2019 PORT TRANSPORTATION IMPROVEMENT PLAN

FINAL 2/13/2019



Acknowledgments

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TABLE OF CONTENTS

Introduction	2
Goal and Objectives	3
Assumptions	4
Project Funding	4
Port Priority Projects	4
Port Strategic Plan Alignment	8
Project List	9
Priority Project Map	20
Priority Project Reports	21
PDX/PIC Area Map	35
PDX/PIC Project Reports	36
Hillsboro Area Map	42
Hillsboro Project Reports	43
Marine Terminal and Rivergate Area Map	45
Marine Terminal and Rivergate Area Project Reports	46
T2/Swan Island Area Map	56
T2/Swan Island Area Project Reports	57
East County Area Map	59
East County Area Project Reports	60

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 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 (updated in 2015 by Cambridge Systematics) 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

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

GOAL AND OBJECTIVES

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

Goal:

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

Objectives:

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

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 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 includes 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 Funding Sources ¹	Project Cost ²	Map ID #
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	\$26,158,076	20

- 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	\$87,000,000	4
Sundial Road/Graham Road Signal	\$1,000,000	27
Intelligent Transportation System (ITS) Improvements	\$680,000	12,14, 21

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	26

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	18

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 Reconstruct Runway 13R/31L	\$34,700,000	6
HIO Taxiway A Reconstruction	\$13,630,000	7
TTD Reconstruct Runway 7-25	\$18,000,000	25

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.

- Drive Regional Prosperity
- Deliver an Outstanding PDX Passenger Experience
- Connect People and Businesses to Markets
- Promote Excellence in Organizational Effectiveness

The project reports identify which of the strategic areas of focus the projects most closely align with.

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, PACR and Seismically Resilient Runway.	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	\$87,000,000	✓	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 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
7	HIO Taxiway A Reconstruction	Rehabilitate full length parallel Taxiway A including drainage, lighting, and markings.	Provide improvements identified in HIO 2006 Master Plan	5	\$13,630,000	•	Hillsboro

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
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	\$2,800,000	✓	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
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

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
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	\$1,000,000	✓	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	\$14,200,000	✓	Rivergate
18	Columbia River Mouth Jetty Refurbishment	With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty 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
19	Time Oil Road Reconstruction	Reconstruct Time Oil Road.	Provide improved access to South Rivergate industrial area.	10	\$9,000,000	•	Rivergate
20	Rivergate Boulevard Overcrossing	Grade separate the South Rivergate Lead at Rivergate Blvd.	Improve rail and vehicle traffic flow in Rivergate Industrial District.	5	\$26,158,076	•	Rivergate
21	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
22	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

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
23	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	\$6,000,000	✓	T2/Swan Island
24	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
25	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
26	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
27	Sundial Road at Graham Road	Install traffic signal.	Address traffic growth at Troutdale Reynolds Industrial Park.		\$1,000,000	•	East County
28	TRIP 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
29	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

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
30	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
31	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
32	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
33	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	\$2,000,000		PDX/PIC
34	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
35	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
36	PDX Roadways Signing Update	Update roadway signs to current national guidelines.	Support customer experience and safety.	5	\$1,400,000		PDX/PIC

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
37	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
38	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
39	82nd/Airport Way Interim Improvements	Modify intersection, signals, and sidewalks between Airport Way and Frontage Road. Includes Tri Met double track path.	Interim improvements to address congestion at the intersection.	5	\$3,100,000		PDX/PIC
40	Bicycle/Pedestrian Upgrades	Modify existing paths and routes along N. Frontage Road and 82nd Avenue.	Implement recommendations from independent audit.	10			PDX/PIC
41	HIO 13R-31L RSA Modifications	Implement modifications to reduce waterfowl habitat in the runway safety area.	Modify and mitigate for water features in the runway safety area.	5	\$19,404,000		Hillsboro
42	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.	20	\$535,000		Hillsboro
43	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.	20	\$5,128,000		Hillsboro

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
44	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
45	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
46	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
47	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
48	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
49	West Hayden Island Rail Yard	Construct rail yard connected to facility trackage.	Advance rail development on West Hayden Island.	20	\$9,500,000		Rivergate
50	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

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
51	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
52	Marine Dr. Improvement Phase 2	Construct rail overcrossing on Marine Dr.	Avoid road/rail conflict.	20	\$13,644,200		Rivergate
53	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 benefit from the Columbia River's controlling depth. To follow maintenance to -40 feet.	10	\$200,000,000		Rivergate
54	Lower Columbia River Channel Maintenance Plan	As a non-federal sponsor, assist the Army Corps to establish a plan to manage deposition of Columbia River dredge material from the navigation channel.	Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years.	5	\$1,500,000		Rivergate
55	T6 Transload Site Development	Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge.	Allow dual rail access to T6 and create additional industrial jobs.	5	\$3,325,000		Rivergate
56	T6 Internal Roadway	Provide Road connection between Suttle Road Site and T6 main yard.	This will connect the main T6 yard to the Suttle Road development site.	10	\$6,100,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
57	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
58	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
59	T4 Dry Bulk Expansion	Provide additional loader, storage, and rail capacity with new yard and dumper pit.	The project will allow additional throughput at Terminal 4.	5	\$200,000,000		Rivergate
60	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
61	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
62	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

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
63	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
64	T2 Bulk Terminal	Storage, rail receiving, vessel loadout, and conveyance.	Capture small lot bulk opportunity.	5	\$35,000,000		T2/Swan Island
65	North Willamette Greenway Trail	Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money associated for this project is for a study only.	Improve pedestrian and bicycle connectivity in North Portland. Coordinate implementation with the City of Portland.	20	\$500,000		T2/Swan Island
66	Portland Terminal Railroad Power Switches	Install Dispatcher Controlled Power Switches between Lake Yard and Terminal 2.	Will reduce time it takes for trains to travel from Lake Yard to Terminal 2, reducing blockage of mainline.	5	\$10,805,000		T2/Swan Island
67	Sandy Blvd. Widening to 4 lanes	Sandy Blvd. widen to 4 lanes and center turn lane (181st-202nd) with sidewalks and bike lanes.	Improve east-west capacity and serve developing industrial property.	10	\$10,000,000		East County
68	Sandy Blvd. Widening to 3 lanes	Sandy Blvd. widen to 3 lanes (207th to 238th), add sidewalks and bike lanes.	Improve east-west capacity and serve adjacent developing industrial property.	10	\$7,438,000		East County
69	NE Hogan at NE Stark Street	Add right turn lanes on all approaches and second northbound and southbound left turn lanes.	Address intersection capacity affecting access to Gresham Vista Business Park.	5	\$1,908,431		East County

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
70	NE 223rd at Stark	Add eastbound and northbound right turn lanes and southbound left turn lanes.	Address intersection capacity affecting access to Gresham Vista Business Park.	5	\$1,196,756		East County
71	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
72	223rd Avenue Widening	Widen to three lanes between Halsey St and Marine Drive.	Upgrade the facility to major collector urban street standards.	5	\$4,437,809		East County

Project Name: Alderwood and Columbia Blvd. Intersection

Map ID: 1 Time Frame (Years): **Total Cost:** 5 years \$5.058.349 **Year of Cost** Project Type: Road 2013 **Estimate:** Operation Area PDX/PIC Federal: \$4.538.856 Project Description: Widen and signalize intersection on Columbia Boulevard at State: Alderwood Rd. City: SDC: **Purpose:** Provide transportation link to the cargo area located within the south airport area and to support Columbia Corridor Port Share freight movement. **Committed:** \$519,493 Port Share MW NUM: 700652 Forecasted: RTP Related: 11570 Private: **Recent Study:** Airport Futures Transportation Impact Study (2010) Other: **Unfunded:** Port Strategic Area: Connect People and Businesses to Markets ✓ RTP 2045 Illustrative ✓ Conditioned Project **▼** RTP 2045 Constrained ✓ Identified in STIP Project Name: Cully Blvd. and Columbia Blvd. Intersection Map ID: 2 Time Frame (Years): **Total Cost:** 5 years \$6,575,000 **Year of Cost** Project Type: Road 2013 **Estimate:** Operation Area PDX/PIC Federal: Project Description: Widen and signalize intersection on Columbia Boulevard at State: Cully Blvd. City: SDC: Purpose: Provide transportation link to the cargo area located within the south airport area and to support Columbia Corridor **Port Share** freight movement. **Committed:** Port Share MW NUM: Forecasted: RTP Related: 10336 Private: **Recent Study:** Airport Futures Transportation Impact Study (2010) Other: **Unfunded:** \$6 575 000 Port Strategic Area: Connect People and Businesses to Markets ✓ RTP 2045 Illustrative Conditioned Project ✓ RTP 2045 Constrained Identified in STIP

Project Name: PDX NEXT

Map ID:	Time Frame (Years): 5 years	<u>Total Cost:</u>	\$2,000,000,000
Project Type:	Aviation	Year of Cost Estimate:	2017
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Includes Terminal Core, Terminal Balancing, and PACR	State:	
	projects. Also includes Seismically Resilient Runway.	City:	
D		SDC:	
Purpose:	Expand airport capacity, functionality, and resilience.	Port Share Committed:	
	101888, 102191, 701901	Port Share Forecasted:	
RTP Related:		<u>Private:</u>	
Recent Study:	Airport Futures	Other:	
Port Strategic Area:	Deliver an Outstanding PDX Passenger Experience	<u>Unfunded:</u>	\$2,000,000,000
RTP 2045 Illustra	tive Conditioned Project		
RTP 2045 Constr	rained Identified in STIP		
	82nd Ave./Airport Way Grade Separation		
Map ID:	4 Time Frame (Years): 10 years	Total Cost:	\$87,000,000
Map ID: Project Type:	4 Time Frame (Years): 10 years	Total Cost: Year of Cost Estimate:	\$87,000,000 2018
Map ID: Project Type: Operation Area	4 Time Frame (Years): 10 years Road PDX/PIC	Year of Cost	
Map ID: Project Type: Operation Area	4 Time Frame (Years): 10 years Road	Year of Cost Estimate:	
Map ID: Project Type: Operation Area	4 Time Frame (Years): 10 years Road PDX/PIC	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area Project Description:	4 Time Frame (Years): 10 years Road PDX/PIC Construct grade-separated overcrossing.	Year of Cost Estimate: Federal: State:	2018
Map ID: Project Type: Operation Area Project Description:	4 Time Frame (Years): 10 years Road PDX/PIC	Year of Cost Estimate: Federal: State: City:	2018
Map ID: Project Type: Operation Area Project Description:	4 Time Frame (Years): 10 years Road PDX/PIC Construct grade-separated overcrossing. Provide efficient movement of traffic to PDX properties.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	2018
Map ID: Project Type: Operation Area Project Description: Purpose:	4 Time Frame (Years): 10 years Road PDX/PIC Construct grade-separated overcrossing. Provide efficient movement of traffic to PDX properties.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	2018
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	4 Time Frame (Years): 10 years Road PDX/PIC Construct grade-separated overcrossing. Provide efficient movement of traffic to PDX properties.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	2018
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	4 Time Frame (Years): 10 years Road PDX/PIC Construct grade-separated overcrossing. Provide efficient movement of traffic to PDX properties. 700261 10362 Airport Futures Transportation Impact Study (2010)	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	2018
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	4 Time Frame (Years): 10 years Road PDX/PIC Construct grade-separated overcrossing. Provide efficient movement of traffic to PDX properties. 700261 10362 Airport Futures Transportation Impact Study (2010) Deliver an Outstanding PDX Passenger Experience	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2018 \$5,000,000

