# **2011 PORT TRANSPORTATION IMPROVEMENT PLAN**

FINAL 1/12/2011



### Acknowledgments

Port Transportation Improvement Plan Team

Bill Allen Tom Bouillion Patrick Christopher Chris Corich Sebastian Degens Rick Finn Lise Glancy Vince Granato Phil Healy Sugie Joseph Scott King Susie Lahsene Robin McCaffrey Annette Price Rob Schultz Chris White Kathryn Williams

## TABLE OF CONTENTS

Introduction 2
Goal and Objectives 3
Assumptions 4
Project Funding
Port Priority Projects
Cost Estimate Rating 11
Project List 12
Priority Project Map 28
Priority Project Reports 29
Hillsboro Area Map58
Hillsboro Project Reports 59
PDX/PIC Area Map 60
PDX/PIC Project Reports 61
Marine Terminal and Rivergate Area Map
Marine Terminal and Rivergate Area Project Reports
Troutdale Area Map79
Troutdale Area Project Reports 80
T2/Swan Island Area Map82
T2/Swan Island Area Project Reports 83

## 

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

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

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

Several recent studies have substantiated the importance of investing in the transportation system and linked those investments to the region's and state's economic health. The Cost of Congestion to the Economy of the Portland Region (March, 2007), sponsored by a consortium of public agencies and private businesses, confirms the transportation dependency of the region's economy and affirms that the region's competitiveness is largely dependent upon its role as a gateway and distribution center. The study determined that improvements in the transportation system produce a 2:1 return for the economy.

The *Commodity Flow Forecast Update (2006)* produced by DRI/WEFA predicts a doubling of freight volume moving throughout the region in 30 years. This kind of growth will dramatically impact Port facilities and will require significant investments

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

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

to ensure access to them. The magnitude of regional transportation access investments and their financing are addressed through Metro's Regional Transportation Plan (RTP), Metro's Transportation Improvement Program (MTIP) and the State Transportation Improvement Plan (STIP). Access needs critical to Port facilities are reflected in the Port Transportation Improvement Plan (PTIP).

## **GOAL AND OBJECTIVES**

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

## Goal:

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

## **Objectives:**

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

## ASSUMPTIONS

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

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

## PROJECT FUNDING

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

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

## **4** PORT PRIORITY PROJECTS

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

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

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

High Priority Projects Involving Other Funding Sources <sup>1</sup>	Project Cost <sup>2</sup>	Map ID #
I-205 Interchange Improvement (NB On- Ramp)	\$27,200,000	2
82 <sup>nd</sup> Ave. SB Ramp/Columbia Blvd.	\$2,000,000	3
Cathedral Park Quiet Zone	\$8,200,000	11
Troutdale Interchange (Exit 17) Improvements	\$32,200,000	27
Sundial Road Improvements	\$3,200,000	29
Swigert Way Extension	\$2,500,000	42
Graham Rd. Phase 1&2	\$13,500,000	43,44
Notes: 1. Projects are not listed in order of priority.		

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

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

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

Priority Projects Involving Other Funding Sources <sup>1</sup>	Project Cost <sup>2</sup>	Map ID #
Columbia Blvd., Lombard St. Improvements at MLK	\$2,228,910 <sup>3,6</sup>	1
I-205 Interchange Improvement (NB On- Ramp)	\$27,200,000 <sup>6</sup>	2
82 <sup>nd</sup> Ave. SB Ramp/Columbia Blvd.	\$2,000,000 <sup>7</sup>	3
Alderwood and Cully Intersections @ Columbia Blvd.	\$11,000,000 <sup>5</sup>	4
I-5 Columbia Blvd. Improvement	\$57,773,032 <sup>6</sup>	5
Columbia Blvd./I-205 SB On Ramp Improvement	\$11,200,000 <sup>5</sup>	6
Barnes to Terminal 4 Rail	\$3,000,000 <sup>6</sup>	10
Cathedral Park Quiet Zone	\$8,200,000 <sup>5</sup>	11
Kenton Rail Line Upgrade	\$25,382,000 <sup>4,5</sup>	12
Barnes Yard to Bonneville Yard Trackage	\$11,912,000 <sup>4,7</sup>	16
Marine Dr. Improvement Phase 2	\$13,644,200 <sup>5</sup>	22
40 Mile Loop Trail: Blue Lake Park to Sundial Rd.	\$2,322,421 <sup>7</sup>	26
Troutdale Interchange (Exit 17) Improvements	\$32,200,000 <sup>6</sup>	27
223 <sup>rd</sup> Ave. Widening	\$3,667,000 <sup>5</sup>	28
Sundial Road Improvements	\$3,200,000 <sup>5</sup>	29
Swigert Way Extension	\$2,500,000 <sup>5</sup>	42
Regional Rail Master Plan	\$200,000 <sup>7</sup>	45
Intelligent Transportation System (ITS) Improvements	\$4,245,000 <sup>5</sup>	7,20,30
Graham Rd. Phase 1&2	\$13,500,000 <sup>5</sup>	43,44

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

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

3. Costs for reconnaissance only.

4. Project cost shown is per I-5 Rail Capacity Study (2003), not per independent Port estimate.

5. Not yet funded.

6. Partially funded.

7. Funded.

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

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

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

Port Priority Marine Terminal Capital	Project	Map ID#
Projects Involving Other Funding Sources <sup>1</sup>	Cost <sup>2</sup>	
Terminal 4 Automobile Yard Expansion	\$3,000,000 <sup>3</sup>	8
Terminal 6 Container Crane Modernization	\$3,634,260 <sup>4</sup>	9
Terminal 2 Crane Upgrade	\$2,680,000 <sup>3</sup>	23
Auto Import Storage Expansion	\$2,550,000 <sup>3</sup>	24
Terminal 4 Rail Upgrades	\$1,308,854 <sup>4</sup>	25
Terminal 2 Rail Improvements	\$1,750,000 <sup>3</sup>	31
Terminal 6 Stormwater Improvements	\$6,500,000 <sup>3</sup>	37
Terminal 4 Grain Elevator Demolition	\$7,300,000 <sup>3</sup>	38
Terminal 4 Pier 1 Site Preparation	\$6,906,000 <sup>3</sup>	39
Berth Deepening: Berth 401	\$3,000,000 <sup>3</sup>	41
Notes: 1. Projects are not listed in order of priority.		

Projects are not listed in order of priority.
Refer to Priority Reports for funding break-out.
Not yet funded.
Funded

Priority Aviation Capital Projects Involving	Project	Map #
Other Funding Sources		-
PDX ITS – AVI Technology	\$3,765,000°	1
Pre-Conditioned Air for 35 Gates	\$7,000,000 <sup>4</sup>	34
TTD Site Development for New Hangar Development	\$1,000,000 <sup>3</sup>	35
South Runway Rehabilitation	\$85,000,000 <sup>3</sup>	46
Upper Deck Cargo Loader	\$750,000 <sup>3</sup>	47
HIO Runway 12-30 Threshold Rehabilitation	\$1,600,000 <sup>4</sup>	48
TTD Reconstruct Runway 7-25	\$9,100,000 <sup>3</sup>	49
HIO Wash Racks	\$551,250 <sup>3</sup>	50
TTD Rehabilitate Taxiway A	\$5,000,000 <sup>3</sup>	51
HIO Relocate Charlie Pattern Landing Site	\$1,325,000 <sup>3</sup>	52
HIO Construct East Access Road	\$1,886,560 <sup>3</sup>	53
HIO Reconstruct Runway 2/20, Construct Taxiway	\$15.391.050 <sup>3</sup>	54
Extension	¢:0,00:,000	•
HIO Relocate Taxiway AA	\$4,700,000 <sup>3</sup>	55
HIO Relocate Taxiway C	\$15,391,050 <sup>3</sup>	56
HIO Taxiway to NW Corporate Center	\$1,050,000 <sup>3</sup>	57
HIO Construct Runway 12L/30R	\$6,455,000 <sup>3</sup>	58

Notes: 1. Projects are not listed in order of priority. 2. Refer to Priority Reports for funding break-out. 3. Not yet funded. 4. Partially funded .

Port of Portland Projects Currently Under Construction	Project Cost <sup>1</sup>	Map #
Terminal 4 Pipeline Infrastructure	\$4,640,000	13
Berth Deepening: Berths 501, and 503	\$3,212,500	14
Leadbetter St. Extension/Overcrossing	\$11,323,500	15
SRG Rail Yard Expansion	\$12,509,000	17
Ramsey Rail Yard Improvements	\$13,900,000	18
Widen Lombard Purdy to Simmons	\$3,610,000	19
Channel Deepening	\$150,573,000	21
T-6 Berth 604-605 Modernization	\$7,035,000	32
Dredge Oregon Repower	\$16,500,000	40

Notes: 1. Refer to Priority Reports for funding break-out. All projects under construction are currently adequately funded.

## **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

### Time Frame:

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

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

## Port Strategic Plan Alignment

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

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

- Provide leadership around regional transportation infrastructure
- Retain and grow key services (Aviation and Marine)
- Be a regional leader in industrial land acquisition and development

- Implement a Portwide environmental strategy that supports the Port's requirements, generates savings and maintains/builds regional credibility as an environmental steward
- Build a sustainable financial model
- Strengthen the Port's culture as a strategic asset

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

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

## Cost Estimate Rating

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

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

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

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
1	Columbia Blvd./Lombard St. Improvements at MLK	Improve freight movement between Columbia Blvd. and Lombard St.	Improve connectivity and better distribute freight traffic between Columbia Blvd. and Lombard St.	5	\$2,228,910		Priority Map
2	I-205 Interchange - NB On- Ramp at Airport Way	New I-205 NB on-ramp and/or other improvements at I-205/Airport Way interchange.	Provide additional capacity for anticipated growth in area traffic.	5	\$18,000,000	~	Priority Map
3	82nd Ave. SB Ramp/Columbia Blvd.	Construct additional WB through lane. Add a new turn lane. Signalize.	Mitigate PDX Growth Impacts.	5	\$2,000,000	~	Priority Map
4	Alderwood and Cully Intersections @ Columbia Blvd.	Widen and signalize intersection at Alderwood Rd. and Columbia Blvd.	Provide transportation link to the cargo area located within the south airport area and to support Columbia Corridor freight movement.	5	\$11,000,000		Priority Map
5	I-5/Columbia Blvd. Improvement	Construct a full interchange at Columbia Blvd. or the functional equivalent. Includes two projects Delta Park Phase II and Argyle on the Hill.	Improve connections between Columbia Blvd. and I- S for trucks.	10	\$57,773,032		Priority Map
6	Columbia Blvd./I-205 SB On Ramp Improvement	Expand the on-ramp to three lanes, including for truck/HOV.	Increase the capacity of the I- 205 SB on-ramp at Columbia Blvd.	5	\$11,200,000		Priority Map
7	PDX ITS - AVI Technology	Automated Vehicle Identification Technology	Improve automated vehicle identification system at PDX.	5	\$3,765,000		Priority Map

## PTIP MASTER PROJECT LIST

-

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Агеа Мар
8	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 busineer	10	\$3,000,000		Priority Map
			line.				
9	Terminal 6 Container Crane Modernizations	The project will increase operating efficiencies and improve safety on Cranes 6373, 6374, 6375, and 6379.	The project will increase the reliability of cargo handling equipment, and provide more reliable service to customers	5	\$3,634,260	•	Priority Map
10	Barnes to Terminal 4 Rail	Provide a new track from Barnes Yard to Terminal 4.	Improve rail access to Terminal 4.	5	\$3,000,000	~	Priority Map
11	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	•	Priority Map
12	Kenton Rail Line Upgrade	Upgrade existing track to second main track with new double track from Peninsula Junction to I-205 and increase track speeds between North Portland, Peninsula Junction, to Reynolds on UP's Kenton Line. Part of triangle project with ODOT.	Expand rail capacity and reduce delays for greater efficiency.	10	\$25,382,000	✓	Priority Map
13	Terminal 4 Pipeline Infrastructure	Design and build a new common user pipeline system.	Develop a new pipeline system to serve as many as four potential liquid bulk tenants over Berth 401.	5	\$4,640,000	•	Priority Map

