
				Committed:
JDE NUM:				<u>Port Share</u> <u>Forecasted:</u>
RTP Related:				<u>Private:</u>
Recent Study:				Other:
Port Strategic Area:	Regional Le	adership in Transportation		<u>Unfunded:</u>
RTP 2040 Illustra		☐ Conditioned P	roject	Estimate Rating:
RTP 2040 Constr	ained	☐ Identified in ST	TIP	
Project Name:	Bicycle/	Pedestrian Upgrac	<u>les</u>	
Map ID:	44	Time Frame (Years):	10 years	Total Cost:
Map ID: Project Type:	44 Bike/Ped	Time Frame (Years):	10 years	Year of Cost
•		Time Frame (Years):	10 years	Year of Cost Estimate:
Project Type: Operation Area	Bike/Ped PDX/PIC		·	Year of Cost Estimate: Federal:
Project Type: Operation Area	Bike/Ped PDX/PIC	ing paths and routes along N	·	Year of Cost Estimate: Federal: State:
Project Type: Operation Area	Bike/Ped PDX/PIC Modify exist	ing paths and routes along N	·	Year of Cost Estimate: Federal: State: City:
Project Type: Operation Area Project Description:	Bike/Ped PDX/PIC Modify exist and 82nd Av	ing paths and routes along N	N. Frontage Ro	Year of Cost Estimate: Federal: State: City: SDC:
Project Type: Operation Area Project Description:	Bike/Ped PDX/PIC Modify exist and 82nd Av	ing paths and routes along N venue.	N. Frontage Ro	Year of Cost Estimate: Federal: State: City:
Project Type: Operation Area Project Description:	Bike/Ped PDX/PIC Modify exist and 82nd Av	ing paths and routes along N venue.	N. Frontage Ro	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share
Project Type: Operation Area Project Description: Purpose:	Bike/Ped PDX/PIC Modify exist and 82nd Av	ing paths and routes along N venue.	N. Frontage Ro	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:
Project Type: Operation Area Project Description: Purpose: JDE NUM:	Bike/Ped PDX/PIC Modify exist and 82nd Av	ing paths and routes along N venue.	N. Frontage Ro	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Bike/Ped PDX/PIC Modify exist and 82nd Av	ing paths and routes along N venue. ecommendations from indep	N. Frontage Ro	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	Bike/Ped PDX/PIC Modify exist and 82nd Av Implement r	ing paths and routes along N venue. ecommendations from indep	I. Frontage Ro	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:



Page 46

Project Name: HIO Wash Racks

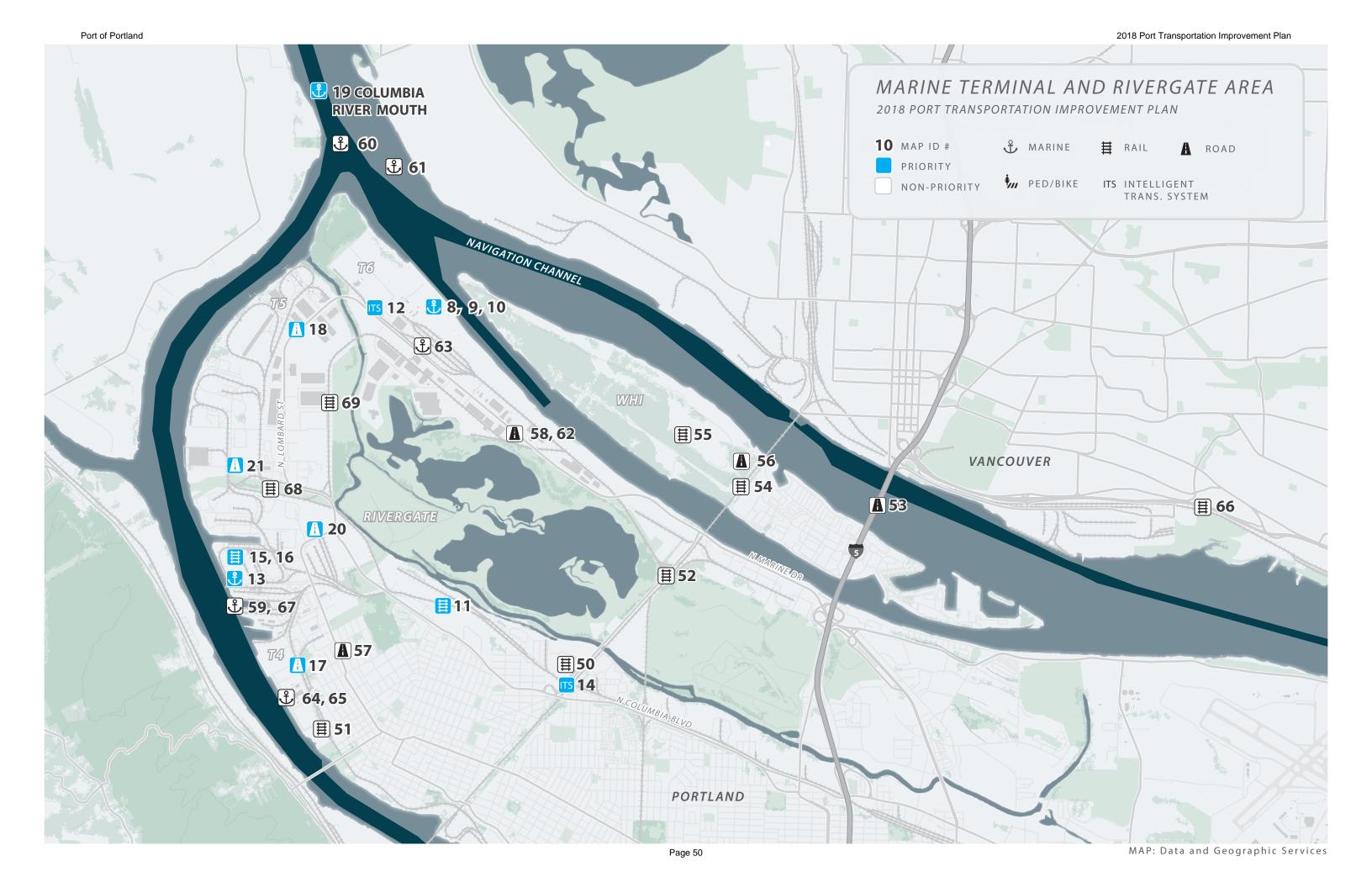
Map ID:	45	Time Frame (Years):	5 years	Total Cost:	\$620,100
Project Type:	Aviation			Year of Cost Estimate:	2010
Operation Area	Hillsboro			<u>Federal:</u>	20.0
Project Description:		ew wash racks for tenant and n pollution control system to k		ft State:	
	out of storm		eep wasii wal	City:	
_				SDC:	
Purpose:	Improve envi	ironmental performance at th	e airport.	Port Share Committed:	
JDE NUM:	100646			Port Share	
RTP Related:				<u>Forecasted:</u> <u>Private:</u>	
Recent Study:				Other:	
Port Stratogic Area	Dastrida Far	income antal Charton.		<u>Unfunded:</u>	\$620,100
Port Strategic Area:		Conditioned Pro	niect	Estimate Rating:	φο2ο,
RTP 2040 Consti		Identified in ST	•	Lounate Hating.	
Project Name:	HIO Tax	iway to NW Corpor	ate Cente	<u>er</u>	
Map ID:	46	Time Frame (Years):	10 years	Total Cost:	\$1,050,000
Map ID: Project Type:	46 Aviation	Time Frame (Years):	10 years	Year of Cost	\$1,050,000 2009
•		Time Frame (Years):	10 years	Year of Cost Estimate:	
Project Type: Operation Area	Aviation Hillsboro Construct a t	taxiway to serve new tenant k		Year of Cost	
Project Type: Operation Area	Aviation Hillsboro	taxiway to serve new tenant k		Year of Cost Estimate: Federal:	
Project Type: Operation Area Project Description:	Aviation Hillsboro Construct a t development	taxiway to serve new tenant k	easehold	Year of Cost Estimate: Federal: State: City: SDC:	
Project Type: Operation Area Project Description:	Aviation Hillsboro Construct a t development	taxiway to serve new tenant k	easehold	Year of Cost Estimate: Federal: State: City: SDC:	
Project Type: Operation Area Project Description:	Aviation Hillsboro Construct a t development New tenant of will require a	taxiway to serve new tenant let.	easehold	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Type: Operation Area Project Description: Purpose: JDE NUM:	Aviation Hillsboro Construct a t development New tenant c will require a	taxiway to serve new tenant let.	easehold	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	Aviation Hillsboro Construct a t development New tenant c will require a	taxiway to serve new tenant let.	easehold	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Aviation Hillsboro Construct a t development New tenant o will require a	taxiway to serve new tenant lett. development in the area behi irside infrastructure.	easehold	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2009
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study: Port Strategic Area:	Aviation Hillsboro Construct a t development New tenant of will require at 100657 Retain and G	taxiway to serve new tenant lett. development in the area behi irside infrastructure.	easehold nd the HIO ATO	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other: Unfunded:	
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Aviation Hillsboro Construct a t development New tenant of will require at 100657 Retain and Contive	taxiway to serve new tenant lett. development in the area behi irside infrastructure.	easehold nd the HIO ATO	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2009