Project Name: Cornfoot Road Multimodal Safety Improvements

	O lime Frame (Years): 5 years	<u> Iotal Cost:</u>	\$3,708,539
Project Type:	Bike/Ped	Year of Cost Estimate:	2013
Operation Area	PDX/PIC	<u>Federal:</u>	2010
Project Description:	Provide a separated multi-use path on the north side of NE		
	Cornfoot Road.	State:	
		<u>City:</u>	
Purpose:	Increase safety and provide improved bicycle and	SDC:	
	pedestrian access along NE Cornfoot Road.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:	10340	Forecasted: Private:	
Recent Study:		Other:	
•			
	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$3,708,539
RTP 2045 Illustra	•		
✓ RTP 2045 Constr	ained Identified in STIP		
	HIO Reconstruct Runway 13R/31L		
Map ID:	6 Time Frame (Years): 5 years	Tatal Cast.	
		Total Cost:	\$34,700,000
Project Type:	Aviation	Year of Cost	\$34,700,000 2018
Project Type: Operation Area	Aviation Hillsboro	Year of Cost Estimate:	
Operation Area	Hillsboro Reconstruct the runway in three phases, including lighting,	Year of Cost Estimate: Federal:	
Operation Area	Hillsboro	Year of Cost Estimate: Federal: State:	
Operation Area Project Description:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements.	Year of Cost Estimate: Federal: State: City:	
Operation Area Project Description:	Hillsboro Reconstruct the runway in three phases, including lighting,	Year of Cost Estimate: Federal: State: City: SDC:	
Operation Area Project Description:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements.	Year of Cost Estimate: Federal: State: City:	
Operation Area Project Description:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements. Provide improvements identified in HIO 2006 Master Plan.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Operation Area Project Description: Purpose:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements. Provide improvements identified in HIO 2006 Master Plan.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Operation Area Project Description: Purpose: MW NUM: RTP Related:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements. Provide improvements identified in HIO 2006 Master Plan.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements. Provide improvements identified in HIO 2006 Master Plan. 101554 HIO 2006 Master Plan	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2018
Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study: Port Strategic Area:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements. Provide improvements identified in HIO 2006 Master Plan. 101554 HIO 2006 Master Plan Connect People and Businesses to Markets	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Hillsboro Reconstruct the runway in three phases, including lighting, drainage, and taxiway improvements. Provide improvements identified in HIO 2006 Master Plan. 101554 HIO 2006 Master Plan Connect People and Businesses to Markets tive Conditioned Project	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2018

✓ RTP 2045 Constrained

Map ID:	HIO Taxiway A Reconstruction		
Map ID:	7 Time Frame (Years): 5 years	Total Cost:	\$13,630,000
Project Type:	Aviation	Year of Cost Estimate:	2018
Operation Area	Hillsboro	<u>Estimate.</u> <u>Federal:</u>	2010
Project Description:	Rehabilitate full length parallel Taxiway A including	State:	
	drainage, lighting, and markings.	<u>City:</u>	
		SDC:	
Purpose:	Provide improvements identified in HIO 2006 Master Plan	Port Share	
		Committed:	
MW NUM:	700494	Port Share Forecasted:	
RTP Related:		<u>Private:</u>	
Recent Study:	HIO 2006 Master Plan	Other:	
Port Strategic Area	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$13,630,000
☐ RTP 2045 Constr			
Project Name:	T6 Crane Drives for Cranes 6380 and 638	<u>81</u>	
Map ID:		81 Total Cost:	\$2,800,000
	_	Total Cost: Year of Cost	\$2,800,000
Map ID:	8 Time Frame (Years): 5 years	Total Cost: Year of Cost Estimate:	\$2,800,000 2018
Map ID: Project Type: Operation Area	8 Time Frame (Years): 5 years Marine Rivergate	Total Cost: Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	8 Time Frame (Years): 5 years Marine	Total Cost: Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and	Total Cost: Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and	Total Cost: Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and 6381.	Total Cost: Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and 6381. Improve operational efficiencies for the container cranes.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and 6381. Improve operational efficiencies for the container cranes.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM:	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and 6381. Improve operational efficiencies for the container cranes.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	8 Time Frame (Years): 5 years Marine Rivergate Crane management system upgrades for Cranes 6380 and 6381. Improve operational efficiencies for the container cranes.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	

Identified in STIP

RTP 2045 Constrained

Project Name:	T6 Auto Terminal		
Map ID:	9 Time Frame (Years): 5 years	Total Cost:	\$35,000,000
Project Type:	Marine	Year of Cost Estimate:	2017
Operation Area	Rivergate	<u>Federal:</u>	
Project Description:	Pavement renewal, processing building, rail ramp and office.	State:	
		City:	
D		SDC:	
Purpose:	Capture demand for mid level auto account.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:		Forecasted: Private:	
Recent Study:		Other:	
RTP 2045 Illustra	<u> </u>		
Map ID:	10 Time Frame (Years): 5 years	Total Cost:	\$8,000,000
Project Type:	Marine	Year of Cost	2017
Operation Area	Rivergate	<u>Estimate:</u> <u>Federal:</u>	2017
Project Description:	Modify existing berth for roll on-roll off (RORO) vessels.	<u>rederal.</u> <u>State:</u>	
		<u>City:</u>	
		SDC:	
Purpose:	Capture demand for high and heavy cargo.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:		Forecasted: Private:	
Recent Study:		Other:	
Port Stratogic Area	Connect People and Businesses to Markets	Unfunded:	\$8,000,000
RTP 2045 Illustra			÷=,300,000

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	0010
Operation Area	Rivergate	Estimate:	2016
Project Description:	Provide a new track from Barnes Yard to Terminal 4.	<u>Federal:</u>	
	Includes replacement of Lombard Bridge.	State:	
		<u>City:</u>	
Purpose:	Improve rail access to Terminal 4.	SDC:	
		Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	11355	<u>Private:</u>	
Recent Study:	Marine Terminal Master Plan 2020 (2003)	Other:	
Port Stratogia Aras	Drive Designed Description	Unfunded:	\$10,543,000
Port Strategic Area: ✓ RTP 2045 Illustra		<u> </u>	Ψ10,010,000
✓ RTP 2045 Consti	•		
Project Name:		.	
Map ID:	12 Time Frame (Years): 5 years	Total Cost:	\$480,000
Map ID: Project Type:	12 Time Frame (Years): 5 years	Total Cost: Year of Cost Estimate:	\$480,000 2007
Map ID: Project Type: Operation Area	12 Time Frame (Years): 5 years ITS Rivergate	Year of Cost	
Map ID: Project Type: Operation Area	12 Time Frame (Years): 5 years	Year of Cost Estimate:	
Map ID: Project Type: Operation Area	12 Time Frame (Years): 5 years ITS Rivergate	Year of Cost Estimate: Federal:	
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:	
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 information about the roadway system to ODOT's Highway	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. Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	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: MW 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	
Map ID: Project Type: Operation Area Project Description: Purpose: MW 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: MW 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

✓ RTP 2045 Constrained

Project Name: Terminal 4 Pier 1 Site Preparation **Map ID:** 13 Time Frame (Years): 5 years **Total Cost:** \$38,000,000 **Year of Cost** Project Type: Marine 2015 **Estimate: Operation Area** Rivergate Federal: Project Description: Remove Berths 405 and 408, the grain leg platform and State: tower, and the grain elevator in the Pier 1 area of Terminal 4. City: SDC: Purpose: This project will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in **Port Share** the Portland Harbor. **Committed: Port Share** MW NUM: 701210, 701211,70120 Forecasted: RTP Related: 11208 Private: Recent Study: Terminal 4 Pier 1 Facility Plan (TEC Inc.) Other: **Unfunded:** \$38,000,000 Port Strategic Area: Drive Regional Prosperity ✓ RTP 2045 Illustrative Conditioned Project **▼** RTP 2045 Constrained Identified in STIP Project Name: Marine Drive ITS Improvement Map ID: 14 Time Frame (Years): 10 years **Total Cost:** \$200,000 **Year of Cost** Project Type: ITS 2007 **Estimate: Operation Area** Rivergate Federal: **Project Description:** Install a CCTV at Portland Road and changeable message State: signs at N. Portland Road, North Vancouver Way and NE 185th Drive. City: SDC: Purpose: Improve traffic efficiency in the Columbia Corridor. **Port Share** Committed: Port Share MW NUM: Forecasted: RTP Related: 10346 Private: Recent Study: Columbia Multimodal Corridor Study 2012 Other: **Unfunded:** \$200.000 Port Strategic Area: Connect People and Businesses to Markets ✓ RTP 2045 Illustrative Conditioned Project

Identified in STIP

Project Name:	T4 Pier 1 Tracks 704-709		
Map ID:	15 Time Frame (Years): 5 years	Total Cost:	\$1,000,000
Project Type:	Marine	Year of Cost	2018
Operation Area	Rivergate	Estimate:	2016
Project Description:	Perform upgrades and rehabilitation on tracks 704-709.	<u>Federal:</u>	
		State:	
		City:	
Purpose:	Support rail car storage needs of Terminal 4 tenants	SDC:	
		Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	11208	<u>Private:</u>	
Recent Study:	Port Rail Plan	Other:	
Port Stratogic Area	Connect People and Businesses to Markets	Unfunded:	\$1,000,000
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Project Name:	T4 Berth 410, 411 Rail Yard Improvemen		
Project Name:	T4 Berth 410, 411 Rail Yard Improvement To Time Frame (Years): 10 years	Total Cost:	\$7,800,000
Project Name: Map ID: Project Type:	T4 Berth 410, 411 Rail Yard Improvemen The Time Frame (Years): 10 years Rail		\$7,800,000 2015
Project Name: Map ID: Project Type: Operation Area	T4 Berth 410, 411 Rail Yard Improvement The Time Frame (Years): 10 years Rail Rivergate	Total Cost: Year of Cost	
Project Name: Map ID: Project Type: Operation Area	T4 Berth 410, 411 Rail Yard Improvemen The Time Frame (Years): 10 years Rail	Total Cost: Year of Cost Estimate: Federal: State:	
Project Name: Map ID: Project Type: Operation Area	T4 Berth 410, 411 Rail Yard Improvemen 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:	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvemen 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:	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvement 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:	
Project Name: Map ID: Project Type: Operation Area Project Description:	T4 Berth 410, 411 Rail Yard Improvement 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 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: MW NUM:	T4 Berth 410, 411 Rail Yard Improvement 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: MW NUM: RTP Related: Recent Study:	T4 Berth 410, 411 Rail Yard Improvement 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: Private:	
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW 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. 102052 Port Rail Plan Connect People and Businesses to Markets	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:	\$14,200,000
Project Type:	Road	Year of Cost	0010
Operation Area	Rivergate	Estimate:	2018
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:	
MW NUM:		Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:	Terminal 4 Pier 1 Facility Plan	Other:	
Port Stratogic Area	Connect People and Businesses to Markets	Unfunded:	\$14,200,000
RTP 2045 Illustra			
	Columbia River Mouth Jetty Refurbishme	<u>ent</u>	
Project Name:		Total Cost:	\$239,000,000
			\$239,000,000 2016
Map ID:	18 Time Frame (Years): 5 years	Total Cost: Year of Cost Estimate:	
Map ID: Project Type: Operation Area	18 Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth	Total Cost: Year of Cost	2016
Map ID: Project Type: Operation Area	18 Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and	Total Cost: Year of Cost Estimate: Federal:	2016
Map ID: Project Type: Operation Area Project Description:	Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth of the Columbia River.	Total Cost: Year of Cost Estimate: Federal: State:	2016
Map ID: Project Type: Operation Area Project Description:	18 Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth	Total Cost: Year of Cost Estimate: Federal: State: City:	2016
Map ID: Project Type: Operation Area Project Description:	Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth of the Columbia River.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	2016
Map ID: Project Type: Operation Area Project Description: Purpose:	Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth of the Columbia River.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	2016
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM:	Time Frame (Years): 5 years Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth of the Columbia River.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	2016
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth of the Columbia River. This is a critical repair of the jetties at the Columbia River Bar.	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	2016
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Marine Rivergate With Jetty A now complete, North Jetty funded and underway, refurbish and repair the South Jetty at the mouth of the Columbia River. This is a critical repair of the jetties at the Columbia River Bar. Connect People and Businesses to Markets	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2016 \$50,000,000