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Агеа Мар
14	Berth Deepening: Berth 501 and 503	Deepen berths at Terminals 5 to allow deeper draft vessels to transit the planned 43 foot channel.	Allow better utilization of panamax-class bulk vessels.	5	\$3,212,500	•	Priority Map
15	Leadbetter St. Extension/Overcrossing	Complete Leadbetter St. loop to Marine Dr. (Pacific Gateway/Terminal 6 intersection) including a road bridge over rail line.	Provide access to developing properties and eliminate rail/auto conflict at future intersection.	5	\$11,323,500		Priority Map
16	Barnes Yard to Bonneville Yard Trackage	Construct additional unit train trackage (approximately 16,000 linear feet) between Bonneville and Barnes rail yards.	Address limited Rivergate staging area for unit trains approaching or departing the marine terminals. Reduce switching bottlenecks, limits to terminal access and other operational conflicts in the Columbia Corridor.	5	\$11,912,000		Priority Map
17	SRG Rail Yard Expansion	Construct additional tracks in South Rivergate Yard.	Increase unit train capacity to Terminal 5 and other South Rivergate facilities.	5	\$12,509,000	•	Priority Map
18	Ramsey Rail Improvements	Construct four tracks and a second lead in through the Ramsey Rail Yard. Project adds rail storage and staging separate from main line tracks.	Support trade related transportation infrastructure, policy, and services by constructing a key rail project to increase Rivergate and regional capacity, and to allow dual unit train access to Terminal 5.	5	\$13,900,000		Priority Map

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
19	Widen Lombard-Purdy to Simmons	Widen North Lombard St. from 600 feet south of North Rivergate Blvd. to the Columbia Slough in order to accommodate a 3rd lane. Add a multi-use path.	Increase multi-modal capacity to accommodate growth in surrounding development.	5	\$3,610,000		Priority Map
20	Rivergate ITS	Intelligent Transportation System in Rivergate.	Improve traffic efficiency in Rivergate by connecting information about the roadway system to ODOT's Highway ITC systems.	5	\$480,000	•	Priority Map
21	Channel Deepening	Deepen the Columbia River channel to 43 feet between the mouth of Columbia River and Portland/Vancouver Harbor.	Serve panamax bulk vessels and post-Panamax container vessels.	5	\$150,573,000		Priority Map
22	Marine Dr. Improvement Phase 2	Construct rail overcrossing on Marine Dr.	Avoid road/rail conflict.	20	\$13,644,200		Priority Map
23	Terminal 2 Crane Upgrade	The project will modify and upgrade two gantry cranes, Cranes 2371 and 2372, located at Terminal 2. The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes.	The improvements will increase the suitability and efficiency of the cranes to handle bulk cargoes.	5	\$2,680,000		Priority Map
24	Auto Import Storage Expansion	The project will construct site improvements to expand the storage capacity for auto imports through Berth 601 at Terminal 6. By increasing the land available for storage, the Berth 601 auto facility can increase throughput.	Increase the amount of storage available for auto imports through Berth 601, thereby allowing for an increase of volumes through the auto processing facility, leading to increased employment.	5	\$2,550,000		Priority Map

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
25	Terminal 4 Rail Upgrades	The project will upgrade the rail infrastructure at Terminal 4. Existing 90 pound rail will be replaced with 132 pound rail to accommodate the current standard for rail cars.	Replacement of the 90 pound rail line with 132 pound rail line will allow for heavier cars to use new track at Terminal 4 thus increasing rail shipping capacity at the terminal.	5	\$1,308,854	•	Priority Map
26	40 Mile Loop Trail: Blue Lake Park to Sundial Rd.	Construct a 1.7 mile mixed use off road trail connecting Blue Lake Park and Sundial Road.	Combined with the Port's Reynolds levee trail it will complete a 3.3 mile gap in the 40 Mile Loop Trail.	5	\$2,322,421		Priority Map
27	Troutdale Interchange (Exit 17) Improvements	Convert Marine Drive one-way southbound to two-way under I-84 and widen to five lanes. Widen South Frontage Rd, and provide associated improvements.	Ensure adequate long term interchange operation and improve access to north industrial area.	5	\$32,200,000	•	Priority Map
28	223rd Avenue Widening	Widen to three lanes between Halsey St and Marine Drive.	Upgrade the facility to major collector urban street standards.	5	\$3,667,000	•	Priority Map
29	Sundial Road Improvement	Widen Sundial north of Swigert Way and construct signal and turn lanes at Graham Rd.	Accommodate Troutdale Reynolds Industrial Park and other traffic.	5	\$3,200,000	✓	Priority Map
30	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		~	Priority Map

-

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
31	Terminal 2 Rail Improvement	Add approximately 600 feet to the inner track (Track 10) and connect it with the outer loop (Track 15). A third track may also be constructed and a rail scaling station added in addition to stormwater and lighting improvements to the dock.	Increase rail capacity and operating efficiencies at Terminal 2.	5	\$1,750,000	•	Priority Map
32	T-6 Berth 604-605 Modernization	Improvements to Berth 604/605 will include electrical upgrades, seismic upgrades, extension of the rail used by Post-Panamax cranes, storm sewer improvements, and structural repairs to the dock structure.	The project will improve the efficiency and extend the life of Crane 6378, which has been one of the most heavily used cranes on the berth.	10	\$7,035,000		Priority Map
33	Reynolds Site Road Access Phase 2 and 3	Road improvements to serve Phase 2 and 3 industrial development. Actual project will be developed in coordination with stakeholders.	Address off-site transportation impacts.	10		•	Priority Map
34	Pre-Conditioned Air for 35 Gates	Installation of preconditioned air units at PDX gates that currently do not have units.	Improve terminal amenities at PDX.	5	\$7,000,000	~	Priority Map
35	TTD Site Development for New Hangar Development	Construct new utilities and infrastructure to make site ready for development.	Will support development of approximately 20,000 square feet of workshop hangar space at Troutdale.	5	\$1,000,000		Priority Map
36	Evergreen Road Improvements (Washington County)	Widen NW Evergreen Road from two lanes to five lanes with sidewalks and bike lanes between NW 253rd Avenue and NW Sewell Road.	To serve future airport expansion as well as the surrounding industrial lands.	10	\$7,900,000	✓	Priority Map

May 10	<b>D</b>			Time Frame			
iviap iD	Project Name	Project Description	Purpose	(Years)	<b>Total Cost</b>	Priority	Area Map
37	Terminal 6 Stormwater System	Design and construct a stormwater system.	The project will resolve drainage problems and will capture and treat stormwater.	5	\$6,500,000		Priority Map
38	Terminal 4 Grain Elevator Demolition	Demolish the Terminal 4 grain elevator.	Demolition of the elevator will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in the Portland Harbor.	5	\$7,300,000	•	Priority Map
39	Terminal 4 Pier 1 Site Preparation	Demolish various structures and improve certain infrastructure features in the Pier 1 area of Terminal 4.	This project will facilitate the redevelopment of approximately 30 acres of vital marine industrial property in the Portland Harbor.	5	\$6,906,000	v	Priority Map
40	Dredge Oregon Repower	Replace and modernize controls, dredge pumps, dredge main engine, 2 auxiliary generator engines all powered by diesel. Replacement is anticipated to reduce fuel use by 40% for a savings of 160-200K gallons of fuel during a normal dredging season.	Repower the Dredge Oregon	5	\$16,500,000	<b>v</b>	Priority Map
41	Berth Deepening 401	Deepen berths at Terminals 4 to allow deeper draft vessels to transit the planned 43 foot channel.	Allow better utilization of panamax-class bulk vessels.	5	\$3,000,000	•	Priority Map
42	Swigert Way Extension	Extend Swigert Way from it existing terminus to Graham Road.	Improve access to Troutdale Reynolds Industrial Park.	5	\$2,500,000		Priority Map

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
43	Graham Road Phase I	Reconstruct and/or widen Graham Road along Troutdale Reynolds Industrial Park frontage.	Improve access to Troutdale Reynolds Industrial Park Phase 2.	5	\$5,000,000	•	Priority Map
44	Graham Road Phase II	Reconstruct and/or widen Graham Road along Troutdale Reynolds Industrial Park frontage.	Improve access to Troutdale Reynolds Industrial Park Phase 2.	5	\$8,500,000	•	Priority Map
45	Regional Rail Master Plan	Conduct a rail study to determine Port and regional freight rail needs.	To determine rail projects necessary to support economic development in the region.	5	\$200,000		Priority Map
46	South Runway Rehabilitation	Remove and replace the existing top layer of asphalt pavement and strengthen/reconstruct the pavement section where necessary. Replace the arresting cable system at each end of the runway to meet current Department of Defense standards	Rehabilitate the existing pavement surface to preserve the operational use of the runway.	5	\$85,000,000	•	Priority Map
47	Upper Deck Cargo Loader	Purchase main deck loader, similar to an FMC60, and a tail stand that can accommodate a 747 aircraft.	This equipment purchase will help to ensure PDX can continue to accommodate large widebody freighter operations, eg., 747F's at the airport	5	\$750,000	~	Priority Map
48	HIO Runway 12-30 Threshold Rehabilitation	Mill and inlay an 80' x 2000' portion of the runway 30 touchdown zone where surface cracking threatens to become a limiting factor on the use of the primary runway at HIO.	Preserve runway 12/30 pavement until a complete runway reconstruction.	5	\$1,600,000	•	Priority Map

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Aroa Man
49	TTD Reconstruct runway 7- 25	Reconstruct existing 150' x 5400' runway; narrow to 100' wide, relocated/reconstruct edge lighting, construct required drainage improvements.	Project identified in 2004 TTD Master Plan.	5	\$9,100,000		Priority Map
50	HIO Wash Racks	Construct new wash racks for tenant and itinerant aircraft washing with pollution control system to keep wash water out of storm system.	Improve environmental performance at the airport.	5	\$551,250	•	Priority Map
51	TTD Rehabilitate Taxiway A	Rehabilitation of full-length parallel taxiway A including lighting and markings.	Project recommended in 2004 Master Plan and verified by Port assessment of pavement condition and expected remaining life.	5	\$5,000,000	•	Priority Map
52	HIO Relocate Charlie Pattern Landing Site	Construct a new landing site for helicopters that use the Charlie flight pattern at HIO.	Serve helicopter training operations, and avoid operations over noise sensitive residential zones.	5	\$1,325,000	•	Priority Map
53	HIO Construct East Access Road	Construct a new public access point and tenant utilities on the east side of runway 12L/30R at HIO.	Future tenant development will require landside infrastructure to support its operation.	5	\$1,886,560	•	Priority Map
54	HIO Reconstruct Runway 2/20, Construct Taxiway Extension	Reconstruct and shift the runway thresholds. Extend taxiway at the ends of B & C.	Reconstruct runway 2/20 pavements which will be past the end of their useful life.	5	\$15,391,050	✓	Priority Map

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
55	HIO Relocate Taxiway AA	Reconstruct a new taxiway AA.	Replace existing taxiway AA with a new taxiway with the appropriate design seperation from taxiway A. Construct a perimeter road extension between taxiway AA and existing tenant ramps.	5	\$4,700,000		Priority Map
56	HIO Relocate Taxiway C	Taxiways C & CC parallel Runway 2-20 providing light aircraft access to the SW airfield. Per the 2005 Master Plan the project replaces old taxiways with a new taxiway, and complies with the B-II runway taxiway separation requirements.	Consistent with the recommendations of the 2005 HIO Airport Master Plan.	5	\$15,391,050		Priority Map
57	HIO Taxiway to NW Corporate Center	Construct a taxiway to serve new tenant leasehold development.	New tenant development in the area behind the HIO ATCT will require airside infrastructure.	5	\$1,050,000	•	Priority Map
58	HIO Construct Runway 12L/30R	Construct a new 3,200' B-1 runway parallel to the main runway (12R-30L) for use by light GA aircraft. Extensive planning effort required including environmental assessment.	Relieves existing and future congestion at the airport.	5	\$6,455,000	•	Priority Map
59	Brookwood Parkway/Hwy 26 Interchange Improvements	Construct a new westbound to southbound loop ramp at the interchange to serve Brookwood Parkway. Realign and relocate nearby local roads.	Improve access to HIO and area industry.	5	\$45,000,000		Hillsboro
60	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

-

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
61	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
62	PDX Transportation Demand Management (TDM)	Implement strategies at PDX and PIC properties that reduce auto trips in the airport area. Programs to be undertaken with other area businesses/developers to maximize effectiveness; possible administration through a transportation management association.	Fulfill TDM requirements of PDX Master Plan. Implement TDM projects and programs recommended in the PDX Alternative Modes Study.	5			PDX/PIC
63	PIC Ped/Bike Network	Construct bike and pedestrian facilities as shown in the CS/PIC Plan District.	Improve bike/ped circulation in PIC.	10	\$1,163,835		PDX/PIC
64	82nd Ave./Airport Way Grade Separation	Construct grade-separated overcrossing.	Provide efficient movement of traffic to PDX properties.	10	\$158,000,000		PDX/PIC
65	I-205 Auxiliary Lane NB	New auxiliary lane from I-84 to I-205 NB before Columbia Blvd.	Provide additional capacity for anticipated growth in area traffic.	20	\$5,775,000		PDX/PIC
66	I-205 Auxiliary Lane SB	New I-205 auxiliary lane from Airport Way to Columbia Blvd.	Provide additional capacity for anticipated growth in I- 205 corridor.	20	\$23,100,000		PDX/PIC
67	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
68	Airport Way Braided Ramps	Construct braided ramps between the I- 205 interchange and Cascade Interchange.	Maintain safety and capacity of Airport Way and interchanges.	20	\$59,000,000		PDX/PIC