Project Name: HIO Reconstruct Runway 13R/31L

мар ір:	4/ Ilme Frame (Years): 5 years	<u>i otal Cost:</u>	\$34,700,000
Project Type:	Aviation	Year of Cost Estimate:	2016
Operation Area	Hillsboro	Federal:	
Project Description:	Reconstruct the runway in three phases, including light drainage, and taxiway improvements.	ting, <u>State:</u>	
		<u>City:</u>	
Durnose:	Provide improvements identified in HIO 2006 Master Pl	SDC:	
i dipose.	Frovide improvements identified in thio 2000 Master Fr	Port Share Committed:	
JDE NUM:	101544	Port Share	
RTP Related:		Forecasted:	
Recent Study:	HIO 2006 Master Plan	Private:	
•		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$34,700,000
RTP 2040 Illustra		Estimate Rating:	
	HIO 13R-31L RSA Modifications	.	
Map ID:	Time Frame (Years): 5 years	Total Cost:	\$4,725,000
Project Type:	Aviation	Year of Cost Estimate:	2016
Operation Area	Hillsboro	<u>Federal:</u>	
Project Description:	Implement modifications to reduce waterfowl habitat in runway safety area.	the <u>State:</u>	
		<u>City:</u>	
Purnosa:	Modify and mitgate for water features in the runway sa	SDC:	
i dipose.	area.	Port Share Committed:	
JDE NUM:	101037	Port Share	
RTP Related:		<u>Forecasted:</u> <u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	<u>Unfunded:</u>	\$4,725,000
RTP 2040 Illustra		Estimate Rating: 3	С
RTP 2040 Consti			

Project Name: HIO Taxiway A Reconstruction

Map ID:	49 Time !	Frame (Years):	5 years	Total Cost:	\$13,000,000
Project Type:	Aviation			Year of Cost Estimate:	2016
Operation Area	Hillsboro			Federal:	
Project Description:	Rehabilitate full lengt drainage, lighting, ar		cluding	State:	
				<u>City:</u>	
Purpose:	Provide improvements identified in HIO 2006 Master Plan		06 Master Plan	SDC:	
•				Port Share Committed:	
JDE NUM:	102386			Port Share Forecasted:	
RTP Related:				Private:	
Recent Study:	HIO 2006 Master Pla	ın		Other:	
Port Strategic Area:	Retain and Grow Ke	y Services		<u>Unfunded:</u>	\$13,000,000
RTP 2040 Illustra	itive	Conditioned Proj	ect <u>Es</u>	timate Rating:	
RTP 2040 Constr	ained	Identified in STIP			