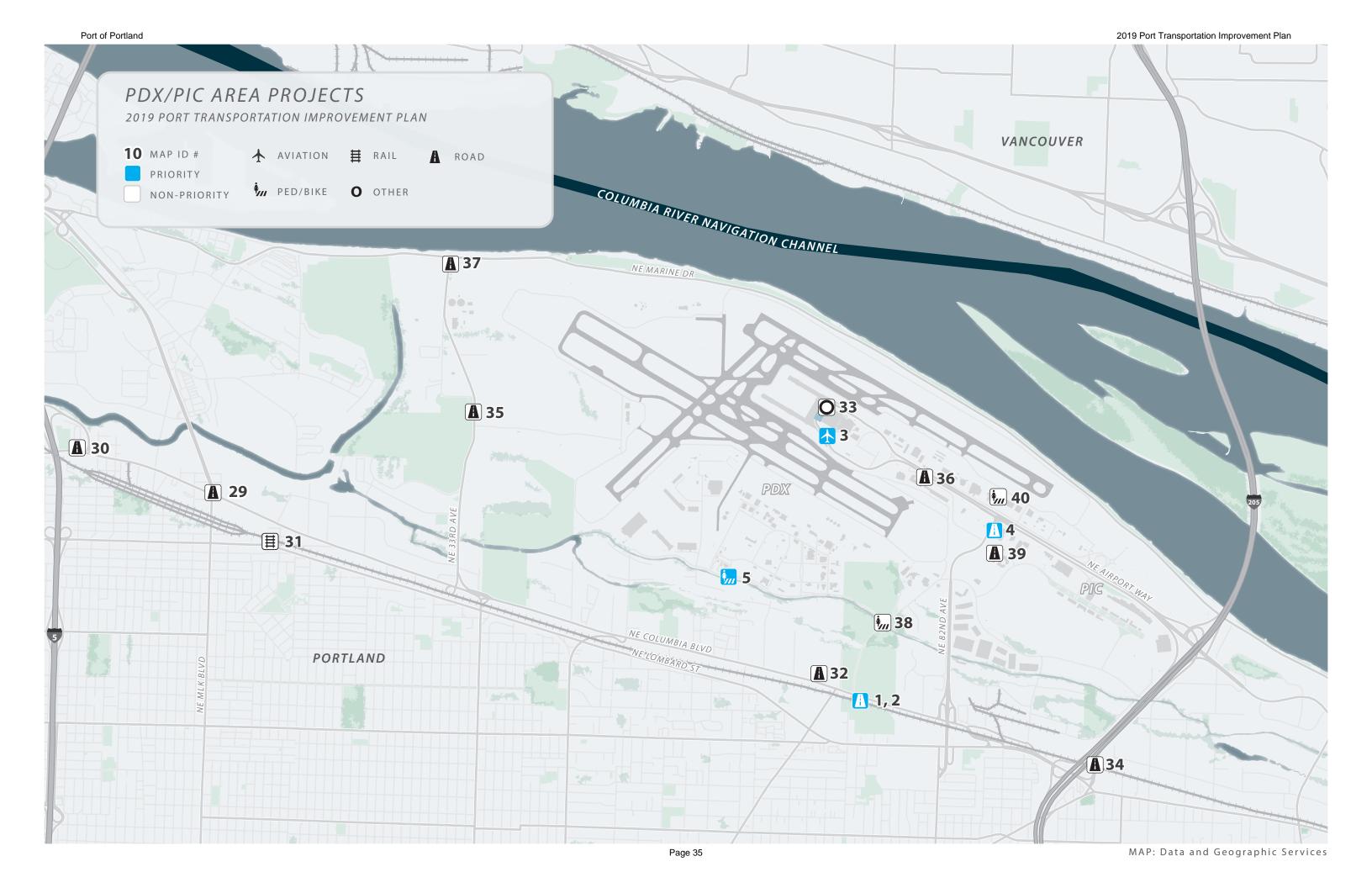
Project Name:	Time Oil Road Reconstruction		
Map ID:	19 Time Frame (Years): 10 years	Total Cost:	\$9,000,000
Project Type:	Road	Year of Cost Estimate:	2013
Operation Area	Rivergate	<u>Estimate.</u> <u>Federal:</u>	2010
Project Description:	Reconstruct Time Oil Road.	State:	
		City:	
_		SDC:	
Purpose:	Provide improved access to South Rivergate industrial area.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	11654	Private:	
Recent Study:		Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$9,000,000
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<u> </u>	Rivergate Boulevard Overcrossing		
<u> </u>	Rivergate Boulevard Overcrossing	Total Cost:	\$26,158,076
Project Name: Map ID: Project Type:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road	Total Cost: Year of Cost Estimate:	\$26,158,076 2018
Project Name: Map ID: Project Type: Operation Area	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate	Year of Cost	
Project Name: Map ID: Project Type: Operation Area	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road	Year of Cost Estimate:	2018
Project Name: Map ID: Project Type: Operation Area	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate	Year of Cost Estimate: Federal:	2018 \$16,723,093
Project Name: Map ID: Project Type: Operation Area Project Description:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate Grade separate the South Rivergate Lead at Rivergate Blvd.	Year of Cost Estimate: Federal: State:	2018 \$16,723,093 1112970
Project Name: Map ID: Project Type: Operation Area Project Description:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate	Year of Cost Estimate: Federal: State: City:	2018 \$16,723,093 1112970
Project Name: Map ID: Project Type: Operation Area Project Description:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate Grade separate the South Rivergate Lead at Rivergate Blvd. Improve rail and vehicle traffic flow in Rivergate Industrial District.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	2018 \$16,723,093 1112970 \$4,322,013
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate Grade separate the South Rivergate Lead at Rivergate Blvd. Improve rail and vehicle traffic flow in Rivergate Industrial District.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	2018 \$16,723,093 1112970 \$4,322,013
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate Grade separate the South Rivergate Lead at Rivergate Blvd. Improve rail and vehicle traffic flow in Rivergate Industrial District.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	2018 \$16,723,093 1112970 \$4,322,013
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate Grade separate the South Rivergate Lead at Rivergate Blvd. Improve rail and vehicle traffic flow in Rivergate Industrial District. 700687 11659	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	2018 \$16,723,093 1112970 \$4,322,013
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Rivergate Boulevard Overcrossing 20 Time Frame (Years): 5 years Road Rivergate Grade separate the South Rivergate Lead at Rivergate Blvd. Improve rail and vehicle traffic flow in Rivergate Industrial District. 700687 11659 Connect People and Businesses to Markets	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2018 \$16,723,093 1112970 \$4,322,013

Project Name:	PSU ITS Expansion		
Map ID:	21 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:	
MW NUM:		Port Share Forecasted:	
RTP Related:	11104	Private:	
Recent Study:		Other:	
Port Strategic Area	Connect People and Businesses to Markets	Unfunded:	
✓ RTP 2045 Illustra	ative Conditioned Project		
Project Name:	_		
Project Name:	Dredge Oregon Pipe, Scows and Pontoo		
Project Name:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years	Total Cost:	\$10,200,000
Project Name: Map ID: Project Type:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine		\$10,200,000 2014
Project Name: Map ID: Project Type: Operation Area	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island	Total Cost: Year of Cost	
Project Name: Map ID: Project Type: Operation Area	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island Acquire 2,000 feet of dredge pipe, pontoons, anchor scows	Total Cost: Year of Cost Estimate:	
Project Name: Map ID: Project Type: Operation Area	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island	Total Cost: Year of Cost Estimate: Federal:	
Project Name: Map ID: Project Type: Operation Area Project Description:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island Acquire 2,000 feet of dredge pipe, pontoons, anchor scows and anchors.	Total Cost: Year of Cost Estimate: Federal: State:	
Project Name: Map ID: Project Type: Operation Area Project Description:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island Acquire 2,000 feet of dredge pipe, pontoons, anchor scows	Total Cost: Year of Cost Estimate: Federal: State: City:	
Project Name: Map ID: Project Type: Operation Area Project Description:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island Acquire 2,000 feet of dredge pipe, pontoons, anchor scows and anchors. Allow Dredge Oregon to make full use of recent repower and	Total Cost: Year of Cost Estimate: Federal: State: City: SDC:	
Project Name: Map ID: Project Type: Operation Area Project Description:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island 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.	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:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island 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.	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: MW NUM:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island 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.	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: MW NUM: RTP Related: Recent Study:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island 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.	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: MW NUM: RTP Related: Recent Study:	Dredge Oregon Pipe, Scows and Pontoo 22 Time Frame (Years): 5 years Marine T2/Swan Island 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. 700445	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2014

Project Name:	New Dredge Tender		
Map ID:	Time Frame (Years): 5 years	Total Cost:	\$6,000,000
Project Type:	Marine	Year of Cost	0014
Operation Area	T2/Swan Island	Estimate:	2014
Project Description:	Replace the existing vintage tugboat W.L. Williams with a	<u>Federal:</u>	
	newly constructed modern work-boat vessel. Repower tugboat Clackamas.	State:	
	tage at the state	<u>City:</u>	
Purpose:	Improve operational support for Dredge Oregon dredging operations and improve environmental performance.	SDC: Port Share	
		Committed:	
MW NUM: RTP Related:		Port Share Forecasted: Private:	
Recent Study:		Other:	
	Promote Excellence in Organizational Effectiveness	Unfunded:	\$6,000,000
RTP 2045 Constr			
	Dredge Oregon Support Equipment		
Map ID:		Total Cost:	\$2,000,000
Project Type:	24 Time Frame (Years): 5 years Marine	Total Cost: Year of Cost Estimate:	\$2,000,000 2015
Project Type: Operation Area	24 Time Frame (Years): 5 years Marine T2/Swan Island	Year of Cost	
Project Type: Operation Area	24 Time Frame (Years): 5 years Marine	Year of Cost Estimate:	
Project Type: Operation Area	24 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support	Year of Cost Estimate: Federal:	
Project Type: Operation Area Project Description:	24 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support vessels and landside equipment such as bulldozers.	Year of Cost Estimate: Federal: State:	
Project Type: Operation Area Project Description:	24 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support	Year of Cost Estimate: Federal: State: City:	
Project Type: Operation Area Project Description:	24 Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support vessels and landside equipment such as bulldozers.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Type: Operation Area Project Description: Purpose:	Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support vessels 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:	
Project Type: Operation Area Project Description: Purpose:	Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support vessels and landside equipment such as bulldozers. Improve productivity and environmental performance.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support vessels 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:	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Time Frame (Years): 5 years Marine T2/Swan Island Repower or replace navigation equipment including support vessels 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:	Time Frame (Years): 5 years	Total Cost:	\$18,000,000
Project Type:	Aviation	Year of Cost Estimate:	2010
Operation Area	East County	<u>Federal:</u>	
Project Description:	Reconstruct existing 150' x 5400' runway; narrow to 75' wide, reduce length to 4500', relocate/reconstruct edge lighting,	State:	
	construct required drainage improvements.	City:	
Durnooo	During the difference of the COOM TTD Manager Disc.	SDC:	
Purpose.	Project identified in 2004 TTD Master Plan.	Port Share Committed:	
MW NUM:	700429	Port Share	
RTP Related:		Forecasted: Private:	
Recent Study:		Other:	
Dort Stratagia Arag	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$18,000,000
RTP 2045 Const	rained Identified in STIP		
	40 Mile Loop Trail: Blue Lake Park to Sur	ndial Rd.	
		ndial Rd. Total Cost:	\$3,424,073
Project Name:		Total Cost: Year of Cost	\$3,424,073 2014
Project Name: Map ID: Project Type: Operation Area	26 Time Frame (Years): 5 years Bike/Ped East County	Total Cost:	
Project Name: Map ID: Project Type: Operation Area	26 Time Frame (Years): 5 years Bike/Ped	Total Cost: Year of Cost Estimate:	2014
Project Name: Map ID: Project Type: Operation Area	26 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:	2014
Project Name: Map ID: Project Type: Operation Area Project Description:	26 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
Project Name: Map ID: Project Type: Operation Area Project Description:	26 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
Project Name: Map ID: Project Type: Operation Area Project Description:	26 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
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose:	26 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:	2014 \$3,072,421 \$117,217
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM:	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
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW 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:	2014 \$3,072,421 \$117,217
Project Name: Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	26 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. 102069 12075 Connect People and Businesses to Markets	Total Cost: Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2014 \$3,072,421 \$117,217