				Time Frame			
Map ID	Project Name	Project Description	Purpose	(Years)	Total Cost	Priority	Area Map
69	Alternative Fuels Station	Construct a PDX alternative fuels station	Provide refueling capabilities for both landside (public) CNG vehicles. Encourage airport businesses to convert fleets to CNG to improve air quality.	5	\$1,000,000		PDX/PIC
70	SW Quad Drainage Improvements	Drainage improvements in SW Quad through modifications to the existing drainage channels and increasing the capacity of the Broadmoor Pump Station.	Provide additional capacity for anticipated growth in passenger traffic.	5	\$2,500,000		PDX/PIC
71	Widen APW Outbound East of 82nd	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	10	\$2,835,000		PDX/PIC
72	Deplaning Curbside Roadway Lanes	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$2,976,000		PDX/PIC
73	Deplaning Curbside Roadway Loading	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$324,000		PDX/PIC
74	Airport Way Westbound Approaching Return Road	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$1,080,000		PDX/PIC
75	Terminal Exit Roadway at P. O. Curves	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	10	\$1,250,000		PDX/PIC

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
76	Terminal Exit Roadway at Parking Plaza	Add New Lane	Provide additional capacity for anticipated growth in passenger traffic.	20	\$1,104,000		PDX/PIC
77	Terminal 6 Container Dock Extension	Extend Berth 605 upstream by 600 feet or more.	Lengthen the berth to preserve Terminal 6 as a three-berth facility capable of handling longer vessels.	15	\$19,500,000		Rivergate
78	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
79	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
80	Terminal 6 Internal Overcrossing	Construct a rail overcrossing at Terminal 6.	Increase efficient movement for rail and Terminal 6 tenants.	5	\$3,649,084		Rivergate
81	West Hayden Island Bridge and Access Rd.	Construct 4-lane bridge to West Hayden Island, west alignment with 90' clearance and associated ramp infrastructure.	Provide access to Port's marine development and to existing development on Hayden Island.	20	\$99,258,000		Rivergate
82	West Hayden Island Rail Access	Rail access to support West Hayden Island development.	Advance rail-dependent development.	20	\$3,000,000		Rivergate
83	West Hayden Island Rail Yard	Seven track rail yard connected to facility trackage.	Advance rail development on West Hayden Island.	20	\$9,500,000		Rivergate

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
84	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	\$5,000,000		Rivergate
85	T6 Rail Support Yard Improvements	Construct an additional 6,800 feet of arrival/departure track and 8,500 feet of storage track.	Increase Terminal 6 rail capacity.	10	\$10,000,000		Rivergate
86	Burgard Bridge Replacement	Upgrade structure.	Replace the bridge with a slab on grade to eliminate weight restrictions.	5	\$1,445,000		Rivergate
87	Columbia Blvd./Portland Rd. Intersection Improvements	Redesign could include realignment of travel lanes, channelization, signing or new sidewalks and curbs.	Reinforce through truck movements on minor and major truck streets (Portland Rd. and Columbia Blvd. respectively), minimizing neighborhood cut-through traffic.	5	\$1,214,000		Rivergate
88	North Burgard/Lombard Street Improvements	Widen Burgard to 3 Lanes with bike lanes and sidewalks from UPRR bridge to Columbia.	Improve freight mobility, safety and industrial site access.	5	\$14,588,000		Rivergate
89	Terminal 6 Replace Cranes 6378, 6374, and 6375	Acquire two post-panamax cranes in addition to Crane #6381.	Provide a two-berth post- panamax vessel capability at Terminal 6.	10	\$30,000,000		Rivergate

-

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Man
90	Willamette River Deepening	Deepen the portions of the Willamette River with deep draft infrastructure to -43' where appropriate.	To allow Willamette River terminals to also benefit from the Columbia River's new controlling depth.	10	\$200,000,000		Rivergate
91	Terminal 6 Honda Rail Extension	Extend current rail yard in order to provide more capacity for current tenants.	Capacity improvements for current tenants.	10	\$1,000,000		Rivergate
92	Columbia River Anchorage Improvements	Placement of up to seven stern buoys at different anchorages up and down the Columbia River.	Allow for the anchorage of ships in the river rather then at terminals that could otherwise be loading/unloading cargo.	5	\$2,342,000		Rivergate
93	257th Interchange at I-84 Improvement	Improve function of split diamond interchange at 257th. Construct "backage road" or other improvement.	Improve access from north and south of the interchange to I-84.	10	\$9,400,000		Troutdale/TRIP
94	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		Troutdale/TRIP
95	Riverside Drive Extension	Riverside Dr. Extension (190th) to Sandy Blvd.); improve to collector standards.	Serve developing industrial parcels.	5	\$10,975,110		Troutdale/TRIP
96	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		Troutdale/TRIP

Map ID	Project Name	Project Description	Purpose	Time Frame (Years)	Total Cost	Priority	Area Map
97	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.	20	\$500,000		T2/Swan Island
98	Going St. Rail- Overcrossing Improvement	Seismic Retrofit	Minimize risk of collapse of structure during earthquake for traffic entering and exiting Swan Island.	5	\$4,000,000		T2/Swan Island
99	Graham Line Connection	This project will create a new track connection between the Graham Line, which runs parallel with I-84 through Sullivan's Gulch and the Brooklyn Sub, UP's north-south line through Portland.	This connection will allow UP rail traffic entering Portland from the east to turn south onto the Brooklyn Sub from the Graham Line. This project will eliminate delay and increase system capacity.	5	\$15,000,000		T2/Swan Island



# Project Name: Columbia Blvd./Lombard St. Improvements at MLK

Map ID:	1 <b>Tin</b>	me Frame (Years):	5 years	Total Cost:	\$2, <b>228,9</b> 10
Project Type:	Road			Year of Cost	
Operation Area	Priority Map			Estimate:	2004
Droject Description.				Federai:	\$2,000,00 <b>0</b>
Project Description:	Improve freight r Lombard St.	movement between Colum	ibia Blvd. and	State:	
				City:	\$114,455
Purpose		ivity and bottor distribute f	alabet to all -	SDC:	
i aiposo,	between Columb	bia Blvd. and Lombard St.	reight trailic	Port Share Committed:	\$114,455
JDE NUM:				Port Share	
<b>RTP Related:</b>	10208			Porecasted:	
Recent Study:	Columbia Courida	Transaction On Long		Private:	
necent Study.	Columbia Comoc	or transportation Study (19	999)	Other:	
Port Strategic Area:	Regional Leaders	ship in Transportation		Unfunded:	
RTP 2035 Illustrat	tive	<b>Conditioned Project</b>		Estimate Rating:	
RTP 2035 Constra	ained 🗸	identified in STIP			

# Project Name: I-205 Interchange - NB On-Ramp at Airport Way

Map ID:	2 Tir	ne Frame (Years):	5 years	Total Cost:	\$18,000,000
Project Type:	Road			Year of Cost Estimate:	2006
Operation Area	Priority Map			Federal	¢1 000 000
<b>Project Description:</b>	New I-205 NB or	n-ramp and/or other improv	ements at I-	rederal.	\$1,000,000
	205/Airport Way	interchange.		State:	\$3, <b>0</b> 00,000
			÷.	City:	
Purpose:	Provide addition	al capacity for opticipated a	routh in orac	SDC:	
	traffic.	a capacity for anticipated g	rowin in area	Port Share Committed:	\$4,000,000
JDE NUM:	810009			Port Share	4
<b>RTP Related:</b>	1 <b>0</b> 865			Porecasted: Private:	
Recent Study:	Cascade Station/ Assessment Tran	Portland Int'l Center Enviror Isportation Analysis (2004)	nmental	Other:	
Port Strategic Area:	Retain and Grow	Key Services		Unfunded:	\$10,000,000
RTP 2035 illustra	tive 🗸	Conditioned Project		Estimate Rating: 3c	
RTP 2035 Constra	ained 🗹	identified in STIP		-	

## Project Name: 82nd Ave. SB Ramp/Columbia Blvd.

Map ID:	3 ті	me Frame (Years):	5 years	<b>Total Cost:</b>	\$2,000,000
Project Type:	Road			Year of Cost Estimate	2006
<b>Operation Area</b>	Priority Map			Estimate.	
Project Description:	Construct additi			rederal:	\$1,800,000
rioject Description.	Signalize.	ional WB Inrough lane. Add	a new turn lane.	State:	
				City:	
Purnose	Mitigate PDX Gr	PDY Growth Impacts		SDC:	
	willigate i bx di	own inpacts.		Port Share Committed:	\$200,000
JDE NUM:	810011			Port Share	
<b>RTP Related:</b>	11326			Private:	
Recent Study:	Cascade Station Assessment Tra	n/Portland Int'l Center Enviro nsportation Analysis (2004)	nmental	Other:	
Port Strategic Area:	Retain and Grov	v Key Services		Unfunded:	
RTP 2035 Illustra	tive 🗸	<b>Conditioned Project</b>	E	stimate Rating: 3c	
RTP 2035 Constr	ained 🗹	Identified in STIP			

## Project Name: Alderwood and Cully Intersections @ Columbia Blvd.

Map ID:	4 Time Frame (Years): 5 years	Total Cost:	\$11,000,000
Project Type:	Road	Year of Cost Estimate:	2 <b>0</b> 10
Operation Area	Priority Map	Federal:	
Project Description:	Widen and signalize intersection at Alderwood Rd. and Columbia Blvd.	State:	
		City:	
Purpose:	Provide transportation link to the cargo area located within	SDC:	
	the south airport area and to support Columbia Corridor freight movement.	Port Share Committed:	\$2,500,000
JDE NUM:	810020	Port Share	
<b>RTP Related:</b>	10336	Private:	
Recent Study:	Airport Futures Transportation Impact Study (2010)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$8,500,000
RTP 2035 Illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2035 Constr	ained Identified In STIP		

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

Map ID: 5 Time Frame	(Years): 10 years	<b>Total Cost:</b>	\$57,773,032
Project Type: Road		Year of Cost Estimate:	2006
Operation Area Priority Map		Federai:	
Project Description: Construct a full interchange a functional equivalent. Includ	at Columbia Blvd. or the es two projects Delta Park	State:	
Phase II and Argyle on the H	Phase II and Argyle on the Hill.	City:	
Purpose: Improve connections betwee	n Columbia Blvd. and I-5 f	or SDC:	
trucks.	trucks.		
JDE NUM: 810009		Port Share	
RTP Related: 10219, 10874		Private:	
Recent Study: I-5 Delta Park Environmental	Assessment (2006)	Other:	
Port Strategic Area: Regional Leadership in Trans	portation	Unfunded:	\$57,773,032
RTP 2035 Illustrative Condition	ed Project	Estimate Rating: N	/A
✓ RTP 2035 Constrained   identified	in STIP		

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

Map ID:	6 Time Frame ()	fears):	5 years	<b>Total Cost:</b>	<b>\$11,200,00</b> 0
Project Type:	Road			Year of Cost Estimate:	2007
<b>Operation Area</b>	Priority Map			Federal:	
Project Description:	Expand the on-ramp to three lan	nes, includii	ng for truck/HOV.	State:	
				City:	
Purpose:	Increase the capacity of the I-20	5 SB on-rar	np at Columbia	SDC:	
	Blvd.			Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>	11091			Private:	
<b>Recent Study:</b>	Colwood Golf Course Rezone Tr Analysis (2007)	ansportatio	n Impact	Other:	
Port Strategic Area:	Retain and Grow Key Services			Unfunded:	\$11,200,000
RTP 2035 illustra	ive Conditioned	Project	E	stimate Rating:	
RTP 2035 Constr	ained identified in t	STIP			

## Project Name: PDX ITS - AVI Technology

Map ID: 7	Time Frame (Years): 5 years	<b>Total Cost:</b>	\$3,765,000
Project Type: ITS		Year of Cost Estimate:	2010
Operation Area Prio	rity Map	Federal:	
Project Description: Auto	omated Vehicle Identification Technology	State:	
		City:	
Purpose: Ima	rous sutemated ushiels identification susters at DDV	SDC:	
Purpose: Imp	rove automated venicle identification system at PDX.	Port Share Committed:	
JDE NUM: 1006	680	Port Share Forecasted:	\$3,765,000
RTP Related: 1037	70	Private:	
Recent Study: PDX	(ITS Plan (2001)	Other:	
Port Strategic Area: Reta	ain and Grow Key Services	Unfunded:	\$0
✓ RTP 2035 Illustrative	Conditioned Project	Estimate Rating: 3c	
RTP 2035 Constraine	d identified in STIP		