Project Name: Kenton Rail Line Upgrade

Map ID:	50 Time	Frame (Years):	10 years	<u>Total Cost:</u>	\$25,382,000
Project Type:	Rail			Year of Cost Estimate:	2003
Operation Area	Rivergate			Federal:	
Project Description:		rack to second main trac Peninsula Junction to I-2		State	
	track speeds between	een North Portland, Pen		 <u>City:</u>	
	to Reynolds on UP			SDC:	
Purpose:	Expand rail capaci efficiency.	ty and reduce delays for	r greater	Port Share	
				Committed:	
JDE NUM:				Port Share	
RTP Related:	11356			Forecasted: Private:	
Recent Study:	I-5 Rail Capacity St	tudy (HDR, 2003)		Other:	
				Unfunded:	ΦΩΕ 202 000
Port Strategic Area:					\$25,382,000
✓ RTP 2040 Illustra ✓ RTP 2040 Consti		☐ Conditioned Pro	•	stimate Rating:	
Project Name:	Cathedral Pa	ark Quiet Zone			
Map ID:	51 Time	e Frame (Years):	5 years	Total Cost:	\$8,200,000
Project Type:	Rail			Year of Cost	
Operation Area	Rivergate			<u>Estimate:</u>	2007
Project Description:	-	ina naisa bu impravina	multiple public	<u>Federal:</u>	
r roject bescription.	rail crossings in the	e St. Johns Cathedral Pa	ark area.	State:	
				<u>City:</u>	
Purpose:	To allow auto impo	ort operations to continue	e to arow in N	SDC:	
i dipooc.		ove neighborhood livabil		Port Share	
				Committed:	
JDE NUM:	810051			Port Share Forecasted:	
RTP Related:	10375			Private:	
Recent Study:	Cathedral Park Wh Parametrix (2007)	istle Free Zone Strategio	c Options,	Other:	
Port Strategic Area:	, ,	Key Services		<u>Unfunded:</u>	\$8,200,000
✓ RTP 2040 Illustra		Conditioned Pro	ject <u>E</u> :	stimate Rating:	
✓ RTP 2040 Consti	rainad	Identified in STIE	•		

Project Name: North Portland Junction

Map ID:	52 Tim	e Frame (Years):	10 years	Total Cost:	\$9,160,000
Project Type:	Rail			Year of Cost Estimate:	2003
Operation Area	Rivergate			<u>Estimate.</u> <u>Federal:</u>	2000
Project Description:	Upgrade railroad	with revised crossovers,	centralized	State:	
	traffic control tie-ir	n and increased turning	radius.	<u>City:</u>	
				SDC:	
Purpose:	Accommodate hig provides greater of	gher rail speeds at the ju capacity.	nction which	Port Share	
				Committed:	
JDE NUM:				Port Share Forecasted:	
RTP Related:				Private:	
Recent Study:	I-5 Rail Capacity S	Study (HDR, 2003)		Other:	
Port Strategic Area:	Regional Leaders	hip in Transportation		<u>Unfunded:</u>	\$9,160,000
RTP 2040 Illustra		Conditioned Pro	oject	Estimate Rating:	
RTP 2040 Constr	ained	Identified in STI	P		
Dualagt Name.		- Diver Ouesia			
Project Name:	<u>I-5 Columbi</u>	a River Crossing	<u>]</u>		
Project Name: Map ID:		a River Crossing e Frame (Years):	10 years	Total Cost:	\$2,982,000,000
				Year of Cost	\$2,982,000,000 2002
Map ID:	53 Tim			Year of Cost Estimate:	
Map ID: Project Type:	53 Time Road Rivergate Increase the number	e Frame (Years):	10 years	Year of Cost	
Map ID: Project Type: Operation Area	53 Time Road Rivergate	e Frame (Years):	10 years	Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area Project Description:	53 Time Road Rivergate Increase the numb across the river.	e Frame (Years): Der of lanes and add trai	10 years	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	53 Time Road Rivergate Increase the numb across the river.	e Frame (Years): Der of lanes and add trained and capacity across the	10 years	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	Fload Road Rivergate Increase the number across the river.	e Frame (Years): Der of lanes and add trained and capacity across the	10 years	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	Fload Road Rivergate Increase the number across the river.	e Frame (Years): Der of lanes and add trained and capacity across the	10 years	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	Road Rivergate Increase the numbracross the river. Increase multi-mo and relieve conge	e Frame (Years): Der of lanes and add trained and capacity across the	10 years	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	Road Rivergate Increase the number across the river. Increase multi-moand relieve conger	e Frame (Years): Der of lanes and add trained and capacity across the stion.	10 years nsit capacity Columbia Rive	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Road Rivergate Increase the numbracross the river. Increase multi-morand relieve congertation Strategic Plan (200	e Frame (Years): Der of lanes and add trained and capacity across the stion.	10 years nsit capacity Columbia Rive	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2002
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	Road Rivergate Increase the numbracross the river. Increase multi-morand relieve congeration 10893 I-5 Transportation Strategic Plan (200) Regional Leaders	e Frame (Years): Der of lanes and add trained and capacity across the stion.	10 years nsit capacity Columbia Rive	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	

Project Name: West Hayden Island Rail Access

Map ID:	Time Frame	(Years):	20 years	Total Cost:	\$3,000,000
Project Type:	Rail			Year of Cost	
Operation Area	Rivergate			<u>Estimate:</u> Federal:	
Project Description:	Rail access from the mainline	to support We	est Hayden		
	Island development.			State:	
				<u>City:</u>	
Purpose:	Advance rail-dependent devel	opment.		SDC:	
				Port Share Committed:	
JDE NUM:				<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:	11353			Private:	
Recent Study:	West Hayden Island Concept	Plan 2012		Other:	
Port Strategic Area:	Retain and Grow Key Services	3		<u>Unfunded:</u>	\$3,000,000
✓ RTP 2040 Illustra	_	ິ litioned Proje	ect	Estimate Rating:	
✓ RTP 2040 Consti		ified in STIP		_	
	West Hayden Island	d Rail Yard	<u>d</u>		
Map ID:	55 Time Frame	(Years):	20 years	Total Cost:	\$9,500,000
Project Type:	Rail			Year of Cost Estimate:	
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Construct rail yard connected	to facility trac	kage.	State:	
D				<u>City:</u>	
Purpose:				<u>City:</u> SDC:	
	Advance rail development on	West Hayden	Island.	_	
JDE NUM:	Advance rail development on	West Hayden	Island.	SDC: Port Share Committed: Port Share	
JDE NUM: RTP Related:		West Hayden	Island.	SDC: Port Share Committed: Port Share Forecasted:	
RTP Related:	11354		Island.	SDC: Port Share Committed: Port Share Forecasted: Private:	
RTP Related: Recent Study:	11354 West Hayden Island Concept	Plan 2012	Island.	SDC: Port Share Committed: Port Share Forecasted: Private: Other:	00.500.005
RTP Related: Recent Study: Port Strategic Area:	11354 West Hayden Island Concept Retain and Grow Key Services	Plan 2012		SDC: Port Share Committed: Port Share Forecasted: Private: Other: Unfunded:	\$9,500,000
RTP Related: Recent Study:	11354 West Hayden Island Concept Retain and Grow Key Services tive	Plan 2012		SDC: Port Share Committed: Port Share Forecasted: Private: Other:	\$9,500,000