Project Name:	<u>Sundial</u>	Road at Graham	Road		
Map ID:	27	Time Frame (Years)	: years	Total Cost:	\$1,000,000
Project Type:	Road			Year of Cost Estimate:	2017
Operation Area	East County	у		<u>Estimate.</u> <u>Federal:</u>	2017
Project Description:	Install traffic	c signal.		<u>r ederdi:</u> State:	
				<u>City:</u>	
				SDC:	
Purpose:	Address tra	iffic growth at Troutdale Rey	nolds Industrial Park	Port Share Committed:	
MW NUM:				Port Share Forecasted:	
RTP Related:				<u>Private:</u>	
Recent Study:	Froutdale R	eynolds Traffic Study		<u>Other:</u>	
Port Strategic Area	: Drive Regio	onal Prosperity		<u>Unfunded:</u>	\$1,000,000
✓ RTP 2045 Illustra ✓ RTP 2045 Const		Conditioned Project Identified in STIP	et		
Project Name:	TRIP Ro	oad Access Phase	3		
Map ID:	28	Time Frame (Years)	: 10 years	Total Cost:	
Project Type:	Road			Year of Cost	
Operation Area	East County	у		Estimate:	
Project Description:	Road impro	ovements to serve Phase 3 i	ndustrial	<u>Federal:</u>	
		nt. Actual project will be dev on with stakeholders.	veloped in	State:	
				<u>City:</u> SDC:	
Purpose:	Address off	-site transportation impacts		Port Share	
				Committed:	
MW NUM:	700215			Port Share	
RTP Related:	11743			Forecasted:	
Recent Study:	:			Private:	
-				<u>Other:</u> <u>Unfunded:</u>	
Port Strategic Area: ✓ RTP 2045 Illustra				<u>omunueu.</u>	
RTP 2045 Illustra		Conditioned Project Identified in STIP	;i		



Project Name: Columbia Blvd. Improvements at MLK

Map ID:	29 Tin	ne Frame (Years):	5 years	Total Cost:	\$3,359,259
Project Type:	Road			Year of Cost	2011
Operation Area	PDX/PIC			Estimate:	2011
Project Description:	Construct right to	urn lane on Columbia at N	MLK.	<u>Federal:</u>	\$3,014,263
	3			<u>State:</u>	
				<u>City:</u>	\$344,996
Purpose:	Improve connect	tivity for freight traffic betv	veen Columbia	SDC:	
	Blvd. and Riverg	ate.		Port Share Committed:	
MW NUM:				Port Share	
RTP Related:	10208			Forecasted: Private:	
Recent Study:	Columbia Corride	or Transportation Study (1999)	Other:	
D . O				Unfunded:	
Port Strategic Area:				<u>Omunueu.</u>	
✓ RTP 2045 Illustra ✓ RTP 2045 Consti		☐ Conditioned Pro			
Project Name:	L E/Columb	ia Blud Improve	mont		
r roject riame.	I-5/Columb	ла Біуа. Ппріоче	<u>aneni</u>		
Map ID:		ne Frame (Years):	10 years	Total Cost:	\$51,773,032
				Year of Cost	\$51,773,032 2006
Map ID:	30 Tin			Year of Cost Estimate:	
Map ID: Project Type:	30 Tin Road PDX/PIC Construct a full ir	ne Frame (Years): nterchange at Columbia I	10 years Blvd. or the	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	30 Tin Road PDX/PIC Construct a full ir functional equiva	ne Frame (Years):	10 years Blvd. or the	Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	30 Tin Road PDX/PIC Construct a full ir functional equiva	ne Frame (Years): nterchange at Columbia I	10 years Blvd. or the	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a	ne Frame (Years): nterchange at Columbia I	10 years Blvd. or the ects: Delta Park	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a	ne Frame (Years): Interchange at Columbia I Alent. Includes three projund Argyle on the Hill.	10 years Blvd. or the ects: Delta Park	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Map ID: Project Type: Operation Area Project Description:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a	ne Frame (Years): Interchange at Columbia I Alent. Includes three projund Argyle on the Hill.	10 years Blvd. or the ects: Delta Park	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a Improve connect trucks.	ne Frame (Years): Interchange at Columbia I Alent. Includes three projund Argyle on the Hill.	10 years Blvd. or the ects: Delta Park	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a Improve connect trucks.	ne Frame (Years): Interchange at Columbia I Alent. Includes three projund Argyle on the Hill.	10 years Blvd. or the ects: Delta Park Blvd. and I-5 for	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a Improve connect trucks. 10219 I-5 Delta Park En	ne Frame (Years): Interchange at Columbia I alent. Includes three projund Argyle on the Hill. Itions between Columbia I avironmental Assessment	10 years Blvd. or the ects: Delta Park Blvd. and I-5 for	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	30 Tin Road PDX/PIC Construct a full ir functional equiva Phase II and III a Improve connect trucks. 10219 I-5 Delta Park En Connect People	ne Frame (Years): Interchange at Columbia I alent. Includes three projund Argyle on the Hill. Itions between Columbia I avironmental Assessment	10 years Blvd. or the ects: Delta Park Blvd. and I-5 for (2006)	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2006

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

Map ID:	Time Frame (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 at-grade crossing and improve	<u>Federal:</u>	
	alternate roadway access.	State:	
		<u>City:</u>	
Purpose:	Improve Kenton Mainline operation and eliminate a modal	SDC:	
	conflict.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	10334	<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$1,000,000
✓ RTP 2045 Illustra			
✓ RTP 2045 Constr	rained Identified in STIP		
Project Name:	Columbia Blvd. Widening (82nd Ave	60th Ave.)	
Map ID:			
Map ID.	Time Frame (Years): 20 years	Total Cost:	\$15,000,000
мар ю. Project Type:	32 Time Frame (Years): 20 years Road	Year of Cost	
Project Type:		Year of Cost Estimate:	\$15,000,000 2003
Project Type: Operation Area	Road	Year of Cost Estimate: Federal:	
Project Type: Operation Area	Road PDX/PIC	Year of Cost Estimate: Federal: State:	
Project Type: Operation Area	Road PDX/PIC	Year of Cost Estimate: Federal: State: City:	
Project Type: Operation Area Project Description:	Road PDX/PIC	Year of Cost Estimate: Federal: State: City: SDC:	
Project Type: Operation Area Project Description:	Road PDX/PIC Widen Columbia Blvd. to five lanes.	Year of Cost Estimate: Federal: State: City:	
Project Type: Operation Area Project Description: Purpose:	Road PDX/PIC Widen Columbia Blvd. to five lanes.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Type: Operation Area Project Description: Purpose: MW NUM:	Road PDX/PIC Widen Columbia Blvd. to five lanes. Address system bottleneck along Columbia Blvd.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	Road PDX/PIC Widen Columbia Blvd. to five lanes. Address system bottleneck along Columbia Blvd.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Road PDX/PIC Widen Columbia Blvd. to five lanes. Address system bottleneck along Columbia Blvd. 10376 East Columbia-Lombard Connector Study Transportation Analysis (2000)	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2003
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Road PDX/PIC Widen Columbia Blvd. to five lanes. Address system bottleneck along Columbia Blvd. 10376 East Columbia-Lombard Connector Study	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Road PDX/PIC Widen Columbia Blvd. to five lanes. Address system bottleneck along Columbia Blvd. 10376 East Columbia-Lombard Connector Study Transportation Analysis (2000) Connect People and Businesses to Markets	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2003

Project Name: PDX Transportation Demand Management (TDM)

Map ID:	Time Frame (Years): 5 years	<u>Total Cost:</u>	\$2,000,000
Project Type:	Other	Year of Cost Estimate:	
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Implement strategies at PDX and PIC properties that	State:	
	reduce auto trips in the airport area. Programs to be undertaken with other area businesses/developers to	<u>City:</u>	
	maximize effectiveness; possible bus shuttle through Tri Met.	SDC:	
Purpose:	Fulfill TDM requirements of PDX Master Plan. Implement		
	TDM projects and programs recommended in the PDX Alternative Modes Study.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:		Forecasted:	
Recent Study:	PDX Employee TDM Program Study (2002)	<u>Private:</u> <u>Other:</u>	
		Unfunded:	# 0.000.000
	Promote Excellence in Organizational Effectiveness	<u>omanaea.</u>	\$2,000,000
RTP 2045 Illustra	tive Conditioned Project		
Map ID:	Time Frame (Years): 5 years	Total Cost:	\$6,700,000
мар ід. Project Type:	Road Road	Year of Cost	\$6,700,000
Operation Area	PDX/PIC	Estimate:	2013
-	·	<u>Federal:</u>	\$6,700,000
Project Description.	New auxiliary lane from I-84 to I-205 NB before Columbia Blvd. $ \label{eq:local_problem}$	State:	
		<u>City:</u>	
Purpose:	Provide additional capacity for anticipated growth in area	SDC:	
	traffic.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	11398	<u>Private:</u>	
Recent Study:	ODOT Bottleneck Study (2013)	Other:	
Port Strategic Area:	Deliver an Outstanding PDX Passenger Experience	<u>Unfunded:</u>	
✓ RTP 2045 Illustra			
✓ RTP 2045 Const	_		

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

Map ID:	Time Frame (Years): 10 years	<u>Total Cost:</u>	\$5,917,500
Project Type:	Road	Year of Cost Estimate:	2007
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Provide street access from 33rd Ave. into SW Quad.	State:	
		City:	
_		SDC:	
Purpose:	Provide efficient movement of traffic to developing PDX properties.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	10363	Private:	
Recent Study:	PDX Conditional Use Master Plan (2003)	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$5,917,500
✓ RTP 2045 Illustra			
✓ RTP 2045 Consti			
Map ID:	PDX Roadways Signing Update 36 Time Frame (Years): 5 years	<u>Total Cost:</u>	\$1,400,000
Project Type:	Road	Year of Cost	Ψ1,+00,000
Operation Area	PDX/PIC	Estimate:	
•		<u>Federal:</u>	
Project Description:	Update roadway signs to current national guidelines.	State:	
		<u>City:</u>	
Purnose:	Support customer experience and safety.	SDC:	
. ш.росо.	support sustainer experience and sulety.	Port Share Committed:	
MW NUM:	701155	Port Share	
RTP Related:		<u>Forecasted:</u> <u>Private:</u>	
Recent Study:		Other:	
Port Stratogic Area	Deliner on Outstanding DDV December 5	<u>Unfunded:</u>	\$1,400,000
RTP 2045 Illustra	Deliver an Outstanding PDX Passenger Experience		ψ1,100,000
RTP 2045 Illustra	•		
LI RIP 2045 CONSTI	rained Identified in STIP		