## Project Name: Terminal 4 Automobile Yard Expansion

Map iD:	8 Time Frame (Years): 10 years	Totai Cost:	\$3,000,000
Project Type:	Marine	Year of Cost Estimate:	
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Design and construct six acres of porous pavement parking for the storage of imported automobiles.	State:	
		City:	
Purpose:	The project will provide additional land to meet auto storage	SDC:	
	capacity needs of Toyota, supporting the Port's automobile import business line.	Port Share Committed:	
JDE NUM:	100769	Port Share	
RTP Related:		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:	\$3,000,000
RTP 2035 lilustrat	ive Conditioned Project E	stimate Rating:	
RTP 2035 Constra	ined identified in STIP		

# Project Name: Terminal 6 Container Crane Modernizations

Map ID:	9 Time Frame (Years): 5 years	Total Cost:	\$3,634,260
Project Type:	Marine	Year of Cost Estimate:	
<b>Operation Area</b>	Priority Map	Fadarak	
Project Description:	The project will increase operating efficiencies and improve	rederal:	
	safety on Cranes 6373, 6374, 6375, and 6379.	State:	<b>\$</b> 2, <b>9</b> 07,40 <b>8</b>
		City:	
Purpose:	be project will increase the reliability of caroo bandling	SDC:	
	equipment, and provide more reliable service to customers	Port Share Committed:	\$726,852
JDE NUM:	100952, 100953	Port Share	
<b>RTP Related:</b>	11207	Forecasted:	
Recent Study:		Privale:	
novon olday.		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	
RTP 2035 Illustra	tive Conditioned Project Es	stimate Rating:	
RTP 2035 Constru	ained identified in STIP		

# Project Name: Barnes to Terminal 4 Rail

Map ID: 10 Time Frame (Years): 5 years	s Totai Cost: \$3,000,000
Project Type: Rail	Year of Cost Estimate: 2005
	Federal:
<b>Project Description:</b> Provide a new track from Barnes Yard to Terminal 4.	State:
	City:
Purpose: Improve rail access to Terminal 4	SDC:
	Port Share Committed:
JDE NUM: 100658	Port Share
RTP Related: 11355	Private:
Recent Study: Marine Terminal Master Plan 2020 (2003)	Other:
Port Strategic Area: Regional Leadership in Industrial Lands	Unfunded:
RTP 2035 illustrative Conditioned Project	Estimate Rating: 2b
RTP 2035 Constrained identified in STIP	

## Project Name: Cathedral Park Quiet Zone

Map ID:	11 <b>Time Frame (Years):</b> 5 years	<b>Total Cost:</b>	\$8,200,000
Project Type:	Rail	Year of Cost Estimate:	2007
Operation Area	Priority Map	Federal:	
Project Description:	Address rail switching noise by improving multiple public rail crossings in the St. Johns Cathedral Park area.	State:	
		City:	
Purpose:	To allow auto import operations to continue to grow in N.	SDC:	
	Portland and improve neighborhood livability.	Port Share Committed:	
JDE NUM:	100831	Port Share Forecasted:	
<b>RTP Related:</b>	10375	Private:	
Recent Study:	Cathedral Park Whistle Free Zone Strategic Options, Parametrix (2007)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$8,200,000
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating:	
✓ BTP 2035 Constr	alped identified in STiP		

## Project Name: Kenton Rail Line Upgrade

Map iD:	12 Time Frame (Years): 10 years	<b>Total Cost:</b>	\$25,382,000
Project Type:	Rail	Year of Cost Estimate:	2003
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Upgrade existing track to second main track with new double track from Peninsula Junction to I-205 and increase	State:	
	track speeds between North Portland, Peninsula Junction, to Reynolds on UP's Kenton Line. Part of triangle project	City:	
	with ODOT.	SDC:	
r alpooo.		Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>	11356	Private:	
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	ž.
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	\$25,382,000
✔ RTP 2035 Illustra	tive Conditioned Project E	stimate Rating:	
RTP 2035 Constr	ained Identified in STIP		
## Project Name: Terminal 4 Pipeline Infrastructure

Map ID:	13 <b>Time Frame (Years):</b> 5 years	Total Cost:	<b>\$4,640,0</b> 00
Project Type: Operation Area	Marine Priority Man	Year of Cost Estimate:	2007
Project Description:	Design and build a new common user pipeline system.	Federal: State:	\$3,712,000
_		City:	
<b>Purpose:</b> Develop a new pipeline system to serve as many as four potential liquid bulk tenants over Berth 401.		Port Share Committed:	\$928,000
JDE NUM: RTP Related:	100955	Port Share Forecasted:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services Ive Conditioned Project	Unfunded: Estimate Rating: 1a	\$0
RTP 2035 Constra	ined identified In STIP		

## Project Name: Berth Deepening: Berth 501 and 503

Map ID:	14 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$3,212,500
Project Type:	Marine	Year of Cost	
<b>Operation Area</b>	Priority Map	Estimate:	
Project Description:	Despen boths at Terminals 5 to allow despendents	Federai:	
. rejeet beechpuoli.	to transit the planned 43 foot channel.	State:	
		City:	
Purpose:	Allow better utilization of panamax-class bulk vessels.	SDC:	
		Port Share Committed:	
JDE NUM:	100860, 100861	Port Share	
<b>RTP Related:</b>		Forecasted:	
Decent Study		Private:	
necent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$3,212,500
RTP 2035 iliustra	live Conditioned Project	Estimate Rating:	
RTP 2035 Constra	alned identified in STIP		

## Project Name: Leadbetter St. Extension/Overcrossing

Map ID:	15 <b>Time Frame (Years):</b> 5 years	<b>Total Cost:</b>	\$11,323,500
Project Type:	Road	Year of Cost Estimate:	2010
<b>Operation Area</b>	Priority Map	Federat	••••••
Project Description:	Complete Loadhetter Ct. Jaco te Marine Dr. (Resifie	regeral:	\$6,466,193
rioject Description.	Gateway/Terminal 6 intersection) including a road bridge	State:	\$4,857,307
	over rail line.	City:	
Purpose:	Provide access to developing properties and eliminate	SDC:	
rail/auto conflict at future intersection.		Port Share Committed:	
JDE NUM:	500157	Port Share	
<b>RTP Related:</b>	10369	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:	
RTP 2035 illustra	tive 🗹 Conditioned Project	Estimate Rating: 1a	
RTP 2035 Constru	ained 🗹 identified in STIP		

## Project Name: Barnes Yard to Bonneville Yard Trackage

Map ID:	16 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$11,912,000
Project Type:	Rail	Year of Cost Estimate	2003
Operation Area	Priority Map	Federal:	
Project Description:	Construct additional unit train trackage (approximately 16,000 linear feet) between Bonneville and Barnes rail yards	State:	
		City:	
Purpose:	Address limited Rivergate staging area for unit trains	SDC:	
	approaching or departing the marine terminals. Reduce switching bottlenecks, limits to terminal access and other operational conflicts in the Columbia Corridor.	Port Share Committed:	
JDE NUM:		Port Share	
<b>RTP Related:</b>	11352	Private:	
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	\$11,912,000
RTP 2035 illustra	tive Conditioned Project	Estimate Rating: N/	A
RTP 2035 Constr	ained identified in STIP		

### Project Name: SRG Rail Yard Expansion

Map ID:	17 <b>Time Frame (Years):</b> 5 years	<b>Total Cost:</b>	\$12, <b>509,0</b> 00
Project Type:	Rail	Year of Cost Estimate:	2010
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Construct additional tracks in South Rivergate Yard.	State	\$8 942 200
		City:	<i>40,942,200</i>
		enc.	
Purpose:	Increase unit train capacity to Terminal 5 and other South	SDC:	
	Rivergate facilities.	Port Share Committed:	
JDE NUM:	100352	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	\$3,566,800.00
<b>Recent Study:</b>	Marine Terminal Master Plan 2020 (2003)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	
RTP 2035 illustra	tive Conditioned Project	Estimate Rating: 1a	
RTP 2035 Constr	ained identified in STIP		

## Project Name: Ramsey Rail Improvements

Map ID:	18 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$13,900,000
Project Type:	Rail	Year of Cost Estimate:	2 <b>0</b> 10
<b>Operation Area</b>	Priority Map	Federal:	\$4 600 000
Project Description:	Construct four tracks and a second lead in through the Ramsey Rail Yard. Project adds rail storage and staging	State: \$6,8	\$6,840,000
	separate from main line tracks.	City:	
Burboso		SDC:	
Fulpose.	and services by constructing a key rail project to increase Rivergate and regional capacity, and to allow dual unit trair access to Terminal 5.	Port Share Committed:	
JDE NUM:	700107	Port Share Forecasted:	
<b>RTP Related:</b>	11092	Private:	\$2,460,000,00
Recent Study:	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating: 1a	
RTP 2035 Constr	alned Identified in STIP		

## Project Name: Widen Lombard-Purdy to Simmons

Map ID:	19 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$3,610,000
Project Type:	Road	Year of Cost Estimate:	2010
Operation Area	Priority Map	Enderel	
<b>Project Description:</b>	Widen North Lombard St. from 600 feet south of North	rederal:	
	Rivergate Blvd. to the Columbia Slough in order to	State:	\$3,610, <b>0</b> 00
	accommodate a 3rd lane. Add a multi-use path.	City:	
Purpose:	Increase multi-model capacity to accommodate growth in	SDC:	
	surrounding development.	Port Share Committed:	
JDE NUM:	810027	Port Share	
<b>RTP Related:</b>	Porecasted: Private:		
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:	
✔ RTP 2035 illustra	tive Conditioned Project	Estimate Rating: 1a	
RTP 2035 Constr	ained 🗹 identified in STIP		

## Project Name: Rivergate ITS

<b>Map ID:</b> 20	Time Frame (Years): 5 years	<b>Total Cost:</b>	\$480,000
Project Type: ITS		Year of Cost Estimate:	2007
Operation Area Priority Map		Federal:	
Project Description: Intelligent T	ransportation System in Rivergate.	State:	
		City:	
Purpose: Improve trat	vo traffio officionov in Diversato hu connection	SDC:	
information ITC systems	Port Share Committed:		
JDE NUM:		Port Share	
RTP Related: 10373		Porecasted: Private:	
Recent Study:		Other:	
Port Strategic Area: Regional Le	adership in Transportation	Unfunded:	\$480,000
RTP 2035 illustrative	Conditioned Project	Estimate Rating: 3c	
RTP 2035 Constrained	identified in STIP		

### Project Name: Channel Deepening

Map ID:	21 Time Frame (Years	): 5 years	Total Cost:	\$150,573,000
Project Type:	Marine		Year of Cost Estimate:	
<b>Operation Area</b>	Priority Map		Eederal	
<b>Project Description:</b>	Deepen the Columbia River channel to	43 feet between th	e Outra	
	mouth of Columbia River and Portland	Nancouver Harbor.	State:	
			City:	
Purpose:	Serve panamax bulk vessels and post-	Panamax container	SDC:	
	vessels.	r anamax container	Port Share Committed:	
JDE NUM:	700000, 700001		Port Share Forecasted:	
<b>RTP Related:</b>	10357		Private:	
Recent Study:			Other:	\$150,573,000.00
Port Strategic Area:	Retain and Grow Key Services		Unfunded:	
RTP 2035 iliustra	ive Conditioned Project	ct	Estimate Rating:	1b
RTP 2035 Constru	ined identified in STIP			
Project Name:	Marine Dr. Improvement F	Phase 2		
Map ID:	22 Time Frame (Years)	20 years	Total Cost:	\$13,644,200
Project Type:	load		Year of Cost	0000
<b>Operation Area</b>	Priority Map		Estimate:	2003
			Federai:	

Project Description: Construct rail overcrossing on Marine Dr.

Purpose: Avoid road/rail conflict.