Project Name: West Hayden Island Interior Access Road

Map ID:	56 Tim	e Frame (Years):	20 years	Total Cost:	\$13,600,000
Project Type:	Road			Year of Cost	2012
Operation Area	Rivergate			Estimate:	2012
Project Description:	Construct interior	oadway including rail c	verpass and	<u>Federal:</u>	
	berth access.			State:	
				<u>City:</u>	
Purpose:	Provide roadway f	or new West Hayden Is	land terminal.	SDC:	
				Port Share Committed:	
JDE NUM:				<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:				<u>Private:</u>	
Recent Study:	West Hayden Islar	nd Concept Plan 2012		Other:	
Port Strategic Area:	Retain and Grow I	Kev Services		<u>Unfunded:</u>	\$13,600,000
RTP 2040 Illustra		☐ Conditioned Pr	oject	Estimate Rating:	
RTP 2040 Constr	rained	☐ Identified in ST	-	_	
Project Name:		edestrian Distrione e Frame (Years):		Total Cost:	\$2.246.00 0
Project Type:	Road	e i idilie (Tedis).	5 years	Year of Cost	\$3,346,000
Operation Area	Rivergate			Estimate:	2005
•	Ü			<u>Federal:</u>	\$3,002,365
Project Description:	and other pedestr	an and bicycle ameniti	es on Lombar	State:	
		ede truck movement, a vements and signalizat		<u>City:</u>	\$343,635
Purpose:	Maintain truck mo	vement and minimize c	onflicts with	SDC:	
·		strians between Philad		Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:	10182			<u>Forecasted:</u> <u>Private:</u>	
Recent Study:		rategy Report & Recon	nmendation	Other:	
Port Strategic Area:	(2001) Regional Leaders	nio in Transportation		<u>Unfunded:</u>	
✓ RTP 2040 Illustra		Conditioned Pr	oject	Estimate Rating:	
RTP 2040 Constr	rained	☐ Identified in ST	-	_	

Project Name: Marine Dr. Improvement Phase 2

Map ID:	58	Time Fram	ne (Years	s): 2	20 ye	ears	Total Cost:	\$13,644,200
Project Type:	Road						Year of Cost Estimate:	2003
Operation Area	Rivergate						<u>Estimate.</u> <u>Federal:</u>	2000
Project Description:	Construct rai	l overcrossing	on Marine	Dr.				
							State:	
							<u>City:</u>	
Purpose:	Avoid road/ra	ail conflict.					SDC:	
							Port Share Committed:	
JDE NUM:							Port Share Forecasted:	
RTP Related:	10379						<u>Private:</u>	
Recent Study:							Other:	
Port Strategic Area:	Regional Lea	aderehin in Tra	anenortation	n			<u>Unfunded:</u>	\$13,644,200
✓ RTP 2040 Illustra	Ü		onditioned		ct	<u> </u>	Estimate Rating:	Bc
✓ RTP 2040 Consti	rained	_	entified in	•			_	
Project Name:	Willamet	te River (<u>Channe</u>	l De	epe:	ning		
Map ID:	59	Time Fram	ne (Years	s): 1	10 ye	ears	Total Cost:	\$200,000,000
Project Type:	Marine						Year of Cost Estimate:	
Operation Area	Rivergate						<u>Federal:</u>	
Project Description:	Deepen the	oortions of the	Willamette	e River v	with d	deep dra		
	intrastructure	to -43' where	appropriat	e.			<u>City:</u>	
							SDC:	
Purpose:		amette River te ver's new conti			enefit	from th	Port Share	
	o o i a i i i i i i i i i i i i i i i i		. og dopt				Committed:	
JDE NUM:							Port Share	
RTP Related:							Forecasted:	
Recent Study:							<u>Private:</u> <u>Other:</u>	
•							Unfunded:	\$200,000,000
Port Strategic Area:			ansportation	n				\$200,000,000
RTP 2040 Illustra	ıtıve	C	onditioned	J D '			Estimate Rating:	

Project Name: Lower Columbia River Channel Management Plan

Map ID:	60 Tin	me Frame (Years):	10 years	<u>Total Cost:</u>	\$1,500,000
Project Type:	Marine			Year of Cost Estimate:	
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Establish a plan	to manage recurring depo	osition of	State:	
	channel.	dredge material from the r	navigation	<u>City:</u>	
				SDC:	
Purpose:		sufficient dredged materia	l disposal	·	
	capacity for a m	iinimum of 20 years.		Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:				<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	2003 Feasibility	Report		Other:	
				<u>Unfunded:</u>	#1 F00 000
Port Strategic Area:				· · · · · · · · · · · · · · · · · · ·	\$1,500,000
RTP 2040 Illustra		☐ Conditioned Pro	•	Estimate Rating:	
Project Name:					
Map ID:	61 Tin	me Frame (Years):	5 years	Total Cost:	
Project Type:	Marine			Year of Cost Estimate:	
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Increase numbe Columbia River.	er and size of anchorages	up and down t	he <u>State:</u>	
	Columbia niver.			City:	
_				SDC:	
Purpose:	Allow for addition efficiency and sa	nal vessel capacity in the afety reasons.	river for	Port Share	
	•	•		Committed:	
JDE NUM:				Port Share	
RTP Related:				Forecasted:	
Recent Study:	Feasibility Study	/		Drivata	
-				<u>Private:</u> Other:	
Port Strategic Area:				Other:	
DTD :		rship in Transportation		Other: Unfunded:	
RTP 2040 Illustra	ative	rship in Transportation Conditioned Pro	•	Other:	