Project Name: 33rd Avenue/Marine Drive Intersection Improvements

Map ID:	37 Ti	me Frar	me (Ye	ears):	5	yea	ars	Total Cost:	\$5,760,643
Project Type:	Road							Year of Cost	2013
Operation Area	PDX/PIC							<u>Estimate:</u> <u>Federal:</u>	2010
Project Description:	Signalize and m	odify the i	intersect	ion of NE	E 33	Brd Av	enue	<u>r ederar.</u> State:	
	and Marine Driv	e.						<u>State.</u> <u>City:</u>	Φ1 000 000
								SDC:	\$1,000,000
Purpose:	Improve safety incorporate bike					Лау		Port Share	
	incorporate bike	сана реа	lacilities	as well.	•			Committed:	
MW NUM:	700461							Port Share Forecasted:	
RTP Related:	10337							Private:	
Recent Study:	PDX Airport Fut	ures 2010	Master F	Plan				Other:	
Port Strategic Area:	Connect People	e and Busi	inesses t	to Marke	ets			<u>Unfunded:</u>	\$4,760,643
✓ RTP 2045 Illustra				ned Pro		t			
▼ RTP 2045 Constr	ained		dentified	d in STIF	P				
Project Name:	Alderwood	Stree	t Bike	way					
Map ID:		me Frar	me (Ye	ears):	5	5 yea	ars	Total Cost:	\$2,500,000
Map ID: Project Type:		me Frar	me (Ye	ears):	5	ō yea	ars	Year of Cost	\$2,500,000 2017
•	38 T i	me Frar	me (Ye	ears):	5	ō yea	ars	Year of Cost Estimate:	
Project Type:	38 Till Bike/Ped PDX/PIC Provide bike lar	es or path	nway on .	Alderwoo	od F	Road	ars	Year of Cost Estimate: Federal:	
Project Type: Operation Area	38 Till Bike/Ped PDX/PIC	es or path	nway on .	Alderwoo	od F	Road	ars	Year of Cost Estimate: Federal: State:	
Project Type: Operation Area Project Description:	38 Till Bike/Ped PDX/PIC Provide bike lar between Colum	es or path bia Blvd. a	nway on . and the A	Alderwoo Alderwoo	ood F od T	Road Trail.		Year of Cost Estimate: Federal: State: City:	
Project Type: Operation Area Project Description:	38 Till Bike/Ped PDX/PIC Provide bike lar	es or path bia Blvd. a	nway on . and the A	Alderwoo Alderwoo	ood F od T	Road Trail.		Year of Cost Estimate: Federal: State:	
Project Type: Operation Area Project Description:	38 Till Bike/Ped PDX/PIC Provide bike lar between Colum	es or path bia Blvd. a	nway on . and the A	Alderwoo Alderwoo	ood F od T	Road Trail.		Year of Cost Estimate: Federal: State: City: SDC:	
Project Type: Operation Area Project Description:	38 Till Bike/Ped PDX/PIC Provide bike lar between Colum	es or path bia Blvd. a	nway on . and the A	Alderwoo Alderwoo	ood F od T	Road Trail.		Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Type: Operation Area Project Description: Purpose:	38 Till Bike/Ped PDX/PIC Provide bike lar between Column Improve safety vehicle traffic.	es or path bia Blvd. a	nway on . and the A	Alderwoo Alderwoo	ood F od T	Road Trail.		Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Project Type: Operation Area Project Description: Purpose: MW NUM:	38 Till Bike/Ped PDX/PIC Provide bike lar between Column Improve safety vehicle traffic.	es or path bia Blvd. a and provid	nway on A	Alderwoo Alderwoo separati	ood F od T tion f	Road Trail.		Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	38 Till Bike/Ped PDX/PIC Provide bike lar between Column Improve safety vehicle traffic.	es or path bia Blvd. a and provic	nway on and the A	Alderwood Alderwood separati Master P	ood F ood T tion f	Road Trail.		Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	38 Till Bike/Ped PDX/PIC Provide bike lar between Column Improve safety vehicle traffic. 10338 2014 Airport Bike Connect People	es or pathbia Blvd. a and provide and Pec	nway on And the And	Alderwood Alderwood separati Master P	ood F ood T tition f	Road rail.		Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2017

Project Name: 82nd/Airport Way Interim Improvements

Map ID:	Time Frame (Years): 5 years	<u>Total Cost:</u>	\$3,100,000
Project Type:	Bike/Ped	Year of Cost Estimate:	
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Modify intersection, signals, and sidewalks between	State:	
	Airport Way and Frontage Road. Includes Tri Met double track path.	City:	
_		SDC:	
Purpose:	Interim improvements to address congestion at the intersection.	Port Share	
		Committed:	
MW NUM:	700851	Port Share	
RTP Related:		Forecasted: Private:	
Recent Study:		Other:	
Port Strategic Area	Deliver an Outstanding PDX Passenger Experience	Unfunded:	\$3,100,000
RTP 2045 Illustra			
RTP 2045 Constr			
Project Name:	Bicycle/Pedestrian Upgrades		
Map ID:	Time Frame (Years): 10 years	Total Cost:	
Project Type:	Bike/Ped	Year of Cost Estimate:	
Operation Area	PDX/PIC	<u>Federal:</u>	
Project Description:	Modify existing paths and routes along N. Frontage Road and 82nd Avenue.	State:	
	and ozna Avenue.	City:	
_		SDC:	
Purpose:	Implement recommendations from independent audit.	Port Share	
		Committed:	
MW NUM:	701164	Port Share	
RTP Related:		Forecasted: Private:	
Recent Study:		Other:	
-		<u>Other.</u> <u>Unfunded:</u>	
	Deliver an Outstanding PDX Passenger Experience	<u>omanaca.</u>	
RTP 2045 Illustra	•		



Page 42

MAP: Data and Geographic Services

Project Name: HIO 13R-31L RSA Modifications

Map ID:	41	Time Frame (\	(ears):	5 years	Total Cost:	\$19,404,000
Project Type:	Aviation				Year of Cost	2018
Operation Area	Hillsboro				<u>Estimate:</u> <u>Federal:</u>	2010
Project Description:	Implement m	odifications to redu	uce waterfov	wl habitat in the	<u>r ederar.</u> State:	
	runway safety	/ area.			<u>City:</u>	
					SDC:	
Purpose:	Modify and marea.	nitigate for water fe	atures in the	e runway safety	Port Share Committed:	
MW NUM:	700970				Port Share	
RTP Related:					Forecasted: Private:	
Recent Study:					Other:	
Dort Stratagia Arası	0	ala and Dorlanda	- I - M - I - I	_	Unfunded:	\$19,404,000
Port Strategic Area:			s to Markets ioned Proj		<u> </u>	ψ13,404,000
RTP 2045 Constr			ed in STIP			
Project Name:	HIO Relo	ocate Charlie	<u>Patterr</u>	n Landing	<u>Site</u>	
Map ID:	42	Time Frame (\	(ears):	20 years	Total Cost:	\$535,000
Project Type:	Aviation				Year of Cost Estimate:	2018
Operation Area	Hillsboro				<u>Federal:</u>	
Project Description:	Construct a r	ew landing site for	helicopters	that use the	State:	
	Charlie llight	pattern at HIO.			<u>City:</u>	
_					SDC:	
Purpose:		eter training operati Ensitive residential z		oid operations	Port Share Committed:	
MW NUM:	101032				Port Share	
RTP Related:	101002				Forecasted:	
Recent Study:					Private:	
•					Other:	
Port Strategic Area:					<u>Unfunded:</u>	\$535,000
RTP 2045 Illustra			ioned Proj			
RTP 2045 Constr	ained	Identifi	ied in STIP			

Project Name: HIO Relocate Taxiway AA

Map ID:	43 Time Frame (Years): 20 years	Total Cost:	\$5,128,000
Project Type:	Aviation	Year of Cost Estimate:	2018
Operation Area	Hillsboro	Federal:	
Project Description:	Relocate Taxiway AA 122 feet to the east and extend from Exit A5 to Taxiway G.	State:	
		<u>City:</u>	
Durnoso:	Deploys sylicting Toyingy AA with a pour toying with the	SDC:	
ruipose.	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.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:		<u>Forecasted:</u> <u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$5,128,000
RTP 2045 Illustra	tive Conditioned Project		
RTP 2045 Constr	ained Identified in STIP		

Port of Portland 2019 Port Transportation Improvement Plan MARINE TERMINAL AND RIVERGATE AREA 18 COLUMBIA RIVER MOUTH 2019 PORT TRANSPORTATION IMPROVEMENT PLAN **3** 54 **10** MAP ID # A MARINE **Ħ** RAIL ROAD PRIORITY PED/BIKE ITS INTELLIGENT TRANS. SYSTEM NON-PRIORITY NAVIGATION CHANNEL 76 **12 3 9**, 10 WHI **∄63** ⊞ 55 **A** 52, 56 **∄49 A** 50 **VANCOUVER 1** 20 **∄ 48 ∄** 62 A 47 ⊞ 60 RIVERGATE **1** 19 **15, 16 ∄46 13** £ 53, 59, 61 **A** 51 **∄44 A** 17 **TS 14 3** 57, 58 **# 45** PORTLAND MAP: Data and Geographic Services Page 45

Project Name: Kenton Rail Line Upgrade

Map ID:	Time Frame (Years): 10 years	Total Cost:	\$25,382,000
Project Type:	Rail	Year of Cost	2003
Operation Area	Rivergate	Estimate:	2003
Project Description:	Upgrade existing track to second main track with new	<u>Federal:</u>	
	double track from Peninsula Junction to I-205 and increase track speeds between North Portland, Peninsula Junction,	State:	
	to Reynolds on UP's Kenton Line.	City:	
Purpose:	Expand rail capacity and reduce delays for greater	SDC:	
	efficiency.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$25,382,000
RTP 2045 Illustra			
RTP 2045 Constr	_		
Project Name:	Cathedral Park Quiet Zone		
Map ID:	Time Frame (Years): 5 years	Total Cost:	\$8,200,000
Project Type:	Rail	Year of Cost Estimate:	2007
Operation Area	Rivergate	<u>Estimate.</u> <u>Federal:</u>	2007
Project Description:	Address rail switching noise by improving multiple public	State:	
	rail crossings in the St. Johns Cathedral Park area.		
		<u>City:</u> SDC:	
Purpose:	To allow auto import operations to continue to grow in N. Portland and improve neighborhood livability.	Port Share	
	Totala and improve reignborhood invability.	Committed:	
MW NUM:		Port Share	
RTP Related:	10375	Forecasted:	
Recent Study:	Cathedral Park Whistle Free Zone Strategic Options,	Private:	
	Parametrix (2007)	<u>Other:</u> <u>Unfunded:</u>	ФО СОО ОСО
	Connect People and Businesses to Markets	<u>omanaea.</u>	\$8,200,000
✓ RTP 2045 Illustra			40,200,000

Project Name: North Portland Junction

Map ID:	Time Frame (Years): 10 years	Total Cost:	\$9,160,000
Project Type:	Rail	Year of Cost	2002
Operation Area	Rivergate	Estimate:	2003
Project Description:	Upgrade railroad with revised crossovers, centralized	<u>Federal:</u>	
	traffic control tie-in and increased turning radius.	State:	
		<u>City:</u>	
Purpose:	Accommodate higher rail speeds at the junction which	SDC:	
	provides greater capacity.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$9,160,000
RTP 2045 Illustra	ative Conditioned Project		
RTP 2045 Constr	rained Identified in STIP		
Project Name:	I-5 Columbia River Crossing		
roject name.	1-0 OOIUITIDIA HIVEI OTOSSIIIG		
Map ID:		Total Cost:	\$2,982,000,000
		Year of Cost	
Map ID:	Time Frame (Years): 10 years	Year of Cost Estimate:	\$2,982,000,000 2002
Map ID: Project Type: Operation Area	47 Time Frame (Years): 10 years Road Rivergate	Year of Cost Estimate: Federal:	
Map ID: Project Type: Operation Area	Time Frame (Years): 10 years Road	Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	47 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	47 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river. Increase multi-modal capacity across the Columbia River	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	47 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed:	
Map ID: Project Type: Operation Area Project Description:	A7 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river. Increase multi-modal capacity across the Columbia River and relieve congestion.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	A7 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river. Increase multi-modal capacity across the Columbia River and relieve congestion.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	A7 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river. Increase multi-modal capacity across the Columbia River and relieve congestion.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	A7 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river. Increase multi-modal capacity across the Columbia River and relieve congestion.	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	A7 Time Frame (Years): 10 years Road Rivergate Increase the number of lanes and add transit capacity across the river. Increase multi-modal capacity across the Columbia River and relieve congestion. 10893 I-5 Transportation and Trade Partnership Final Strategic Plan (2002) Connect People and Businesses to Markets	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2002