JDE NUM:

RTP Related: 10379

**Recent Study:** 

Port Strategic Area: Regional Leadership in Transportation

RTP 2035 illustrative

RTP 2035 Constrained

Conditioned Projectidentified in STiP

Unfunded: Estimate Rating: 3c

Port Share Committed: Port Share

**Forecasted:** 

Private:

Other:

\$13,644,200

State: City: SDC:

## Project Name: Terminal 2 Crane Upgrade

Map ID:	23 <b>Time Frame (Years):</b> 5 years	Total Cost:	\$2,680,000
Project Type:	Marine	Year of Cost Estimate:	2009
<b>Operation Area</b>	Priority Map	Federai:	
Project Description:	The project will modify and upgrade two gantry cranes, Cranes 2371 and 2372, located at Terminal 2. The	State:	
	the cranes to handle bulk cargoes.	City:	
Purpose:	The improvements will increase the suitability and efficiency	SDC:	
	of the cranes to handle bulk cargoes.	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$2,680,000
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating: 2b	
RTP 2035 Constr	ained identified in STIP		

## Project Name: Auto Import Storage Expansion

Map ID:	24 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$2,550,000
Project Type:	Marine	Year of Cost	2009
<b>Operation Area</b>	Priority Map	Federal:	2000
Project Description:	The project will construct site improvements to expand the storage capacity for auto imports through Berth 601 at	State:	
	Terminal 6. By increasing the land available for storage, the Berth 601 auto facility can increase throughput.	City:	
Purpose:	Increase the amount of storage available for auto imports	SDC:	
	through Berth 601, thereby allowing for an increase of volumes through the auto processing facility, leading to increased employment.	Port Share Committed:	
JDE NUM:		Port Share	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$2,550,000
RTP 2035 illustrat	tive Conditioned Project E ained Identified In STIP	stimate Rating: 2b	

### Project Name: Terminal 4 Rail Upgrades

Map ID:	25	Time Frame (Years):	5 years	<b>Total Cost:</b>	\$1,308,854
Project Type:	Marine			Year of Cost	2011
<b>Operation Area</b>	Priority Map			Estimato.	
Project Description:	The sectors	uill un annala tha anti interation		rederal:	
Project Description.	Existing 90	The project will upgrade the rail infrastructure at Terminal 4. Existing 90 pound rail will be replaced with 132 pound rail to		o State:	\$1,047,083
	accommodate the current standard for rail cars.			City:	
D	Replacement of the 90 pound rail line with 132 pound rail line will allow for heavier cars to use new track at Terminal 4 thus increasing rail shipping capacity at the terminal.		SDC:		
Purpose:			Davit Chave		
			Committed:	\$261,771	
JDE NUM:				Port Share	
RTD Delated				Forecasted:	
mir neialeu.				Private:	
Recent Study:				Other:	
Port Strategic Area:	Retain and (	Grow Key Services		Unfunded:	
RTP 2035 lilustra	tive	Conditioned Project		Estimate Rating: 2b	
RTP 2035 Constr	ained	identified in STIP			

## Project Name: 40 Mile Loop Trail: Blue Lake Park to Sundial Rd.

Map ID: 3	26 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$2,322,421
Project Type:	Bike/Ped	Year of Cost Estimate:	2008
Operation Area	Priority Map	Federai:	\$2.083.908
Project Description:	Construct a 1.7 mile mixed use off road trail connecting Blue Lake Park and Sundial Road.	State:	
		City:	\$159,008
Purnose	Combined with the Port's Poveolde lovee trail it will complete	SDC:	
	a 3.3 mile gap in the 40 Mile Loop Trail.	Port Share Committed:	\$79,505
JDE NUM:		Port Share	
RTP Related: 10408		Forecasted: Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	
RTP 2035 liiustrati	ve Conditioned Project	Estimate Rating:	
RTP 2035 Constra	Ined identified in STIP		

#### PRIORITY PROJECTS

### Project Name: Troutdale Interchange (Exit 17) Improvements

Map ID:	27 <b>Time Frame (Years):</b> 5 years	<b>Total Cost:</b>	\$32,200,000
Project Type:	Road	Year of Cost Estimate:	2007
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Convert Marine Drive one-way southbound to two-way under I-84 and widen to five lanes. Widen South Fronta	ge State:	\$24,000,000
	Rd. and provide associated improvements.	City:	
Burnoso	For we electrate leng term intersheepen exercities and	SDC:	
Fuipose.	improve access to north industrial area.	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>	10863	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:	\$8,200,000
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	alned 🗹 identified in STiP		

## Project Name: 223rd Avenue Widening

Map ID: 28 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$3,667,000
Project Type: Road	Year of Cost Estimate:	
Operation Area Priority Map	Federal:	
Project Description: Widen to three lanes between Halsey St and Marine Driv	e. State:	
	City:	
Purpose: Upgrade the facility to major collector urban street stand	SDC:	
	Port Share Committed:	
JDE NUM:	Port Share	
RTP Related: 10388, 10389	Private:	
Recent Study:	Other:	
Port Strategic Area: Regional Leadership in Transportation	Unfunded:	\$3,667,000
RTP 2035 liiustrative Conditioned Project	Estimate Rating: N/	A
RTP 2035 Constrained Identified in STIP		

### Project Name: Sundial Road Improvement

Map ID:	29 Tim	ne Frame (Years):	5 years	Total Cost:	\$3,200,000
Project Type:	Road			Year of Cost Estimate:	2007
<b>Operation Area</b>	Priority Map			Federai:	
Project Description:	Widen Sundial no and turn lanes at	orth of Swigert Way and c t Graham Rd.	onstruct signal	State:	
				City:	
				SDC:	
Purpose:	Accommodate Ir traffic.	routdale Heynolds Industr	ial Park and other	Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>	11190			Private:	
<b>Recent Study:</b>				Other:	
Port Strategic Area:	Regional Leaders	ship in Industrial Lands		Unfunded:	\$3,200,000
RTP 2035 iliustra	ative 🗌	<b>Conditioned Project</b>	E	stimate Rating: 1a	
RTP 2035 Const	rained 🔽	identified in STIP			

## Project Name: PSU ITS Expansion

Map ID:	30 Time Frame (Years): 5 years	Total Cost:
Project Type:	ITS	Year of Cost Estimate:
<b>Operation Area</b>	Priority Map	Federal:
Project Description:	Expand PSU's existing web based ITS "count sensor" program beyond the freeway to some key arterials	State:
	throughout the region and create a repository of regional freight data.	City:
Purpose:	To secure truck flow and concession data	SDC:
r urposo.	To secure index now and congestion data.	Port Share Committed:
JDE NUM:		Port Share Forecasted:
<b>RTP Related:</b>	10377	Private:
Recent Study:		Other:
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating: N//
RTP 2035 Constr	rained identified in STIP	

### Project Name: Terminal 2 Rail Improvement

Map ID:	31 Time Frame (Years): 5 years	Total Cost:	\$1,750,000
Project Type:	Rail	Year of Cost Estimate:	2007
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Add approximately 600 feet to the inner track (Track 10) and connect it with the outer loop (Track 15). A third track may	State:	
	also be constructed and a rail scaling station added in addition to stormwater and lighting improvements to the	City:	
	dock.	SDC:	
Purpose:	Increase rail capacity and operating efficiencies at Terminal 2.	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area	Retain and Grow Key Services	Unfunded:	\$1,750,000
RTP 2035 iliustra	ative Conditioned Project E	stimate Rating: 3c	
RTP 2035 Const	rained identified in STiP		

### Project Name: T-6 Berth 604-605 Modernization

Map ID: 32 Time Frame (Years): 10 years	Total Cost:	\$7,035,000
Project Type: Marine	Year of Cost Estimate:	
Operation Area Priority Map	Federal:	\$7,035,000
Project Description: Improvements to Berth 604/605 will include electrical	State:	
Post-Panamax cranes, storm sewer improvements, and	City:	
	SDC:	
<b>Purpose:</b> The project will improve the efficiency and extend the life of Crane 6378, which has been one of the most heavily used cranes on the berth.	Port Share Committed:	
JDE NUM: 100241	Port Share Forecasted:	
RTP Related: 11207	Private:	
Recent Study:	Other:	
Port Strategic Area: Betain and Grow Key Services	Unfunded:	
RTP 2035 illustrative     Conditioned Project	Estimate Rating:	
RTP 2035 Constrained identified in STIP		

### Project Name: Reynolds Site Road Access Phase 2 and 3

Map iD:	33 Time Frame (Years): 10 years	<b>Total Cost:</b>
Project Type:	Road	Year of Cost Estimate:
<b>Operation Area</b>	Priority Map	Federal:
Project Description:	Road improvements to serve Phase 2 and 3 industrial development. Actual project will be developed in	State:
	coordination with stakeholders.	City:
Purpose	Address off site transportation impacts	SDC:
ruipose.	Autress on-site transportation impacts.	Port Share Committed:
JDE NUM:		Port Share Forecasted:
<b>RTP Related:</b>	11231, 11232	Private:
Recent Study:		Other:
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating:
RTP 2035 Constr	ained 📝 identified in STiP	

### Project Name: Pre-Conditioned Air for 35 Gates

Map ID:	: 34 Time Frame (Years):	5 years Total Cost:	\$7,000,000
Project Type:	Aviation	Year of Cost Estimate:	2008
<b>Operation Area</b>	Priority Map	Federai:	\$1,500,000
Project Description:	Installation of preconditioned air units at PDX currently do not have units.	gates that State:	
		City:	
Burnoso	Improve terminal empirities at DDV	SDC:	
Fulpose.	improve terminar amenities at PDX.	Port Share Committed:	
JDE NUM:	: 101174	Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:	:	Other:	
Port Strategic Area	Retain and Grow Key Services	Unfunded:	\$5,500,000
RTP 2035 iiiustra	ative Conditioned Project	Estimate Rating:	

### Project Name: TTD Site Development for New Hangar Development

Map ID:	35 Time Frame (Years):	5 years	<b>Total Cost:</b>	\$1,000,000
Project Type:	Aviation		Year of Cost Estimate:	
Operation Area	Priority Map		Federal:	
Project Description:	Construct new utilities and infrastructure to m for development.	nake site ready	State:	
			City:	
Purpose	Will support development of approximately 2	0.000 square	SDC:	
, upooo.	feet of workshop hangar space at Troutdale.	0,000 340010	Port Share Committed:	
JDE NUM:	100601		Port Share Forecasted:	
<b>RTP Related:</b>			Private:	
Recent Study:			Other:	
Port Strategic Area:	Retain and Grow Key Services		Unfunded:	\$1,000,000
RTP 2035 illustra	ative Conditioned Project	E	stimate Rating:	
RTP 2035 Constr	rained Identified in STIP			

### Project Name: Evergreen Road Improvements (Washington County)

Map ID:	36 Time Frame (Years): 10 years	Total Cost:	\$7,900,000
Project Type:	Road	Year of Cost Estimate:	2009
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Widen NW Evergreen Road from two lanes to five lanes with sidewalks and bike lanes between NW 253rd Avenue and	State:	
	NW Sewell Road.	City:	
Burnosa	To any first standard and the standard standard standard standard standard standard standard standard standard	SDC:	
<b>Purpose:</b> To serve future airport expansion as well as the surrounding industrial lands.		Port Share Committed:	
JDE NUM:		Port Share	
<b>RTP Related:</b>	10597	Private:	
Recent Study:		Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	\$11,242,000
RTP 2035 iliustra	ative Conditioned Project E	stimate Rating:	
RTP 2035 Constr	rained Identified in STIP		

### Project Name: Terminal 6 Stormwater System

Map ID:	37 <b>Time Frame (Years):</b> 5	years Total Cost:	\$6,500,000
Project Type:	Marine	Year of Cost Estimate:	2008
Operation Area	Priority Map	Federai:	
Project Description:	Design and construct a stormwater system.	State:	
		City:	
Purpose	The project will see the desire as particular, and	SDC:	
<b>Purpose:</b> The project will resolve drainage problems and will capture and treat stormwater.		Port Share Committed:	
JDE NUM: RTP Related:		Port Share	
		Porecasted: Private:	
Recent Study:		Other:	
Port Strategic Area:	Portwide Environmental Strategy	Unfunded:	\$6,500,000
RTP 2035 iliustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained identified in STIP		

## Project Name: Terminal 4 Grain Elevator Demolition

Map ID: 38 Time Frame (Years): 5 years	Total Cost:	\$7,300,000
Project Type: Marine	Year of Cost Estimate:	2008
Operation Area Priority Map	Federal	
Project Description: Demolish the Terminal 4 grain elevator	i cuciui.	
s segues a cost parent a bonnolion and reinning a grain clovator.	State:	
	City:	
	SDC:	
approximately 30 acres of vital marine industrial property in the Portland Harbor.	Port Share Committed:	
JDE NUM:	Port Share	
RTP Related: 11208	Private:	
Recent Study: Terminal 4 Pier 1 Facility Plan (TEC Inc.)	Other:	
Port Strategic Area: Regional Leadership in Industrial Lands	Unfunded:	\$7,300,000
RTP 2035 iliustrative Conditioned Project	stimate Rating:	
RTP 2035 Constrained Identified in STIP		

### Project Name: Terminal 4 Pier 1 Site Preparation

Map iD:	39	Time Frame (Years):	5 years	Total Cost:	\$6,906,000
Project Type:	Marine			Year of Cost Estimate:	2008
<b>Operation Area</b>	Priority Map			Federal:	
Project Description:	Demolish va infrastructur	arious structures and improve of re features in the Pier 1 area of	certain Terminal 4.	State:	
				City:	
				SDC:	
Purpose:	This project approximate the Portland	will facilitate the redevelopmer ely 30 acres of vital marine indu I Harbor.	nt of Istrial property in	Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>	11208			Private:	
<b>Recent Study:</b>	Terminal 4 F	Pier 1 Facility Plan (TEC Inc.)		Other:	
Port Strategic Area:	Regional Le	adership in Industrial Lands		Unfunded:	\$6,906,000
✓ RTP 2035 iiiustra	tive	Conditioned Project		Estimate Rating:	
✓ RTP 2035 Const	ained	Identified in STIP			