Project Name: T6 Suttle Road Entrance

Map ID:	62 Ti	me Frame	(Years):	20	years	Total Cost:	\$3,000,000
Project Type:	Road					Year of Cost Estimate:	2008
Operation Area	Rivergate					<u>Estimate.</u> <u>Federal:</u>	2000
Project Description:	Construct acces	ss road from te	erminus of S	uttle R	oad.	<u>r ederal.</u> State:	
						<u>State.</u> <u>City:</u>	
						SDC:	
Purpose:	To support deve	elopment of ea	ast end of T6	6.		Port Share	
						Committed:	
JDE NUM:						Port Share Forecasted:	
RTP Related:	11307					<u>r orecasted:</u> <u>Private:</u>	
Recent Study:	Suttle Road Imp	provement Opt	ions (2008)			Other:	
Port Strategic Area:	Retain and Gro	w Kay Sanjicas				<u>Unfunded:</u>	\$3,000,000
RTP 2040 Illustra		ŕ	ੰ ditioned Pro	oiect		Estimate Rating: 3	C
✓ RTP 2040 Constr			ified in STI	•			
			UICCL				
Project Name:				10	veare	Total Cost	000 000 082
Map ID:	63 T i	me Frame		10	years	<u>Total Cost:</u> Year of Cost	\$80,000,000
Map ID: Project Type:	63 Ti l Marine			10	years	<u>Total Cost:</u> <u>Year of Cost</u> <u>Estimate:</u>	\$80,000,000 2015
Map ID: Project Type: Operation Area	63 Till Marine Rivergate	me Frame	(Years):		,	Year of Cost Estimate: Federal:	
Map ID: Project Type:	63 Till Marine Rivergate This program in electrical upgra	me Frame cludes an add des, yard cran	(Years): ditional truck es, 6,800' ar	gate, t	terminal	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	63 Till Marine Rivergate This program in	me Frame cludes an add des, yard cran	(Years): ditional truck es, 6,800' ar	gate, t	terminal	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area Project Description:	63 Till Marine Rivergate This program in electrical upgradeparture tracks	me Frame cludes an add des, yard cran s, pavement an	(Years): litional truck es, 6,800' ar nd stormwat	gate, t rrival a ter syst	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	63 Till Marine Rivergate This program in electrical upgra departure track-renewal.	me Frame cludes an add des, yard cran s, pavement an	(Years): litional truck es, 6,800' ar nd stormwat	gate, t rrival a ter syst	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description: Purpose:	63 Till Marine Rivergate This program in electrical upgra departure track-renewal.	me Frame cludes an add des, yard cran s, pavement an	(Years): litional truck es, 6,800' ar nd stormwat	gate, t rrival a ter syst	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	Marine Rivergate This program in electrical upgra departure track renewal. This program is	me Frame cludes an add des, yard cran s, pavement an	(Years): litional truck es, 6,800' ar nd stormwat	gate, t rrival a ter syst	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	Marine Rivergate This program in electrical upgra departure track renewal. This program is	me Frame cludes an add des, yard cran s, pavement an	(Years): litional truck es, 6,800' ar nd stormwat	gate, t rrival a ter syst	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Marine Rivergate This program in electrical upgra departure track renewal. This program is	cludes an add des, yard cran s, pavement an needed to up.	(Years): ditional truck es, 6,800' ar nd stormwat grade the te	gate, t rrival a ter syst	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	63 Till Marine Rivergate This program in electrical upgra departure trackrenewal. This program is 102060, 102056 11357, 11207 Retain and Gro	cludes an add des, yard cran s, pavement an needed to up	(Years): ditional truck es, 6,800' ar nd stormwat grade the te	gate, t rrival a er syst rminal	terminal nd 8,500 tem	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2015

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

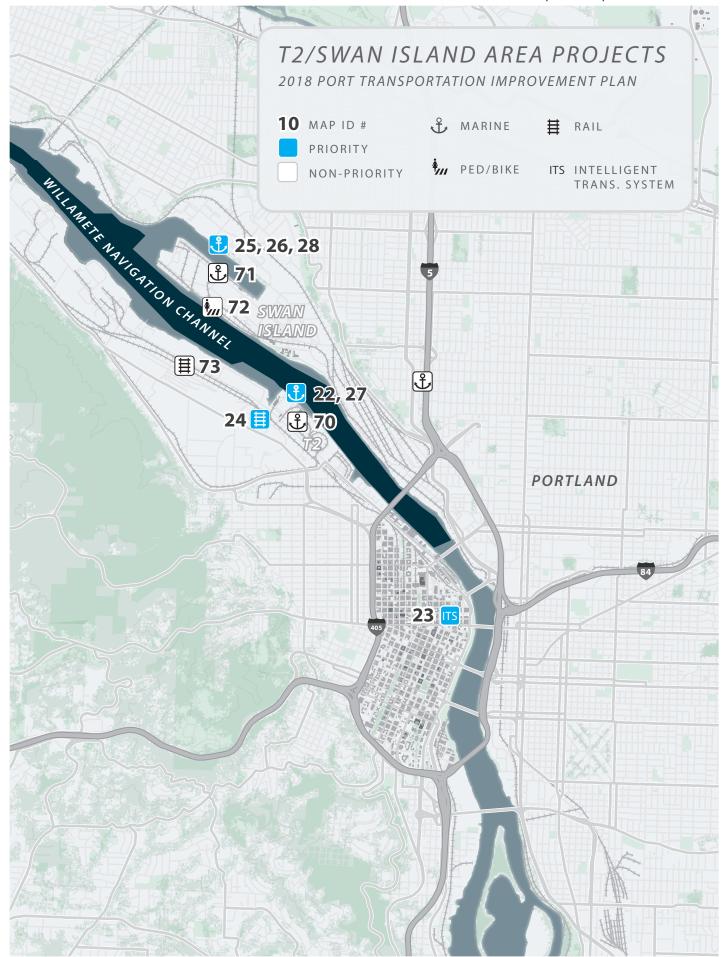
Map ID:	64	Time Fram	ne (Years):	5 years	Total Cost:	\$1,000,000
Project Type:	Marine				Year of Cost Estimate:	2015
Operation Area	Rivergate				<u>Estimate.</u> <u>Federal:</u>	2010
Project Description:					State:	
	equipment of berth at B41		ssary to allow ve	essels to lay	<u>City:</u>	
					SDC:	
Purpose:	416. This wi	II help the Port	low vessels to la retain and grow portation infrastr	key services	Port Share Committed:	
JDE NUM:	102051				Port Share Forecasted:	
RTP Related:					Private:	
Recent Study:					Other:	
Port Strategic Area:	Retain and	Grow Key Serv	ices		<u>Unfunded:</u>	\$1,000,000
RTP 2040 Illustra			onditioned Pro	ject	Estimate Rating:	
RTP 2040 Constr	ained	□ Id	entified in STIF	•		
Project Name:	Termina	ıl 4 Autom	obile Yard	Expansi	<u>on</u>	
Map ID:	65	Time Fram	ne (Years):	10 years	Total Cost:	\$3,000,000
Project Type:	Marine				Year of Cost Estimate:	
Operation Area	Rivergate				<u>Federal:</u>	
Project Description:	Design and	construct six a	cres of porous p	avement	<u>State:</u>	
	parking for t	ne storage of I	mported automo	obiles.	<u>City:</u>	
_					SDC:	
Purpose:	storage cap		ditional land to n Toyota, supporti s line.		Port Share Committed:	
JDE NUM:						
RTP Related:					Port Share	
Recent Study:					Forecasted:	
					Forecasted: Private:	
					Forecasted: Private: Other:	00.000
Port Strategic Area:	-				Forecasted: Private: Other: Unfunded:	\$3,000,000
Port Strategic Area: RTP 2040 Illustra RTP 2040 Constr	ntive	Ce	dustrial Lands onditioned Pro entified in STIF		Forecasted: Private: Other:	\$3,000,000