Project Name: West Hayden Island Rail Access

Map ID:	48 Time F	Frame (Years):	20 years	Total Cost:	\$3,000,000
Project Type:	Rail			Year of Cost Estimate:	
Operation Area	Rivergate			<u>Federal:</u>	
Project Description:	Rail access from the Island development.	mainline to support \	Vest Hayden	State:	
	'			City:	
D				SDC:	
Purpose:	Advance rail-depende	ent development.		Port Share Committed:	
MW NUM:				Port Share	
RTP Related:	11353			<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	West Hayden Island	Concept Plan 2012		Other:	
				Unfunded:	Ф2 000 000
Port Strategic Area:	_	_		<u>omunaea.</u>	\$3,000,000
RTP 2045 Illustra	_	☐ Conditioned Pro☐ Identified in STI	•		
Project Name:	West Hayden	Island Rail Ya	<u>ırd</u>		
Map ID:	49 Time F	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 co	onnected to facility tra	ackage.	<u>r ederal.</u> State:	
				<u>State:</u> <u>City:</u>	
Purpose:	Advance rail develop	ment on West Hayde	n Island.	SDC:	
				Port Share Committed:	
MW NUM:				Port Share	
RTP Related:	11354			<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	West Hayden Island	Concept Plan 2012		Other:	
Port Strategic Area:	Connect People and	Businesses to Marke			
✓ RTP 2045 Illustra	copie and	a.	ets	<u>Unfunded:</u>	\$9,500,000
TIF 2045 IIIuSii a	tive	Conditioned Pro		<u>Unfunded:</u>	\$9,500,000

Project Name: West Hayden Island Interior Access Road

Map ID:	Time 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 roadway including rail overpass and	<u>Federal:</u>	
	berth access.	State:	
		City:	
Purpose:	Provide roadway for new West Hayden Island terminal.	SDC:	
		Port Share Committed:	
MW NUM:		<u>Port Share</u> <u>Forecasted:</u>	
RTP Related:		<u>Private:</u>	
Recent Study:	West Hayden Island Concept Plan 2012	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$13,600,000
RTP 2045 Illustra			
RTP 2045 Constr	rained Identified in STIP		
Project Name:	St. Johns Pedestrian District 51 Time Frame (Years): 5 years	Total Cost:	#0.040.000
•	OI Time Frame (Years): 5 years Road	Year of Cost	\$3,346,000
Project Type:		Estimate:	2005
Operation Area	Rivergate	<u>Federal:</u>	\$3,002,365
Project Description:	Improvements could include restriping, curb extensions and other pedestrian and bicycle amenities on Lombard	<u>State:</u>	
	St. that do not impede truck movement, as well as intersection improvements and signalization.	<u>City:</u>	\$343,635
Purpose:	Maintain truck movement and minimize conflicts with	SDC:	
. ж.росо.	bicycles and pedestrians between Philadelphia Ave. an Lombard St. at Pier Park.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:	10182	<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	St. Johns Truck Strategy Report & Recommendation (2001)	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	
✓ RTP 2045 Illustra			
✓ RTP 2045 Constr	rained Identified in STIP		

Project Name: Marine Dr. Improvement Phase 2

Map ID:	Time Frame (Years): 20 years	Total Cost:	\$13,644,200
Project Type:	Road	Year of Cost	2003
Operation Area	Rivergate	Estimate:	2003
Project Description:	Construct rail overcrossing on Marine Dr.	<u>Federal:</u>	
	Ü	State:	
		<u>City:</u>	
Purpose:	Avoid road/rail conflict.	SDC:	
		Port Share Committed:	
MW NUM:		Port Share	
RTP Related:	10379	Forecasted: Private:	
Recent Study:		Other:	
Port Stratogic Area	Connect Deeple and Duningsees to Mediate	Unfunded:	\$13,644,200
RTP 2045 Illustra	Connect People and Businesses to Markets tive Conditioned Project		φ.ο,ο,_οο
RTP 2045 Constr			
Proiect Name:	Willamette River Channel Deepening		
•			
Map ID:	Time Frame (Years): 10 years	Total Cost:	\$200,000,000
Project Type:	Marine	Year of Cost	
Operation Area	Rivergate	Estimate:	
Proiect Description:	Deepen the portions of the Willamette River with deep draft	<u>Federal:</u>	
,	infrastructure to -43' where appropriate.	State:	
		<u>City:</u>	
Purpose:	To allow Willamette River terminals to benefit from the	SDC:	
	Columbia River's controlling depth. To follow maintenance to -40 feet.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:		Forecasted: Private:	
Recent Study:		Other:	
Doub Chuckasta Assa		Unfunded:	\$200,000,000
Port Strategic Area:	Connect People and Businesses to Markets	<u>omanaca.</u>	Ψ200,000,000
RTP 2045 Illustra			

Project Name: Lower Columbia River Channel Maintenance Plan

Map ID: 55 Time Frame (Years): 5 years Total Cost: \$3,325,000 Project Type: Road Year of Cost Estimate: 2018 Operation Area Rivergate Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: Port Share	Operation Area Rivergate Federal: Project Description: As a non-federal sponsor, assist the Army Corps to establish a plan to manage deposition of Columbia River dredge material from the navigation channel. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. SDC: Port Share Committed: MW NUM: Port Share Forecasted: RTP Related: Private: Recent Study: 2003 Feasibility Report Port Strategic Area: Connect People and Businesses to Markets RTP 2045 Illustrative Conditioned Project RTP 2045 Constrained Identified in STIP Project Name: T6 Transload Site Development Project Name: T6 Transload Site Development Project Type: Road Year of Cost Estimate: 2018 Project Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Forecasted: Port Share Forecasted: Private: RTP Related: 11307 Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets Unfunded: \$3,325,000	Map ID:	54	Time Frame (Ye	ars):	5 years	Total Cost:	\$1,500,000
Operation Area Rivergate Federal: Project Description: As a non-federal sponsor, assist the Army Corps to establish a plan to manage deposition of Columbia River dredge material from the navigation channel. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Port Share Committed: MW NUM: Port Share Forecasted: Private: RTP Related: Private: Recent Study: 2003 Feasibility Report Port Strategic Area: Connect People and Businesses to Markets Unfunded: \$1,500,000 RTP 2045 Illustrative Conditioned Project Identified in STIP Project Name: T6 Transload Site Development Map ID: 55 Time Frame (Years): 5 years Total Cost: \$3,325,000 Project Type: Road Year of Cost Estimate: 2018 Project Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: Port Share Port Share Port Share Committed: Port Share Committed: Port Share Port	Operation Area Rivergate Federal: Project Description: As a non-federal sponsor, assist the Army Corps to establish a plan to manage deposition of Columbia River dredge material from the navigation channel. City: Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Port Share Committed: MW NUM: Port Share Forecasted: Private: RECENT Study: 2003 Feasibility Report Port Strategic Area: Connect People and Businesses to Markets Project Name: To Transload Site Development Map ID: 55 Time Frame (Years): 5 years Project Type: Road Project Description: Rivergate Project Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. RTP Related: 11307 RTP Related: 11307 Port Strategic Area: Connect People and Businesses to Markets Private: Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets State: Committed: Private: Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets State: Stimate: Port Share Forecasted: Private: Recent Study: Suttle Road Improvement Options (2008)	Project Type:	Marine					
Project Description: As a non-federal sponsor, assist the Army Corps to establish a plan to manage deposition of Columbia River dredge material from the navigation channel. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Port Share Committed: Port Share Forecasted: Private: REP Related: Private: Recent Study: 2003 Feasibility Report Other: Port Strategic Area: Connect People and Businesses to Markets RTP 2045 Illustrative Conditioned Project RTP 2045 Constrained Identified in STIP Project Name: T6 Transload Site Development Map ID: 55 Time Frame (Years): 5 years Total Cost: \$3,325,000 Project Type: Road Year of Cost Estimate: 2018 Project Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: Port Share Committed: Conditional Port Share Committed: Committed: Conditional Port Share Committed: Committed: Conditional Port Share Committed: Conditional Port Share Committed: C	Project Description: As a non-federal sponsor, assist the Army Corps to establish a plan to manage deposition of Columbia River dredge material from the navigation channel. Purpose: Ensure there is sufficient dredged material disposal capacity for a minimum of 20 years. Port Share Committed; MW NUM: Port Share Forecasted: Private: RECENT Study: 2003 Feasibility Report Port Strategic Area: Connect People and Businesses to Markets Project Strategic Area: Connect People and Businesses to Markets Project Name: T6 Transload Site Development Project Type: Road Year of Cost Estimate; 2018 Project Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: MW NUM: Port Share Forecasted: Port Share Forecasted: Port Share Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets Sunfance: Sa, 3, 325, 000 State: Committed: Port Share Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets Sunfance: Sa, 3, 325, 000 State: Sa, 3, 325, 000 State: Committed: Port Share Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets Sunfance: Sa, 3, 325, 000	Operation Area	Rivergate					
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Project Name: T6 Transload Site Development Map ID: 55 Time Frame (Years): 5 years Total Cost: \$3,325,000 Project Type: Road Year of Cost Estimate: 2018 Operation Area Rivergate Federal: Project Description: Develop a 17 acre transload facility by creating a connection to Peninsula Terminal Railroad and a driveway under the Marine Drive bridge. Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: Port Share	Project Name: T6 Transload Site Development Map ID: 55							
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purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: Port Share	Purpose: Allow dual rail access to T6 and create additional industrial jobs. Port Share Committed: MW NUM: RTP Related: 11307 Recent Study: Suttle Road Improvement Options (2008) Private: Other: Port Share Forecasted: Private: Unfunded: \$3,325,000			J			014	
Port Share	MW NUM: RTP Related: 11307 Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets Port Strategic Area: Study: \$3,325,000	Purpose:	All					
Port Share	RTP Related: 11307 Recent Study: Suttle Road Improvement Options (2008) Port Strategic Area: Connect People and Businesses to Markets Forecasted: Private: Other: \$3,325,000			il access to T6 and cr	eate addi	iional industrial	SDC:	
IVI VV INCIVI.	RTP Related: 11307 Recent Study: Suttle Road Improvement Options (2008) Other: Port Strategic Area: Connect People and Businesses to Markets Unfunded: \$3,325,000			il access to T6 and cr	reate addi	iional industrial	<u>SDC:</u> Port Share	
DTD Polotody 11007	Recent Study: Suttle Road Improvement Options (2008) Other: Port Strategic Area: Connect People and Businesses to Markets Unfunded: \$3,325,000	MW NUM:		il access to T6 and cr	reate addi	ional industrial	SDC: Port Share Committed: Port Share	
Percent Study O His Postling and Oding (2000)	Port Strategic Area: Connect People and Businesses to Markets Unfunded: \$3,325,000		jobs.	il access to T6 and cr	reate addi	ional industrial	SDC: Port Share Committed: Port Share Forecasted:	
116	Contract Connect People and Dusinesses to Markets	RTP Related:	jobs. 11307			ional industrial	SDC: Port Share Committed: Port Share Forecasted: Private:	
Total deglo Area. Connect reopie and businesses to ividances	✓ RTP 2045 Illustrative	RTP Related: Recent Study:	jobs. 11307 Suttle Road I	mprovement Options	(2008)		SDC: Port Share Committed: Port Share Forecasted: Private: Other:	\$3,325,000
DTD 2045 Illustrative Canditionad Project	✓ RTP 2045 Illustrative	RTP Related: Recent Study: Port Strategic Area:	jobs. 11307 Suttle Road I Connect Pec	mprovement Options	(2008) o Markets		SDC: Port Share Committed: Port Share Forecasted: Private: Other:	\$3,325,000