### Project Name: Dredge Oregon Repower

Map ID:	40 Time Frame (Years): 5 years	ars Total Cost:	\$16,500,000
Project Type:	Marine	Year of Cost Estimate:	2010
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Replace and modernize controls, dredge pumps, d main engine, 2 auxiliary generator engines all powe	bredge State:	\$5,000,000
	diesel. Replacement is anticipated to reduce fuel u 40% for a savings of 160-200K gallons of fuel durin	ig a City:	
	normal dredging season.	SDC:	
Purpose:	Repower the Dredge Oregon	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$11,500,000
RTP 2035 iliustra	ative Conditioned Project	Estimate Rating: 2b	
RTP 2035 Const	rained Identified in STIP		

### Project Name: Berth Deepening 401

Map ID:	41 <b>Time Frame (Years):</b> 5 years	Totai Cost:	\$3,000,000
Project Type:	Marine	Year of Cost Estimate:	
<b>Operation Area</b>	Priority Map	Federai:	
Project Description:	Deepen berths at Terminals 4 to allow deeper draft vessels to transit the planned 43 foot channel.	State:	
		City:	
During a set	Allow better utilization of panamax-class bulk vessels.	SDC:	
Purpose: All		Port Share Committed:	
JDE NUM:	100863	Port Share Forecasted:	
RTP Related:		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$3,000,000
RTP 2035 Illustra	Conditioned Project	Estimate Rating:	
RTP 2035 Const	ained Identified in STIP		

## Project Name: Swigert Way Extension

Map ID:	42 Time Frame (Years): 5 years	Total Cost:	\$2,500,000
Project Type:	Road	Year of Cost Estimate:	2008
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Extend Swigert Way from it existing terminus to Graham Road.	State:	
		City:	
Dumpere	La construction de la construction De de	SDC:	
Purpose: Improve access to Troutdale Reynolds Industrial Park.		Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>	11231	Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:	\$2,500,000
RTP 2035 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Const	rained V Identified In STIP		

### Project Name: Graham Road Phase I

Map ID:	43 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$5,000,000
Project Type:	Road	Year of Cost Estimate:	2009
Operation Area	Priority Map	Federal:	
Project Description:	Reconstruct and/or widen Graham Road along Troutdale Reynolds Industrial Park frontage.	State:	
		City:	
Dumperer		SDC:	
Purpose:	Improve access to Troutdale Reynolds Industrial Park Phase 2.	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>	11232	Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Regional Leadership in Industrial Lands	Unfunded:	\$5,000,000
RTP 2035 illustra	tive Conditioned Project E	stimate Rating:	
RTP 2035 Constr	ained Identified in STIP		

### Project Name: Graham Road Phase II

Map ID: 44 Time Frame (Years): 5 years	s Total Cost:	\$8,500,000
Project Type: Road	Year of Cost Estimate:	2009
Operation Area Priority Map	Federai:	
Project Description: Reconstruct and/or widen Graham Road along Troute Reynolds Industrial Park frontage.	dale State:	
	City:	
Rumpers	SDC:	
2.	Port Share Committed:	
JDE NUM:	Port Share Forecasted:	
RTP Related: 11130	Private:	
Recent Study:	Other:	
Port Strategic Area: Regional Leadership in Industrial Lands	Unfunded:	\$8,500,000
RTP 2035 Illustrative Conditioned Project	Estimate Rating:	
RTP 2035 Constrained Identified in STIP		

## Project Name: Regional Rail Master Plan

Map ID:	45 Time Frame (Years): 5 years	Total Cost:	\$200,000
Project Type:	Rail	Year of Cost Estimate:	
Operation Area	Priority Map	Federal:	
Project Description:	Conduct a rail study to determine Port and regional freigh rail needs.	t State:	
		City:	
Purpose:	To determine rail projects necessary to support economic	SDC:	
c	development in the region.	Port Share Committed:	\$200,000
JDE NUM:		Port Share	
<b>RTP Related:</b>		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	
RTP 2035 Iliustra	tive Conditioned Project	<b>Estimate Rating:</b>	
RTP 2035 Constr	alned identified in STIP		

## Project Name: South Runway Rehabilitation

Map ID:	46 <b>Time Frame (Years):</b> 5 years	<b>Total Cost:</b>	\$85,000,000
Project Type:	Aviation	Year of Cost Estimate:	2008
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Remove and replace the existing top layer of asphalt pavement and strengthen/reconstruct the pavement sectio	n State:	
	where necessary. Replace the arresting cable system at each end of the runway to meet current Department of	City:	
	Defense standards	SDC:	
Purpose:	Rehabilitate the existing pavement surface to preserve the operational use of the runway.	Port Share Committed:	
JDE NUM:	700108	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$85,000,000
RTP 2035 illustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	alned Identified in STIP		

### Project Name: Upper Deck Cargo Loader

Map ID:	47 Time Frame (Years): 5 years	Total Cost:	\$750,000
Project Type:	Aviation	Year of Cost Estimate:	2009
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Purchase main deck loader, similar to an FMC60, and a tail stand that can accommodate a 747 aircraft.	State:	
		City:	
Purpose:	This equipment ourchase will help to ensure PDX can	SDC:	
	continue to accommodate large widebody freighter operations, eg., 747F's at the airport		
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$750,000
RTP 2035 Illustra	tive Conditioned Project E	Estimate Rating:	
RTP 2035 Constr	ained Identified In STIP		

### Project Name: HIO Runway 12-30 Threshold Rehabilitation

Map ID:	48 Time Frame (Years): 5 years	Total Cost:	\$1,600,000
Project Type:	Aviation	Year of Cost Estimate:	2010
<b>Operation Area</b>	Priority Map	Federai:	\$1,100,000
Project Description:	Mill and inlay an 80' x 2000' portion of the runway 30 touchdown zone where surface cracking threatens to	State:	
	become a limiting factor on the use of the primary runway at HIO.	City:	
Purpose:	Preserve runway 12/30 pavement until a complete runway	SDC:	
	reconstruction.	Port Share Committed:	
JDE NUM:	101305	Port Share	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$500,000
RTP 2035 illustra	tive Conditioned Project Es	stimate Rating:	
RTP 2035 Constr	alned Identified in STIP		

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

Map iD:	49 Time Frame (Years): 5 years	Total Cost:	\$9,100,000
Project Type:	Aviation	Year of Cost Estimate:	2010
<b>Operation Area</b>	Priority Map	Federal:	
Project Description:	Reconstruct existing 150' x 5400' runway; narrow to 100' wide, relocated/reconstruct edge lighting, construct	State:	
	required drainage improvements.	City:	
Purpose:	Project identified in 2004 TTD Master Plan	SDC:	
		Port Share Committed:	
JDE NUM:	101039	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$9,100,000
RTP 2035 illustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained identified in STIP		

## Project Name: HIO Wash Racks

Map ID: 50 Time Frame (Years	s): 5 years Total Cost:	\$551,250
Project Type: Aviation	Year of Cost Estimate:	2010
Operation Area Priority Map	Federal:	
Project Description: Construct new wash racks for tenant a washing with pollution control system	and itinerant aircraft <b>State:</b>	
out of storm system.	City:	
Purnose: Improve environmental performance a	SDC:	
	Port Share Committed:	
JDE NUM: 100646	Port Share Forecasted:	
RTP Related:	Private:	
Recent Study:	Other:	
Port Strategic Area: Retain and Grow Key Services	Unfunded:	\$551,250
RTP 2035 Illustrative Conditioned Proje	Estimate Rating:	
RTP 2035 Constrained Identified in STIP		

V

#### PRIORITY PROJECTS

### Project Name: TTD Rehabilitate Taxiway A

Map ID:	51 Time Frame (Years): 5 years	Total Cost:	<b>\$5,000,0</b> 00
Project Type:	Aviation	Year of Cost Estimate:	2010
<b>Operation Area</b>	Priority Map	Federai:	
Project Description:	Rehabilitation of full-length parallel taxiway A including lighting and markings.	State:	
		City:	
		SDC:	
<b>Purpose:</b> Project recommended in 2004 Master Plan and verified by Port assessment of pavement condition and expected remaining life.		Port Share Committed:	
JDE NUM:	101038	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$5,000,000
RTP 2035 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained Identified in STIP		

### Project Name: HIO Relocate Charlie Pattern Landing Site

Map ID: 52	2 Time Frame (Years): 5 years	Totai Cost:	\$1,325,000
Project Type: Avi	ation	Year of Cost Estimate:	2008
Operation Area Pri	iority Map	Federal:	
Project Description: Co	onstruct a new landing site for helicopters that use the harlie flight pattern at HIO.	State:	
		City:	
Burneset		SDC:	
ov	Port Share Committed:		
<b>JDE NUM:</b> 10	1032	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area: Re	etain and Grow Key Services	Unfunded:	\$1,325,000
RTP 2035 Illustrative	e Conditioned Project	Estimate Rating:	
RTP 2035 Constrain	identified in STIP		

### Project Name: HIO Construct East Access Road

Map ID:	53 Time Frame (Years): 5 years	Total Cost:	\$1,886,560
Project Type:	Aviation	Year of Cost Estimate:	2008
<b>Operation Area</b>	Priority Map	Federai:	
Project Description:	Construct a new public access point and tenant utilities o the east side of runway 12L/30R at HIO.	<sup>n</sup> State:	
		City:	
Purnose	Future tenant development will require landside	SDC:	
infrastructure to support its operation.		Port Share Committed:	
JDE NUM:	101235	Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area	Retain and Grow Key Services	Unfunded:	\$1,886,560
RTP 2035 Illustra	ative Conditioned Project	Estimate Rating:	
RTP 2035 Const	rained identified in STIP		

### Project Name: HIO Reconstruct Runway 2/20, Construct Taxiway Extension

Map ID: 5	54 Time Frame (Years): 5 y	vears Total Cost:	\$15,391,050
Project Type: A	Aviation	Year of Cost Estimate:	200 <b>5</b>
Operation Area	Priority Map	Federal:	
Project Description: F	Reconstruct and shift the runway thresholds. Ext taxiway at the ends of B & C.	state:	
		City:	
Durneget		SDC:	
<b>Purpose:</b> Reconstruct runway 2/20 pavements which will be past the end of their useful life.		Port Share Committed:	
JDE NUM: 1	101025	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$15,391,050
RTP 2035 Illustrati	Ive Conditioned Project	Estimate Rating:	
RTP 2035 Constra	ined identified in STIP		

### Project Name: HIO Relocate Taxiway AA

Map ID:	55 <b>Time Frame (Years):</b> 5 years	Total Cost:	\$4,700,000
Project Type:	Aviation	Year of Cost Estimate:	2009
Operation Area	Priority Map	Federal:	
Project Description:	Reconstruct a new taxiway AA.	State:	
		City:	
Burnoso:	Poplage evicting technology AA with a population with the	SDC:	
Fulpose.	appropriate design separation from taxiway A. Constru- perimeter road extension between taxiway AA and exist tenant ramps.	ting Committed:	
JDE NUM:	101030	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$4,700,000
RTP 2035 illustra	tive Conditioned Project	Estimate Rating:	
BTP 2035 Constr	ained Identified in STIP		

### Project Name: HIO Relocate Taxiway C

Map iD:	56 Time Frame (Years): 5 years	Total Cost:	\$15,391,050
Project Type:	Aviation	Year of Cost Estimate:	2010
Operation Area	Priority Map	Federal:	
Project Description:	Taxiways C & CC parallel Runway 2-20 providing light aircraft access to the SW airfield. Per the 2005 Master Plan	State:	
	the project replaces old taxiways with a new taxiway, and complies with the B-II runway taxiway separation	City:	
	requirements.	SDC:	
Purpose:	Consistent with the recommendations of the 2005 HIO Airport Master Plan.	Port Share Committed:	
JDE NUM:	101026	Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	<b>\$15</b> ,391,050
RTP 2035 lilustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained Identified in STIP		

## Project Name: HIO Taxiway to NW Corporate Center

Map ID: 57 Time Frame (Years): 5 years	Total Cost:	\$1,050,000
Project Type: Aviation	Year of Cost Estimate:	2009
Operation Area Priority Map	Federal:	
Project Description: Construct a taxiway to serve new tenant leasehold development.	State:	
	City:	
Purpose: New tenant development in the area behind the HIO ATCT	SDC:	
will require airside infrastructure.	Port Share Committed:	
JDE NUM: 100657	Port Share	
RTP Related:	Porecasted: Private:	
Recent Study:	Other:	
Port Strategic Area: Retain and Grow Key Services	Unfunded:	\$1,050,000
RTP 2035 Illustrative       Conditioned Project         RTP 2035 Constrained       Identified in STIP	Estimate Rating:	