Project Name: BNSF Fallbridge Double Tracking

Map ID:	00 Time	e Frame (Years):	10 years	<u>Total Cost:</u>	\$72,000,000
Project Type:	Rail			Year of Cost Estimate:	2013
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Double-track the F	allbridge line to Washou	ıgal.	State:	
				City:	
				SDC:	
Purpose:	Increases capacity Port of Portland.	y of the BNSF east-west	mainline serv	ring Port Share	
				Committed:	
JDE NUM:	1			Port Share	
RTP Related:				<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	Port Rail Plan			Other:	
				<u>Unfunded:</u>	Φ 7 0 000 000
Port Strategic Area:					\$72,000,000
RTP 2040 Illustra		☐ Identified in STII	-	Estimate Rating:	
Project Name:	Berth Deepe	ening at T2 and	<u>T4</u>		
Map ID:	67 Tim	e Frame (Years):	10 years	Total Cost:	
Project Type:	Marine			Year of Cost	
Operation Area	Rivergate			Estimate:	
Project Description:	Deepen berths at	Terminals 2 and 4 to allo	ow deeper dra	Federal:	
	vessels to transit t	he planned 43 foot chan hannel Deepening. Cost	nel. Tied to	<u>State.</u>	
	77	ag. 200pog.		<u>City:</u>	
Purpose:	: Allow better utiliza	tion of Panamax-class b	ulk vessels.	SDC:	
				Port Share Committed:	
JDE NUM:	101999			Port Share	
RTP Related:	i •			<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	<u>.</u>			Other:	
•				<u>Unfunded:</u>	
Port Strategic Area:					
RTP 2040 Illustra		☐ Conditioned Pro		Estimate Rating:	

Project Name: Bonneville Rail Yard Build Out

Map ID:	68 Time	Frame (Years):	10 years	Total Cost:	\$3,600,000
Project Type:	Rail			Year of Cost Estimate:	2013
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Construct two inter	ior yard tracks and com	plete the double	State:	
	Barnes Yard.	wye at the east end of t	tne yard to	<u>City:</u>	
				SDC:	
Purpose:	Add rail staging ca	pacity for South Riverga	ite.	Port Share	
				Committed:	
JDE NUM:				Port Share	
RTP Related:	11652			Forecasted:	
Recent Study:	Port Rail Plan			Private:	
•				Other:	
Port Strategic Area:		nip in Transportation	_	<u>Unfunded:</u>	\$3,600,000
✓ RTP 2040 Illustra	ative	Conditioned Pro	•	Estimate Rating: 3c	
✓ RTP 2040 Const	rained	Identified in STIF	•		
Project Name:	Ramsey Yard	d Utilization			
Map ID:	69 Time	Frame (Years):	10 years	Total Cost:	\$1,700,000
Project Type:	Rail			Year of Cost	2013
Operation Area	Rivergate			Estimate:	2013
Project Description:	Connect existing se	et out track with industria	al lead.	<u>Federal:</u>	
	J			State:	
				<u>City:</u>	
Purpose:	Improve unit train s	staging capabilities at Ra	amsey Rail Yard	<u>SDC:</u>	
				Port Share Committed:	
JDE NUM:				Port Share	
RTP Related:	11653			Forecasted:	
Recent Study:	Port Rail Plan			Drivete	
 -,-				Private:	
				Other:	
Port Strategic Area:		nip in Transportation		Other: Unfunded:	\$1,700,000
Port Strategic Area: RTP 2040 Illustra RTP 2040 Const	Regional Leadersh	ip in Transportation Conditioned Pro	ject <u>E</u>	Other:	\$1,700,000