Project Name: T6 Internal Roadway

Map ID:	56 T	ime Fram	e (Years	s):	10 y	ears	Total Cost:	\$6,100,000
Project Type:	Marine						Year of Cost Estimate:	2018
Operation Area	Rivergate						<u>Federal:</u>	20.0
Project Description:		connection b	etween Sutt	tle Ro	ad Si	te and T6	State:	
	main yard.						<u>City:</u>	
							SDC:	
Purpose:	This will conne development		Γ6 yard to th	ne Sut	ttle Ro	oad	Port Share	
							<u>Committed:</u> <u>Port Share</u>	
MW NUM:							Forecasted:	
RTP Related:							Private:	
Recent Study:							Other:	
Port Strategic Area:	Connect Peop	ole and Busin	esses to Ma	arkets	3		<u>Unfunded:</u>	\$6,100,000
RTP 2045 Illustra	tive	☐ Co	nditioned	Proje	ect			
RTP 2045 Constr	ained	lde	entified in S	STIP				
Draiget Name					1	_		
Project Name:	T4 B416	Lay Bertr	<u>ı improv</u>	vem	<u>ient</u>	<u>:S</u>		
Project Name: Map ID:		ime Fram				<u>'S</u> vears	Total Cost:	\$1,000,000
							Year of Cost	
Map ID:	57 T						Year of Cost Estimate:	\$1,000,000 2015
Map ID: Project Type: Operation Area	57 T Marine Rivergate	ime Fram	e (Years	s):	5 y	ears/	Year of Cost Estimate: Federal:	
Map ID: Project Type:	57 T Marine Rivergate	ill design, per grades neces	e (Years	s): stall ele	5 y	vears	Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	57 T Marine Rivergate This project wequipment up	ill design, per grades neces	e (Years	s): stall ele	5 y	vears	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	57 T Marine Rivergate This project wequipment upberth at B416. The project is	ill design, per grades neces	rmit and insissary to allo	stall ele ow ves	5 y ectric ssels	vears al to lay n at Berth	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	57 T Marine Rivergate This project w equipment up berth at B416.	ill design, per grades neces needed to all nelp the Port i	rmit and insissary to allow vessels retain and g	stall ele ow ves to lay grow k	5 y ectric ssels	rears al to lay n at Berth ervices	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	Marine Rivergate This project wequipment upberth at B416. The project is 416. This will hand to be a le	ill design, per grades neces needed to all nelp the Port i	rmit and insissary to allow vessels retain and g	stall ele ow ves to lay grow k	5 y ectric ssels	rears al to lay n at Berth ervices	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 project wequipment upberth at B416. The project is 416. This will hand to be a le	ill design, per grades neces needed to all nelp the Port i	rmit and insissary to allow vessels retain and g	stall ele ow ves to lay grow k	5 y ectric ssels	rears al to lay n at Berth ervices	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM:	Marine Rivergate This project wequipment upberth at B416. The project is 416. This will hand to be a le	ill design, per grades neces needed to all nelp the Port i	rmit and insissary to allow vessels retain and g	stall ele ow ves to lay grow k	5 y ectric ssels	rears al to lay n at Berth ervices	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	Marine Rivergate This project we equipment up berth at B416. The project is 416. This will hand to be a le	ill design, per grades neces needed to all nelp the Port r ader in transp	rmit and insignary to allow vessels retain and goortation infin	to lay grow k	5 y ectric ssels:	rears al to lay n at Berth ervices	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	Marine Rivergate This project we equipment upberth at B416. The project is 416. This will hand to be a le 700348 Connect Peop	ill design, per grades neces needed to all nelp the Port rader in transpose of the contract of	rmit and insignary to allow vessels retain and goortation infin	tall ele to lay to lay grow k rastrud	5 y ectric ectric essels v bertit	rears al to lay n at Berth ervices	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2015

Project Name: Terminal 4 Automobile Yard Expansion

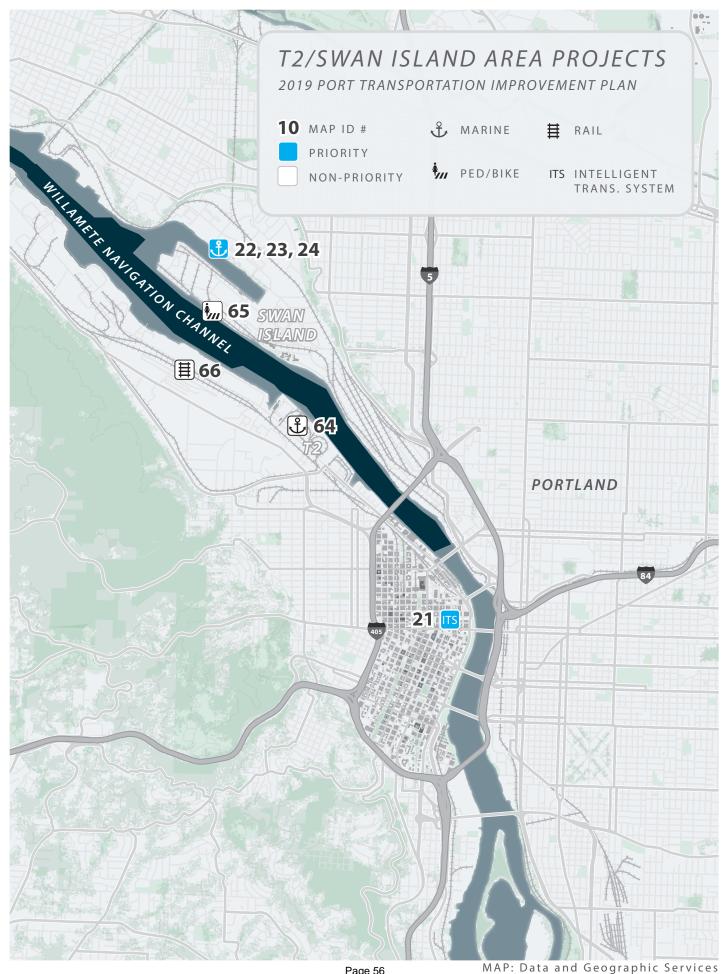
Map ID:	58 T	ime Fran	ne (Years)	s):	10 y	ears	Total Cost:	\$3,000,000
Project Type:	Marine						Year of Cost Estimate:	
Operation Area	Rivergate						<u>Federal:</u>	
Project Description:	Design and co	onstruct six a e storage of i	acres of poro imported aut	ous pa tomob	aveme oiles.	ent	State:	
							<u>City:</u>	
Purnose:	The project wi	II provido ad	lditional land	l to m	oot a	ıto	SDC:	
i dipose.	storage capac automobile im	ity needs of	Toyota, supp				Port Share Committed:	
MW NUM:							Port Share	
RTP Related:							Forecasted:	
Recent Study:							Private:	
-							Other:	** ***
Port Strategic Area:							<u>Unfunded:</u>	\$3,000,000
RTP 2045 Illustra		_	onditioned	-	ect			
☐ RTP 2045 Constr	amed	10	lentified in S	SHP				
Project Name:	TA Day D.	ılk Evpo	ncion					
rojest Hame.	14 DIY BI	ик схра	<u>.1151011</u>					
Map ID:			ne (Years)	s):	5 y	ears	Total Cost:	\$200,000,000
				s):	5 y	rears	Year of Cost	
Map ID:	59 т			s):	5 y	rears	Year of Cost Estimate:	\$200,000,000 2018
Map ID: Project Type: Operation Area	59 T Marine Rivergate	ïme Fran	ne (Years)				Year of Cost Estimate: Federal:	
Map ID: Project Type:	59 T Marine Rivergate	ime Fran	ne (Years)				Year of Cost Estimate: Federal: State:	
Map ID: Project Type: Operation Area	59 T Marine Rivergate Provide additi	ime Fran	ne (Years)				Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	59 T Marine Rivergate Provide additi	ime Fran onal loader, dumper pit.	ne (Years) storage, and	d rail c	capac	ity with	Year of Cost Estimate: Federal: State: City: SDC:	
Map ID: Project Type: Operation Area Project Description:	59 T Marine Rivergate Provide additinew yard and	ime Fran onal loader, dumper pit.	ne (Years) storage, and	d rail c	capac	ity with	Year of Cost Estimate: Federal: State: City:	
Map ID: Project Type: Operation Area Project Description:	59 T Marine Rivergate Provide additinew yard and	ime Fran onal loader, dumper pit.	ne (Years) storage, and	d rail c	capac	ity with	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share	
Map ID: Project Type: Operation Area Project Description: Purpose:	59 T Marine Rivergate Provide additinew yard and	ime Fran onal loader, dumper pit.	ne (Years) storage, and	d rail c	capac	ity with	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM:	59 T Marine Rivergate Provide additinew yard and	ime Fran onal loader, dumper pit.	ne (Years) storage, and	d rail c	capac	ity with	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related: Recent Study:	59 T Marine Rivergate Provide additinew yard and The project wi	ime Fran	ne (Years) storage, and	d rail c	capac	ity with	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private: Other:	2018
Map ID: Project Type: Operation Area Project Description: Purpose: MW NUM: RTP Related:	59 T Marine Rivergate Provide additinew yard and The project wi	ime Fran	ne (Years) storage, and	d rail c	at Ter	ity with	Year of Cost Estimate: Federal: State: City: SDC: Port Share Committed: Port Share Forecasted: Private:	

Project Name: BNSF Fallbridge Double Tracking

Map ID:	60 Tim	e Frame	(Years):	10	years	<u>Total Cost:</u>	\$72,000,000
Project Type:	Rail					Year of Cost Estimate:	
Operation Area	Rivergate					<u>Federal:</u>	
Project Description:	Double-track the F	allbridge lir	ne to Washou	ugal.		State:	
						City:	
Dumaga		(II DN	a=			SDC:	
ruipose.	Increases capacity Port of Portland.	or the Bina	SF east-west	main	line serving	Port Share Committed:	
MW NUM:						Port Share	
RTP Related:						<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	Port Rail Plan					Other:	
Doub Obvotonia Avana						Unfunded:	\$72,000,000
Port Strategic Area:						<u>omanaca.</u>	\$72,000,000
RTP 2045 Illustra			ditioned Pro tified in STI	•			
Project Name:						Total Ocah	
Map ID:	61 Tim	e Frame	(Years):	10	years	Total Cost:	
Project Type:	Marine					Year of Cost Estimate:	2012
Operation Area	Rivergate					<u>Federal:</u>	
Project Description:	Deepen berths at vessels to transit t	Terminals 2 he planned	and 4 to allo	ow de nnel. 1	eper draft Fied to	State:	
	Willamette River C					<u>City:</u>	
Purpose:	Allow better utiliza	tion of Pana	amav-class h	ville ve	accalc	SDC:	
. ш. росс.	7 HOW BOTTON GITTE	non or r unc	arriax oldos b	ount ve		Port Share Committed:	
MW NUM:	101999					Port Share	
RTP Related:						Forecasted: Private:	
Recent Study:						Other:	
Port Strategic Area:	Connect People a	nd Busines	ses to Marke	ets		<u>Unfunded:</u>	
RTP 2045 Illustra	·		ditioned Pro				
RTP 2045 Constr	rained	_	tified in STI	•			

Project Name: Bonneville Rail Yard Build Out Map ID: 62 Time Frame (Years): 10 years **Total Cost:** \$3,600,000 **Year of Cost** Project Type: Rail 2013 **Estimate: Operation Area** Rivergate Federal: Project Description: Construct two interior yard tracks and complete the double State: track lead from the wye at the east end of the yard to Barnes Yard. City: SDC: Purpose: Add rail staging capacity for South Rivergate. Port Share **Committed:** Port Share MW NUM: **Forecasted:** RTP Related: 11652 **Private:** Recent Study: Port Rail Plan Other: **Unfunded:** \$3,600,000 Port Strategic Area: Connect People and Businesses to Markets **✓** RTP 2045 Illustrative ☐ Conditioned Project **✓** RTP 2045 Constrained Identified in STIP Project Name: Ramsey Yard Utilization Pro