## Project Name: HIO Construct Runway 12L/30R

Map ID:	58 Time Frame (Years): 5 years	<b>Total Cost:</b>	\$6,455,000
Project Type:	Aviation	Year of Cost	2010
<b>Operation Area</b>	Priority Map	Estimate.	2010
Project Description:	Construct a new 0.0001 B 4	rederal:	
Project Description.	runway (12R-30L) for use by light GA aircraft. Extensive	State:	
	planning enort required including environmental assessment.	City:	
Purpose: Relieves existing and future concession at the airport.		SDC:	
		Port Share Committed:	
JDE NUM:	100548	Port Share	
RTP Related		Forecasted:	
		Private:	
Recent Study:		Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$6,455,000
RTP 2035 Illustra	Conditioned Project	Estimate Rating:	
RTP 2035 Constru	ained Identified in STIP		



### HILLSBORO AREA PROJECTS

## Project Name: Brookwood Parkway/Hwy 26 Interchange Improvements

Map ID:	59 Time Frame (Years): 5 years	Total Cost:	\$45,000,000
Project Type:	Road	Year of Cost Estimate:	2009
Operation Area	Hillsboro	Federal:	
Project Description:	Construct a new westbound to southbound loop ramp a the interchange to serve Brookwood Parkway. Realign a	at State:	\$45,000,000
	relocate nearby local roads.	City:	
Purpose:	Improve access to HIO and area industry	SDC:	
	Port Share Committed:		
JDE NUM:		Port Share	
<b>RTP Related:</b>	11178	Private:	
<b>Recent Study:</b>		Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	
RTP 2035 illustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained Identified in STIP		



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

Map ID:	: 60 <b>1</b>	Time Frame (Years): 5 years	Total Cost:	\$1, <b>000,0</b> 00
Project Type:	Rail		Year of Cost	2007
<b>Operation Area</b>	PDX/PIC		Esumate:	2007
Droject Deceription		<i>9</i> -	Federal:	
Project Description:	If feasible, elir alternate road	ninate the at-grade crossing and improve way access.	State:	
			City:	
Purpose:	Improve Kenton Mainline operation and eliminate a modal conflict.		SDC:	
			Port Share	
			Committed:	
JDE NUM:			Port Share	
RTD Related	10224		Forecasted:	
nir neidteu.	10334		Private:	
Recent Study:			Other:	
Port Strategic Area:	Regional Lead	dership in Transportation	Unfunded:	\$1,000,000
✓ RTP 2035 illustra	itive	Conditioned Project	stimate Rating:	
RTP 2035 Constr	rained	identified in STIP		

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

Map ID:	61 Time F	rame (Years):	20 years	<b>Total Cost:</b>	\$15,000,000
Project Type:	Road			Year of Cost	2003
<b>Operation Area</b>	PDX/PIC			Federai:	2000
Project Description:	Widen Columbia Blvd.	nbia Blvd. to five lanes.		State:	
				City:	
Purpose:	ddress system hottleneck along Columbia Blyd		a Blud	SDC:	
				Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>	10376			Private:	
Recent Study:	East Columbia-Lombar Transportation Analysis	d Connector Study (2000)		Other:	
Port Strategic Area:	Regional Leadership in	Transportation		Unfunded:	\$15,000,000
🖌 RTP 2035 Illustrat	live	Conditioned Proj	ect Est	imate Rating:	
RTP 2035 Constra	alned	identified in STIP			

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

Map ID:	62 <b>Time</b>	Frame (Years):	5 years	Total Cost:		
Project Type:	Other			Year of Cost Estimate:		
<b>Operation Area</b>	PDX/PIC			Federal		
Project Description:	Implement strategies reduce auto trips in t	at PDX and PIC propertine airport area. Program	ies that is to be	State:		
	undertaken with othe maximize effectivene transportation manag	r area businesses/develo ss; possible administrati jement association.	opers to on through a	City:		
Purpose:	Fulfill TDM requireme TDM projects and pro Alternative Modes Ste	ulfill TDM requirements of PDX Master Plan. Implement DM projects and programs recommended in the PDX Internative Modes Study.				
JDE NUM:				Port Share		
<b>RTP Related:</b>	10380			Private:		
Recent Study:	PDX Employee TDM	Program Study (2002)		Other:		
Port Strategic Area:	Regional Leadership	in Transportation		Unfunded:		
RTP 2035 Iliustra	tive	Conditioned Projec	t Est	timate Rating:		
RTP 2035 Constr	ained	identified in STIP				

## Project Name: PIC Ped/Bike Network

Map ID:	63 Time F	rame (Years):	10 years	Totai Cost:	\$1,163,835
Project Type:	Bike/Ped			Year of Cost	2007
<b>Operation Area</b>	PDX/PIC			Estimate.	2007
Droject Decemention	_			Federal:	
Project Description:	Construct bike and pe CS/PIC Plan District.	destrian facilities as	shown in the	State:	
				City:	
Durposo				SDC:	
Furpose.	Improve bike/ped circl	uiation in PIC.		Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>	10368			Private:	
Recent Study:	East Airport Area Ped.	& Bike Study(1999)		Other:	
Port Strategic Area:	Regional Leadership	n Industrial Land		Unfunded:	\$1,163,835
RTP 2035 Illustra	tive	<b>Conditioned Proj</b>	lect E	stimate Rating: 3c	
RTP 2035 Constr	ained	identified in STIP	•		

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

Map iD:	64 <b>Tim</b>	e Frame (Years):	10 years	Totai Cost:	\$158,000,000
Project Type:	Road			Year of Cost Estimate:	2007
<b>Operation Area</b>	PDX/PIC			Federai:	
<b>Project Description:</b>	Construct orade-s	separated overcrossing.		r ederali	
				State:	
				City:	
Purpose:	Provide efficient m	novement of traffic to PD	SDC:		
			r properties.	Port Share Committed:	
JDE NUM:				Port Share	\$158,000,000
<b>RTP Related:</b>	10362			Private:	
<b>Recent Study:</b>	Airport Futures Tra	ansportation Impact Stud	ly (2010)	Other:	
Port Strategic Area:	Retain and Grow	Key Services		Unfunded:	
RTP 2035 liiustra	itive	Conditioned Pro	ject	Estimate Rating: 30	•
RTP 2035 Constr	alned	Identified in STIF	2		

### Project Name: I-205 Auxiliary Lane NB

Map iD:	65 Time F	Frame (Years): 20 years	Total Cost:	\$5,775,000
Project Type:	Road		Year of Cost Estimate:	
<b>Operation Area</b>	PDX/PIC		Federai:	
<b>Project Description:</b>	New auxiliary lane fro	m I-84 to I-205 NB before Columb	ia ou u	
	Blvd.		State:	
			City:	
Purpose:	Provide additional ca	pacity for anticipated growth in are	SDC:	
r arpooo.	traffic.	pacity for anticipated growth in are	Port Share Committed:	
JDE NUM:			Port Share Forecasted:	
<b>RTP Related:</b>			Private:	
Recent Study:	Airport Area Transp. S	Study (1998)	Other:	
Port Strategic Area:	Regional Leadership	in Transportation	Unfunded:	\$5,775,000
RTP 2035 illustra	itive	Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained 🗸	identified in STIP		

## Project Name: I-205 Auxiliary Lane SB

Map ID:	66 <b>т</b>	ime Fra	ame (Ye	ars):	20	years	<b>Total Cost:</b>	\$23,100,000
Project Type:	Road						Year of Cost	
<b>Operation Area</b>	PDX/PIC						Estimate.	
Project Description					~ .		receral:	
Project Description:	New I-205 auxi	iliary lane	from Airpo	ort Way to	o Coli	umbia Blvd	State:	
							City:	
Purpose:	Provide additic	nal cana	city for ant	icinated	d growth in L 205	SDC:		
	corridor.				un in 1-200	Port Share Committed:		
JDE NUM:							Port Share	
<b>RTP Related:</b>							Private:	
Recent Study:	Airport Area Tra	ansp. Stu	dy (1998)				Other:	
Port Strategic Area:	Regional Lead	ership in	Transporta	ition			Unfunded:	\$23,100,000
RTP 2035 illustra	tive		Condition	ned Proj	ject	E	stimate Rating:	2 T
RTP 2035 Constr	ained	✓	identified	in STIF	•			

## Project Name: SW Quad Access

Map iD:	67	Time Frame (Years): 10 years	Total Cost:	\$5,917,500
Project Type:	Road		Year of Cost	2007
<b>Operation Area</b>	PDX/PIC		Federal:	
Project Description:	Provide stre	et access from 33rd Ave. into SW Quad.	State:	
			City:	
Purpose:	Provide effic	cient movement of traffic to developing PDX	SDC:	
	properties.		Port Share Committed:	
JDE NUM:	100757		Port Share Forecasted:	
<b>RTP Related:</b>	10363		Private:	
Recent Study:	PDX Condit	ional Use Master Plan (2003)	Other:	
Port Strategic Area:	Regional Le	adership in Industrial Land	Unfunded:	\$5, <b>9</b> 17,500
RTP 2035 illustrat	tive	Conditioned Project	Estimate Rating: 3c	
RTP 2035 Constra	alned	identified in STIP		

#### Project Name: Airport Way Braided Ramps

Map ID:	68 Time Frame (Years): 20 years	Total Cost:	\$59,000,000
Project Type:	Road	Year of Cost	0007
Operation Area	PDX/PIC	Estimate:	2007
Droject Description		Federal:	
Project Description:	and Cascade Interchange.	ge State:	
		City:	
Burnose	Maintain solaty and appeality of Airport Way and	SDC:	
Fulpose.	interchanges.	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
RTP Related:	10371	Private:	
Recent Study:	PDX Airport Way ROW Concept (1999)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$59,000,000
RTP 2035 illustra	tive Conditioned Project	Estimate Rating: 3c	
RTP 2035 Const	ained Identified in STIP		
Project Name:	Alternative Fuels Station		
Map ID:	69 Time Frame (Years): 5 years	Total Cost:	\$1,000,000
Project Type:	Other	Year of Cost Estimate:	2001
Operation Area	PDX/PIC	Federal:	
Project Description:	Construct a PDX alternative fuels station.	State:	
		City:	
Damesee	Design of the second little for the late is the form	SDC:	
Purpose:	Provide refueling capabilities for both landside (public CNG vehicles. Encourage airport businesses to conve fleets to CNG to improve air quality.	Port Share Committed:	

 JDE NUM:
 Port Share

 RTP Related:
 Forecasted:

 Recent Study:
 Other:

 Port Strategic Area: Portwide Environmental Strategy
 Unfunded:
 \$1,000,000

 RTP 2035 Illustrative
 Conditioned Project
 Estimate Rating: 3c

RTP 2035 Constrained

identified In STIP

### Project Name: SW Quad Drainage Improvements

Map ID:	Time Frame (Years): 5 years	Total Cost:	\$2,500,000
Project Type:	Other	Year of Cost Estimate:	2008
<b>Operation Area</b>	PDX/PIC	Federai:	
Project Description:	Drainage improvements in SW Quad through modifications to the existing drainage channels and	State:	
	increasing the capacity of the Broadmoor Pump Station	City:	
Purpose	Provide additional capacity for anticipated growth in	SDC:	
i alpoool	passenger traffic.	Port Share Committed:	
JDE NUM:	: 101268	Port Share Forecasted:	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area	Regional Leadership in Industrial Land	Unfunded:	\$2,500,000
RTP 2035 Illustra	ative Conditioned Project	Estimate Rating:	
RTP 2035 Const	rained Identified in STIP		

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

Map ID:	71 <b>T</b> i	me Frame (Yea	rs):	10 years	Total Cost:	\$2,835,000
Project Type:	Road				Year of Cost Estimate:	2010
<b>Operation Area</b>	PDX/PIC				Federai:	
Project Description:	Add New Lane				State:	
					City:	
Burnasa	Duovido odditio	nal according for antiqu	nated	grouth in	SDC:	
<b>Purpose:</b> Provide additional capacity for anticipated growth in passenger traffic.				growin in	Port Share Committed:	
JDE NUM:	101228				Port Share Forecasted:	\$2, <b>835</b> ,000
<b>RTP Related:</b>					Private:	
<b>Recent Study:</b>	PDX Airport Ful	ures Master Plan			Other:	
Port Strategic Area:	Retain and Gro	w Key Services			Unfunded:	
RTP 2035 illustra	itive	Conditione	d Pro	ject	Estimate Rating:	
RTP 2035 Constr	alned	identified in	n STil	Þ		

### Project Name: Deplaning Curbside Roadway Lanes

Map ID:	72	Time Frame (Years):	20 years	Total Cost:	\$2,976,000	
Project Type:	Road			Year of Cost Estimate:	2010	
<b>Operation Area</b>	PDX/PIC			Federai:		
Project Description:	Add New La	ane		State:		
				City:		
Purnose:	Provido ado	litional capacity for anticipated	growth in	SDC:		
Turpose.	passenger l	growthin	Port Share Committed:			
JDE NUM:	101467			Port Share Forecasted:	<b>\$</b> 2,976,000	
<b>RTP Related:</b>				Private:		
<b>Recent Study:</b>	PDX Airport	Futures Master Plan		Other:		
Port Strategic Area:	Retain and	Grow Key Services		Unfunded:		
RTP 2035 illustra	tive	Conditioned Pro	oject	Estimate Rating:		
RTP 2035 Constr	ained	Identified in STI	P			