Page 61

MAP: Data and Geographic Services

Project Name: T2 Bulk Terminal

Map ID:	70	Time Fra	me (Years):	5 years	<u>Total</u>	Cost:	\$30,000,000
Project Type:	Marine				<u>Year of</u> <u>Esti</u>	Cost mate:	201 7
Operation Area	T2/Swan Isla	ınd			Fed	deral:	
Project Description:	Storage, rail	receiving, ve	essel loadout,and	d conveyanc	:e	State:	
					2	City:	
Purpose:	Capture sma	all lot bulk op	oportunity.			SDC:	
					<u>Port S</u> <u>Comm</u>		
JDE NUM:					Port S		
RTP Related:					<u>Foreca</u>		
Recent Study:						ivate:	
,						Other:	
Port Strategic Area	Retain and G	Grow Key Se	ervices		<u>Unfui</u>	<u>nded:</u>	\$30,000,000
RTP 2040 Illustra	ative		Conditioned Pr	oject	Estimate Ra	ating:	
RTP 2040 Const	rained		Identified in ST	IP .			
Project Name:	Swan Isl	and Bei	rth 315 Lay	Berth In	<u>nprovement</u> :	<u>S</u>	
Project Name:			rth 315 Lay nme (Years):				\$3,500,000
					<u>Total</u>	Cost: Cost	
Map ID: Project Type:	71	Time Fra			<u>Total</u> <u>Year of</u> <u>Esti</u>	Cost: Cost mate:	\$3,500,000 2016
Map ID: Project Type: Operation Area	71 Marine T2/Swan Isla	Time Fra	ıme (Years):	5 years	<u>Total</u> <u>Year of</u> <u>Esti</u>	Cost: Cost	
Map ID: Project Type:	71 Marine T2/Swan Isla Design, perm	Time Fra	ıme (Years):	5 years al upgrades,	<u>Total</u> <u>Year of</u> <u>Esti</u>	Cost: Cost mate:	
Map ID: Project Type: Operation Area	71 Marine T2/Swan Isla Design, perm	Time Fra	ame (Years):	5 years al upgrades,	<u>Total</u> <u>Year of</u> <u>Esti</u>	Cost: Cost mate: deral:	
Map ID: Project Type: Operation Area Project Description:	71 Marine T2/Swan Isla Design, pern fendering, ar	Time Fra and nit berth dee	nme (Years): epening, electrica	5 years al upgrades, 15.	Year of Estin	Cost: Cost mate: deral: State:	
Map ID: Project Type: Operation Area Project Description:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help	Time Fra	ame (Years):	5 years al upgrades, 15. lay berth at 7 services an	Year of Estin	Cost: Cost mate: deral: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description: Purpose:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help be a leader in	Time Fra	epening, electricaccess for Berth 3 allow vessels to ain and grow key	5 years al upgrades, 15. lay berth at 7 services an	Year of Estin	Cost: Cost mate: deral: State: City: SDC: hare itted:	
Map ID: Project Type: Operation Area Project Description: Purpose:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help be a leader in	Time Fra	epening, electricaccess for Berth 3 allow vessels to ain and grow key	5 years al upgrades, 15. lay berth at 7 services an	Year of Esting Fed Section 1985. B315. B315. Comm	Cost: Cost mate: deral: State: City: SDC: hare itted:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help be a leader in	Time Fra	epening, electricaccess for Berth 3 allow vessels to ain and grow key	5 years al upgrades, 15. lay berth at 7 services an	Year of Estin Fec B315. Bd to Port S Comm Port S Foreca	Cost: Cost mate: deral: State: City: SDC: hare itted:	
Map ID: Project Type: Operation Area Project Description: Purpose:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help be a leader in	Time Fra	epening, electricaccess for Berth 3 allow vessels to ain and grow key	5 years al upgrades, 15. lay berth at 7 services an	Year of Estin Fed State	Cost: Cost mate: deral: State: City: SDC: hare itted: hare ested:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help be a leader in	Time Fra	epening, electrica ccess for Berth 3 allow vessels to ain and grow key tion infrastructure	5 years al upgrades, 15. lay berth at 7 services an	Year of Sesting Sestin	Cost: Cost mate: deral: City: SDC: hare itted: hare isted: ivate:	
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	71 Marine T2/Swan Isla Design, pern fendering, ar The project is This will help be a leader in	Time Fra	epening, electrica ccess for Berth 3 allow vessels to ain and grow key tion infrastructure	5 years al upgrades, 15. lay berth at y services an e.	Year of Sesting Sestin	Cost: Cost mate: deral: State: City: SDC: hare itted: ivate: Other: nded:	2016

Project Name: North Willamette Greenway Trail

Map ID:	72 Time Frame (Years): 20 years	ars <u>Total Cost:</u>	\$500,000
Project Type:	Bike/Ped	Year of Cost	2007
Operation Area	T2/Swan Island	<u>Estimate:</u> <u>Federal:</u>	2007
Project Description:	Pedestrian and bicycle trail from Kelly Point Park to	the State:	
	Steel Bridge along the Willamette River. The money associated for this project is for a study only.	City:	
		SDC:	
Purpose:	Improve pedestrian and bicycle connectivity in North Portland. Coordinate implementation with the City of Portland.	h f <u>Port Share</u>	
		Committed:	
JDE NUM:		<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:	10355	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$500,000
✓ RTP 2040 Illustra		Estimate Rating:	
▼ RTP 2040 Constr	rained Identified in STIP		
Project Name:	Portland Terminal Railroad Power	<u>Switches</u>	
Map ID:	73 Time Frame (Years): 5 years	ars <u>Total Cost:</u>	\$10,805,000
мар іD: Project Type:	73 Time Frame (Years): 5 year	Year of Cost	\$10,805,000
•		Year of Cost Estimate:	\$10,805,000
Project Type: Operation Area	Rail T2/Swan Island	Year of Cost Estimate: Federal:	\$10,805,000
Project Type: Operation Area	Rail	Year of Cost Estimate: Federal: State:	\$10,805,000
Project Type: Operation Area	Rail T2/Swan Island Install Dispatcher Controlled Power Switches between	Year of Cost Estimate: Federal: State: City:	\$10,805,000
Project Type: Operation Area Project Description:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2. Will reduce time it takes for trains to travel from Lake	Year of Cost Estimate: Federal: State: City: SDC:	\$10,805,000
Project Type: Operation Area Project Description:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	\$10,805,000
Project Type: Operation Area Project Description:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2. Will reduce time it takes for trains to travel from Lake to Terminal 2, reducing blockage of mainline.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	\$10,805,000
Project Type: Operation Area Project Description: Purpose:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2. Will reduce time it takes for trains to travel from Lake to Terminal 2, reducing blockage of mainline.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	\$10,805,000
Project Type: Operation Area Project Description: Purpose: JDE NUM:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2. Will reduce time it takes for trains to travel from Lake to Terminal 2, reducing blockage of mainline.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	\$10,805,000
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2. Will reduce time it takes for trains to travel from Lake to Terminal 2, reducing blockage of mainline. Port Rail Plan	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	
Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Rail T2/Swan Island Install Dispatcher Controlled Power Switches betwee Lake Yard and Terminal 2. Will reduce time it takes for trains to travel from Lake to Terminal 2, reducing blockage of mainline. Port Rail Plan Regional Leadership in Transportation	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	\$10,805,000