	•				
Map ID:	: 63 T in	me Frame (Years):	10 years	Total Cost:	\$1,700,000
Project Type:	Rail			Year of Cost Estimate:	2013
Operation Area	Rivergate			<u>Federal:</u>	2010
Project Description:	Connect existing	g set out track with indust	rial lead.	State:	
				<u>City:</u>	
Purpose	Improve unit trai	in staging capabilities at f	Ramsev Rail Yard	SDC:	
poso.	- Improve and dan	in olaging capabilities at t	tarrioty riair raid.	Port Share Committed:	
MW NUM:	:			Port Share Forecasted:	
RTP Related:	11653			Private:	
Recent Study:	Port Rail Plan			Other:	
Port Strategic Area	Connect People	e and Businesses to Mark	ets	<u>Unfunded:</u>	\$1,700,000
✓ RTP 2045 Illustra	ative	☐ Conditioned Pr	oject		
✓ RTP 2045 Const	trained	Identified in ST	IP		

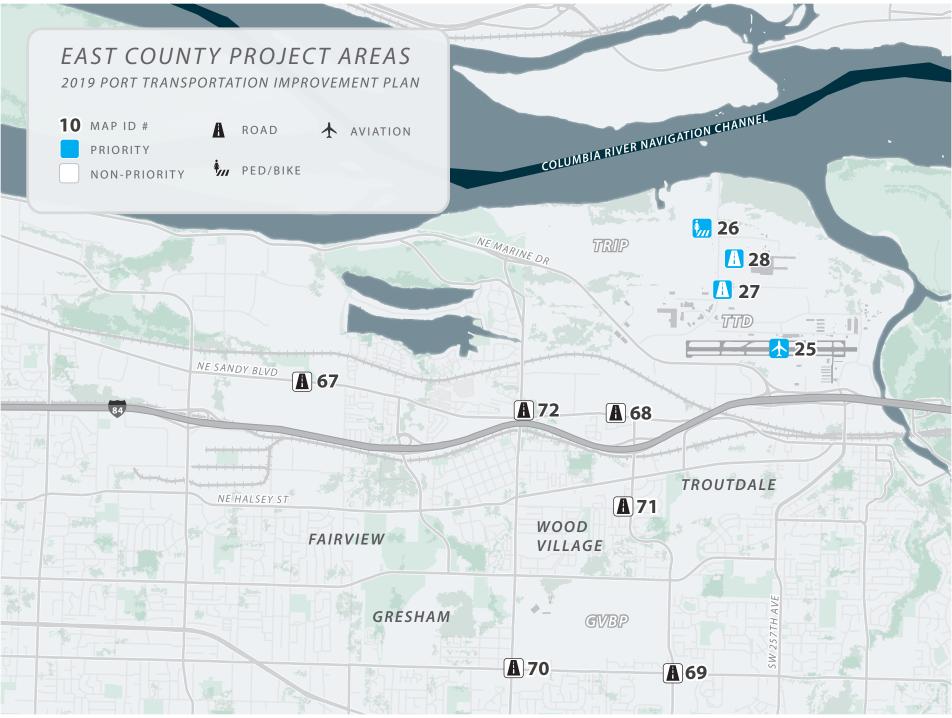


Project Name: T2 Bulk Terminal

Project Type: Marine
Operation Area T2/Swan Island Federal: Project Description: Storage, rail receiving, vessel loadout, and conveyance. Purpose: Capture small lot bulk opportunity. Port Share Committed: MW NUM: RTP Related: Recent Study: Port Strategic Area: Connect People and Businesses to Markets RTP 2045 Illustrative Conditioned Project RTP 2045 Constrained Identified in STIP Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money appropriet for the project in fer as to the Steel Bridge along the Willamette River. The money appropriet for the project in fer as to the steel project in fer as to the ste
Project Description: Storage, rail receiving, vessel loadout, and conveyance. Purpose: Capture small lot bulk opportunity. Purpose: Capture small lot bulk opportunity. Port Share Committed: Port Share Forecasted: RTP Related: Recent Study: Other: Port Strategic Area: Connect People and Businesses to Markets Private: RTP 2045 Illustrative Conditioned Project RTP 2045 Constrained Identified in STIP Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area Tz/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money appropriet for this project is fore a but by only appropriet of the project is fore a but by only appropriet of the project is fore a but by only appropriet is fore a but
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Purpose: Capture small lot bulk opportunity. Port Share Committed: MW NUM: RTP Related: Recent Study: Port Strategic Area: Connect People and Businesses to Markets Private: RTP 2045 Illustrative Conditioned Project RTP 2045 Constrained Identified in STIP Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the State: specied of the project of the project for project of the project of
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Recent Study: Port Strategic Area: Connect People and Businesses to Markets RTP 2045 Illustrative RTP 2045 Constrained RTP 2045 Illustrative RTP 2045 Constrained RTP 2045 Constrained RTP 2045 Illustrative RTP 2045 Constrained RTP 2045 Constrained RTP 2045 Illustrative RTP 2045 Constrained RTP 2045 Constrained RTP 2045 Constrained RTP 2045 Constrained RTP 2045 Illustrative RTP 2045
Port Strategic Area: Connect People and Businesses to Markets RTP 2045 Illustrative RTP 2045 Constrained Identified in STIP Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Project Type: Bike/Ped Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money appointed for this project in for a study only
RTP 2045 Illustrative Conditioned Project RTP 2045 Constrained Identified in STIP Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money appealed for this project is for a cturby colby.
RTP 2045 Constrained Identified in STIP Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money appropriated for this project is for a study only
Project Name: North Willamette Greenway Trail Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money approinted for this project is for a ctucky only.
Map ID: 65 Time Frame (Years): 20 years Total Cost: \$500,000 Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money approinted for this project is for a study only
Project Type: Bike/Ped Year of Cost Estimate: 2007 Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money appropriated for this project is for a study only
Operation Area T2/Swan Island Federal: Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money
Operation Area T2/Swan Island Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money
Project Description: Pedestrian and bicycle trail from Kelly Point Park to the Steel Bridge along the Willamette River. The money
according to this project is far a study only
SDC:
Purpose: Improve pedestrian and bicycle connectivity in North Portland. Coordinate implementation with the City of Port Share
Portland. Committed:
MW NUM: Port Share
RTP Related: 11643 Private:
Recent Study: Other:
U.A d. d
Contract Con
✓ RTP 2045 Illustrative

Project Name: Portland Terminal Railroad Power Switches

Map ID:	66 Time Frame (Years): 5 years	Total Cost:	\$10,805,000
Project Type:	Rail	Year of Cost Estimate:	
Operation Area	T2/Swan Island	Federal:	
Project Description:	Install Dispatcher Controlled Power Switches between Lake Yard and Terminal 2.	State:	
		<u>City:</u>	
Purpose:	Will reduce time it takes for trains to travel from Lake Yard	SDC:	
i dipossi	to Terminal 2, reducing blockage of mainline.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:	Port Rail Plan	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$10,805,000
RTP 2045 Illustra	tive Conditioned Project		
RTP 2045 Constr	ained Identified in STIP		



Project Name: Sandy Blvd. Widening to 4 lanes

Map ID:	Time Frame (Years): 10 years	Total Cost:	\$10,000,000
Project Type:	Road	Year of Cost	
Operation Area	East County	<u>Estimate:</u> <u>Federal:</u>	
Project Description:	Sandy Blvd. widen to 4 lanes and center turn lane (181st-	<u>rederal.</u> State:	
	202nd) with sidewalks and bike lanes.	<u>State.</u> <u>City:</u>	
		SDC:	
Purpose:	Improve east west capacity and serve developing industrial property.	· · · · · · · · · · · · · · · · · · ·	
	iliousinai property.	Port Share Committed:	
MW NUM:		Port Share Forecasted:	
RTP Related:	10443	<u>Private:</u>	
Recent Study:		Other:	
Port Strategic Area	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$10,000,000
✓ RTP 2045 Illustra			
✓ RTP 2045 Constr	,		
Project Name:	Sandy Blvd. Widening to 3 lanes		
Map ID:	Time Frame (Years): 10 years	Total Cost:	\$7,438,000
Project Type:	Road	Year of Cost Estimate:	
Operation Area	East County	<u>Federal:</u>	
Project Description:	Sandy Blvd. widen to 3 lanes (207th to 238th), add sidewalks and bike lanes.	State:	
		<u>City:</u>	
Purpose:	Improve east-west capacity and serve adjacent	SDC:	
. 4.,6000.	developing industrial property.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:	10399	Forecasted: Private:	
Recent Study:		Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$7,438,000
✓ RTP 2045 Illustra	_	_	
✓ RTP 2045 Constr	_		

Project Name: NE Hogan at NE Stark Street

Map ID:	Time Frame (Years): 5 years	<u>Total Cost:</u>	\$1,908,431
Project Type:	Road	Year of Cost Estimate:	2017
Operation Area	East County	Federal:	
Project Description:	Add right turn lanes on all approaches and second northbound and southbound left turn lanes.	State:	
		<u>City:</u>	
_		SDC:	
Purpose:	Address intersection capacity affecting access to Gresham Vista Business Park.	Port Share Committed:	
		Port Share	
MW NUM:		Forecasted:	
RTP Related:		Private:	
Recent Study:	East Metro Connections Plan	Other:	
Port Strategic Area:	Connect People and Businesses to Markets	<u>Unfunded:</u>	\$1,908,431
✓ RTP 2045 Illustra			
✓ RTP 2045 Const	rained Identified in STIP		
	NE 223rd at Stark	Tatal Coats	
Map ID:	70 Time Frame (Years): 5 years	Total Cost:	\$1,196,756
Project Type:	Road	Year of Cost Estimate:	2017
Operation Area	East County	<u>Federal:</u>	
Project Description:	Add eastbound and northbound right turn lanes and southbound left turn lanes.	State:	
		<u>City:</u>	
D		SDC:	
Purpose:	Address intersection capacity affecting access to Gresham Vista Business Park.	Port Share	
		Committed:	
MW NUM:		Port Share	
RTP Related:	10473	<u>Forecasted:</u> <u>Private:</u>	
Recent Study:	East Metro Connections Plan	Other:	
David Chuatania Aver-	_, _ , , , , , , , , , , , , , , , , ,	<u>Unfunded:</u>	\$1,196,756
Port Strategic Area:		<u>omanaca.</u>	ψ1,190,730
✓ RTP 2045 Illustra ✓ RTP 2045 Const			

Project Name: NE 238th Drive: Halsey to Glisan

Map ID:	/1 Time Frame (Years): 5 years	Total Cost:	\$9,769,340
Project Type:	Road	Year of Cost Estimate:	2017
Operation Area	East County	<u>Federal:</u>	\$9,769,340
Project Description:	Construct improvements for freight by modifying road curvature. Also adds improvements for bikes and	State:	¥-,·,- ·-
	pedestrians.	<u>City:</u>	
Dumage	Melli College	SDC:	
ruipose.	Will improve freight access to Gresham Vista Business Park.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:	11070	Forecasted:	
		<u>Private:</u>	
Recent Study:	East Metro Connections Plan	<u>Other:</u>	
Port Strategic Area:	Drive Regional Prosperity	<u>Unfunded:</u>	
✓ RTP 2045 Illustra	tive Conditioned Project		
✓ RTP 2045 Consti	ained Identified in STIP		
	223rd Avenue Widening		
Map ID:	72 Time Frame (Years): 5 years	Total Cost:	\$4,437,809
Project Type:	Road	Year of Cost Estimate:	2017
Operation Area		<u>Federal:</u>	
Project Description:	Widen to three lanes between Halsey St and Marine Drive.	State:	
		<u>City:</u>	
Purnose:	Upgrade the facility to major collector urban street	SDC:	
. ш.росо.	standards.	Port Share Committed:	
MW NUM:		Port Share	
RTP Related:			
man de la companya de	10388, 10389	Forecasted:	
	10388, 10389	Private:	
Recent Study:		Private: Other:	
Recent Study: Port Strategic Area:	Connect People and Businesses to Markets	Private:	\$4,437,809
Recent Study:	Connect People and Businesses to Markets Conditioned Project	Private: Other:	\$4,437,809