A 77

GVBP

A 76

GRESHAM

Project Name: Sandy Blvd. Widening to 4 lanes

Map ID:	/4 Time Frame (Years): 10 years	Total Cost:	\$10,000,000
Project Type:	Road	Year of Cost Estimate:	
Operation Area		<u>Federal:</u>	
Project Description:	Sandy Blvd. widen to 4 lanes and center turn lane (181st 202nd) with sidewalks and bike lanes.	State:	
		<u>City:</u>	
Purpose:		SDC:	
	Improve east west capacity and serve developing industrial property.	Port Share Committed:	
JDE NUM:		Port Share	
		Forecasted:	
RTP Related:	10443	<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	<u>Unfunded:</u>	\$10,000,000
✓ RTP 2040 Illustra		Estimate Rating:	
✓ RTP 2040 Consti	ained Identified in STIP		
Project Name:	Sandy Blvd. Widening to 3 lanes		
Map ID:	75 Time Frame (Years): 10 years	Total Cost:	\$7,438,000
Project Type:	Road	Year of Cost Estimate:	
Operation Area	East County	<u>Estimate.</u> <u>Federal:</u>	
Project Description:	Sandy Blvd. widen to 3 lanes (207th to 238th), add	<u>state:</u>	
	sidewalks and bike lanes.		
		City.	
Purpose:		<u>City:</u>	
Purpose:	Improve east-west capacity and serve adjacent	SDC:	
Purpose:	Improve east-west capacity and serve adjacent developing industrial property.	SDC: Port Share Committed:	
Purpose: JDE NUM:		SDC: Port Share Committed: Port Share	
	developing industrial property.	SDC: Port Share Committed: Port Share Forecasted:	
JDE NUM:	developing industrial property.	SDC: Port Share Committed: Port Share Forecasted: Private:	
JDE NUM: RTP Related: Recent Study:	developing industrial property. 10399	SDC: Port Share Committed: Port Share Forecasted: Private: Other:	\$7,438,000
JDE NUM: RTP Related: Recent Study:	developing industrial property. 10399 Regional Leadership in Transportation	SDC: Port Share Committed: Port Share Forecasted: Private:	\$7,438,000

Project Name: NE Hogan at NE Stark Street

Map ID:	/O Time Frame (Years): 5 ye	ears <u>Total Cost:</u>	\$2,020,043
Project Type:	Road	<u>Year of Cost</u> <u>Estimate:</u>	2017
Operation Area	East County	<u>Federal:</u>	
Project Description:	Add right turn lanes on all approaches and second northbound and southbound left turn lanes.		
	normbound and southbound left turn lailes.	City:	
_		SDC:	
Purpose:	Address intersection capacity affecting access to Gresham Vista Business Park.	Port Share Committed:	
JDE NUM:		Port Share	
RTP Related:		Forecasted:	
		<u>Private:</u>	
necent Study.	East Metro Connections Plan	Other:	
Port Strategic Area	Regional Leadership in Transportation	<u>Unfunded:</u>	\$2,020,043
▼ RTP 2040 Illustra	ative Conditioned Project	Estimate Rating:	
✓ RTP 2040 Const	rained Identified in STIP		
Project Name:	NE 223rd at Stark		
Map ID:	77 Time Frame (Years): 5 ye	ears <u>Total Cost:</u>	\$3,507,190
Project Type:	Road	Year of Cost	2017
Operation Area	East County	Estimate:	2017
Project Description:	Add eastbound and northbound right turn lanes ar	Federal:	
	southbound left turn lanes.	State.	
		<u>City:</u>	
Purpose:	Address intersection capacity affecting access to Gresham Vista Business Park.	SDC:	
•		<u>Port Share</u> <u>Committed:</u>	
JDE NUM:		Port Share	
RTP Related:	10473	<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	East Metro Connections Plan	Other:	
		Ouiel.	
Daul Oluate et a A			¢3 507 100
	Regional Leadership in Transportation	<u>Unfunded:</u>	\$3,507,190
Port Strategic Area: RTP 2040 Illustra	ative Conditioned Project		\$3,507,190

Project Name: NE 238th Drive: Halsey to Glisan

Map ID:	78	Time Frame (Years)	5 years	Total Cost:	\$9,769,340
Project Type:	Road			Year of Cost	2012
Operation Area	East County			Estimate:	
Project Description:	Construct imp	provements for freight by n	nodifying road	<u>Federal:</u>	\$9,769,340
	curvature. Also adds improvements for bikes and pedestrians.		State:		
				City:	
Purpose:	Will improve freight access to Gresham Vista Business Park.				
	raik.			Port Share Committed:	
JDE NUM:				<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:				Private:	
Recent Study:	East Metro Co	onnections Plan		Other:	
Port Strategic Area:	Regional Lea	dership in Transportation		<u>Unfunded:</u>	
RTP 2040 Illustra		☐ Conditioned F	Project	Estimate Rating:	
RTP 2040 Constr	ained	☐ Identified in S	-		
Project Name:	000rd Av	yanua Widanina			
roject Hame.	2231U AV	ende Wideriing			
Map ID:		Time Frame (Years)	: 5 years		\$3,667,000
			: 5 years	Year of Cost	\$3,667,000
Map ID:	79		: 5 years	Year of Cost Estimate:	\$3,667,000
Map ID: Project Type:	79 TRoad East County	Time Frame (Years)	·	Year of Cost Estimate: Federal:	\$3,667,000
Map ID: Project Type: Operation Area	79 TRoad East County	Time Frame (Years)	·	Year of Cost Estimate: Federal: State:	\$3,667,000
Map ID: Project Type: Operation Area	79 TRoad East County	Time Frame (Years)	·	Year of Cost Estimate: Federal: State: City:	\$3,667,000
Map ID: Project Type: Operation Area Project Description:	79 Road East County Widen to thre	Time Frame (Years)	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share	\$3,667,000
Map ID: Project Type: Operation Area Project Description:	79 Road East County Widen to thre	Time Frame (Years) e lanes between Halsey S	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	\$3,667,000
Map ID: Project Type: Operation Area Project Description:	79 Road East County Widen to thre	Time Frame (Years) e lanes between Halsey S	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	\$3,667,000
Map ID: Project Type: Operation Area Project Description: Purpose:	79 Road East County Widen to thre Upgrade the standards.	Time Frame (Years) e lanes between Halsey S facility to major collector u	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	\$3,667,000
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM:	79 Road East County Widen to thre Upgrade the standards.	Time Frame (Years) e lanes between Halsey S facility to major collector u	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	\$3,667,000
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related: Recent Study:	Road East County Widen to thre Upgrade the standards.	Time Frame (Years) e lanes between Halsey S facility to major collector u	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	\$3,667,000
Map ID: Project Type: Operation Area Project Description: Purpose: JDE NUM: RTP Related:	Road East County Widen to thre Upgrade the standards.	Time Frame (Years) e lanes between Halsey S facility to major collector u	and Marine D	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	