### Project Name: Deplaning Curbside Roadway Loading

Map iD:	73 <b>Time</b>	Frame (Years): 20	years Total Cost:	\$324,000
Project Type:	Road		Year of Cost Estimate:	2010
Operation Area	PDX/PIC		Federal:	
Project Description:	Add New Lane		State:	
			City:	
Purnose:	Provide additional of	capacity for anticipated growt	SDC:	
i dipose.	passenger traffic.	Port Share Committed:		
JDE NUM:	101468		Port Share Forecasted:	\$324,000
<b>RTP Related:</b>			Private:	
Recent Study:	PDX Airport Futures	Other:		
Port Strategic Area:	Retain and Grow K	ey Services	Unfunded:	
RTP 2035 illustra	tive	Conditioned Project	Estimate Rating:	
RTP 2035 Constr	alned	Identified in STIP		

## Project Name: Airport Way Westbound Approaching Return Road

Map iD:	74 <b>1</b>	ime Frame (Y	'ears):	20 years	Totai Cost:	\$1,080,000
Project Type:	Road				Year of Cost Estimate:	2010
<b>Operation Area</b>	PDX/PIC				Federai	(*)
<b>Project Description:</b>	Add New Lan	e			r caeran	
					State:	
					City:	
Burnoso	Designation of states		1.00		SDC:	
<b>Purpose:</b> Provide additional capacity for anticipated growth in passenger traffic.				growth in	Port Share Committed:	
JDE NUM:	101471				Port Share	\$1, <b>0</b> 80,000
<b>RTP Related:</b>					Private:	
<b>Recent Study:</b>	PDX Airport Fu	utures Master Plan			Other:	
Port Strategic Area:	Retain and Gr	ow Key Services			Unfunded:	
RTP 2035 illustra	tive	Conditio	oned Proj	ject	Estimate Rating:	
RTP 2035 Constra	ained	identifie	ed in STiP	•		

## Project Name: Terminal Exit Roadway at P. O. Curves

Map iD:	75 <b>Time</b>	Frame (Years):	10 years	Total Cost:	\$1,250,000
Project Type:	Road			Year of Cost	2010
<b>Operation Area</b>	PDX/PIC			Estimate:	2010
Project Description:	Add New Lane			Federal:	
rioject Description.	Add New Lane		State:		
			City:		
Purpose:	Provide additional capacity for anticipated growth in passenger traffic.			SDC:	
				Port Share Committed:	
JDE NUM:	101472			Port Share	\$1,250.000
RTP Related:			Private:	• 1	
Recent Study: PDX Airport Futures Master Plan				Other	
				etheri	
Port Strategic Area: Retain and Grow Key Services				Unfunded:	
RTP 2035 Illustra	tive	Conditioned Pro	ject	Estimate Rating:	
RTP 2035 Constra	ained	Identified In STIF	<b>,</b>		

2011 Port Transportation Improvement Plan

### PDX/PIC AREA PROJECTS

# Project Name: Terminal Exit Roadway at Parking Plaza

Map ID:	76 ·	Time Frame (Years):	20 years	Total Cost:	\$1,104,000
Project Type:	Road			Year of Cost	
<b>Operation Area</b>	PDX/PIC			Estimate:	2010
Project Description:	Add New Lens			Federal:	
	Add New Lan	State:			
				City:	
Purpose: Provide additional capacity for anticipated growth in			SDC:		
	passenger tra	ffic.	Port Share Committed:		
JDE NUM:	101473		Port Share		
<b>RTP Related:</b>	Forecasted: Private:	\$1,104,000			
Recent Study:	Other:				
Port Strategic Area:	Unfunded:				
RTP 2035 Illustrat	lve	Conditioned Pro	ject	Estimate Rating:	
RTP 2035 Constra	alned	Identified in STIF	5	Ũ	


# Project Name: Terminal 6 Container Dock Extension

Map iD:	: 77	Time Frame (Years):	15 years	Total Cost:	\$19,500,000
Project Type:	Marine			Year of Cost Estimate:	
Operation Area	Rivergate			Federal:	
<b>Project Description:</b>	Extend Bert	th 605 upstream by 600 feet or	more.	Chatas	
				State:	
				City:	
Purpose:	l enothen th	ae herth to preserve Terminal 6	as a three-berth	SDC:	
	facility capa	able of handling longer vessels.		Port Share Committed:	
JDE NUM:	100359			Port Share	
<b>RTP Related:</b>				Forecasted:	
Recent Study:				Private:	
necent olduy.				Other:	
Port Strategic Area:	Retain and	Grow Key Services		Unfunded:	\$19,500,000
RTP 2035 Illustra	ative	Conditioned Pro	ject Es	stimate Rating:	
RTP 2035 Constr	rained	Identified in STIF	<b>b</b>		
Project Name:	North P	ortland Junction			

Map ID:	78 Time Frame (Years): 10 years	Total Cost:	\$9,160,000
Project Type:	Rail	Year of Cost Estimate:	2003
<b>Operation Area</b>	Rivergate	Federai:	
Project Description:	Upgrade railroad with revised crossovers, centralized traffic control tie-in and increased turning radius.	State:	
		City:	
Purnose	Accommodate higher roll speeds at the junction which	SDC:	
1 4.9000.	provides greater capacity.	Port Share Committed:	
JDE NUM:		Port Share	
<b>RTP Related:</b>		Private:	
<b>Recent Study:</b>	I-5 Rail Capacity Study (HDR, 2003)	Other:	
Port Strategic Area:	Regional Leadership in Transportation	Unfunded:	<b>\$</b> 9,16 <b>0</b> ,000
RTP 2035 Illustra	tive Conditioned Project	Estimate Rating:	
RTP 2035 Constr	ained identified in STIP		

## Project Name: I-5 Columbia River Crossing

Map iD:	79 <b>Time</b>	Frame (Years):	10 years	Total Cost:	<b>\$2,982,000,00</b> 0
Project Type:	Road			Year of Cost Estimate:	2002
<b>Operation Area</b>	Rivergate			Federai:	
Project Description:	Increase the numbe across the river.	of lanes and add tra	nsit capacity	State:	
				City:	
Burnoso	Innenne multi mede		SDC:		
Fulpose.	and relieve congestion.			Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>	10893			Private:	
<b>Recent Study:</b>	I-5 Transportation ar Strategic Plan (2002	d Trade Partnership I	Final	Other:	
Port Strategic Area:	Regional Leadership	in Transportation		Unfunded:	\$2,982,000,000
RTP 2035 Illustra	tive	Conditioned Pro	oject E	stimate Rating:	
RTP 2035 Constr	ained	Identified in STI	Ρ		

## Project Name: Terminal 6 Internal Overcrossing

Map ID:	80 Time Frame (Years): 5 years	rs Totai Cost:	\$3,649,084
Project Type:	Road	Year of Cost Estimate:	2006
Operation Area	Rivergate	Federal:	
Project Description:	Construct a rail overcrossing at Terminal 6.	State:	
		City:	
Burnoso	Increase officiant management for spit and Terminal C	SDC:	
Furpose.	increase enicient movement for rail and Terminal 6	Port Share Committed:	
JDE NUM:	100324	Port Share Forecasted:	\$3,649,084
<b>RTP Related:</b>	10378	Private:	
Recent Study:	Marine Terminal Master Plan 2020 (2003)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	
✓ RTP 2035 illustra	tive Conditioned Project	Estimate Rating: 2b	
RTP 2035 Constr	ained Identified In STIP		

Project Name: West Hayden Island Bridge and Access Rd.

tai Cost:	\$99,258,000
of Cost	
istimate:	2007
Federal:	
State:	
City:	
SDC:	
t Share nmitted:	
t Share	
Casted:	
Other:	
funded:	\$99,258,000
Rating:	
R	ating:

	02 Time Fi	rame (Years):	20 years	Totai Cost:	\$3,000,000
Project Type:	Rail			Year of Cost Estimate	
<b>Operation Area</b>	Rivergate			Eounate.	
Project Description:	Pail access to support	Most Heudes Island		Federal:	
· · · · · · · · · · · · · · · · · · ·		west hayden island	a development.	State:	
				City:	
Purpose:	Advance rail-dependent development.			SDC:	
				Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>				Private	
Recent Study:	West Havden Island Ba	ail Access Feasibility	Study	r nvate.	
	(1994)	and toology in casionity	Study	Other:	
Port Strategic Area:	Regional Leadership in	Industrial Land		Unfunded:	\$3,000,000
RTP 2035 Illustra	tive	Conditioned Proj	ect Es	timate Rating:	
RTP 2035 Constra	ained	identified in STIP	,		

## Project Name: West Hayden Island Rail Yard

Map ID: 83	Time Frame (Years): 20 years	s Total Cost:	<b>\$9,500,000</b>
Project Type: Rail		Year of Cost Estimate:	
Operation Area Riverg	gate	Federai:	
Project Description: Seven	track rail yard connected to facility trackage.	State:	
		City:	
Durmooo, t	SDC:		
Purpose: Advar	Port Share Committed:		
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>		Private:	
Recent Study: West (1994)	Hayden Island Rail Access Feasibility Study )	Other:	
Port Strategic Area: Regio	nal Leadership in Industrial Lands	Unfunded:	\$9,500,000
✓ RTP 2035 Illustrative	Conditioned Project	Estimate Rating:	
✓ RTP 2035 Constrained	Identified in STIP		

## Project Name: St. Johns Pedestrian District

Map ID:	84 <b>T</b>	ime Fra	me (Year	s):	5 years	Total Cost:	\$5,000,000
Project Type:	Road					Year of Cost Estimate:	2005
Operation Area	Rivergate					Federai:	\$1,013,788
Project Description:	Improvements and other ped	could incluestrian and	ude restripin bicycle ame	g, curb enities	o extensions on Lombar	d State:	
	St. that do not intersection im	impede tru	ick moveme is and signal	nt, as v lization	well as	City:	\$116,033
Purpose:	Maintain truck	movomoni		70.000	flicte with	SDC:	
bicycles and pedestrians between Philadelphia Ave. and Lombard St. at Pier Park.			d Port Share Committed:				
JDE NUM:						Port Share Forecasted:	
<b>RTP Related:</b>	10182					Private:	
Recent Study:	St. Johns Truc (2001)	k Strategy	Report & Re	comm	endation	Other:	
Port Strategic Area:	Regional Lead	dership in T	ransportatio	n		Unfunded:	\$3,870,179
RTP 2035 illustra	tive		Conditioned	d Proje	ect	Estimate Rating:	
RTP 2035 Constr	alned		dentified in	STIP			

## Project Name: T6 Rail Support Yard Improvements

Map iD:	85 Time Frame (Years): 10 years	Total Cost:	\$10,000,000
Project Type:	Rail	Year of Cost Estimate:	
Operation Area	Rivergate	Federal:	
Project Description:	Construct an additional 6,800 feet of arrival/departure track and 8,500 feet of storage track.	State:	
		City:	
Purnose	Increase Terminal 6 rail especify	SDC:	
ruipose.	increase reminar o rair capacity.	Port Share Committed:	
JDE NUM:		Port Share Forecasted:	
<b>RTP Related:</b>	11357	Private:	
<b>Recent Study:</b>	Mainline Management Terminal 6 Rail Study (2006)	Other:	
Port Strategic Area:	Retain and Grow Key Services	Unfunded:	\$10,000,000
RTP 2035 illustra	tive Conditioned Project Es	stimate Rating: 30	
A DTD 0005 Consta	ained identified in STIP		

Map ID: 86 Time Frame (Years): 5 years	Total Cost:	\$1,445,000
Project Type: Road	Year of Cost Estimate:	2004
Operation Area Rivergate	Federai:	
Project Description: Upgrade structure.	State:	\$1,445,000
	City:	
Durness' Declars the bridge with a clob on grade to climinate	SDC:	
weight restrictions.	Port Share Committed:	
JDE NUM:	Port Share	
RTP Related:	Private:	
Recent Study:	Other:	
Port Strategic Area: Regional Leadership in Transportation	Unfunded:	
RTP 2035 Illustrative Conditioned Project	Estimate Rating:	
RTP 2035 Constrained Identified in STIP		

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

Map ID:	87 <b>Tim</b>	e Frame (Years):	5 years	Total Cost:	\$1,214,000
Project Type:	Road			Year of Cost Estimate:	2006
Operation Area	Rivergate			Federai:	
Project Description: Redesign could include realignment of travel lanes, channelization, signalization, signing or new sidewalks and			vel lanes, w sidewalks and	State:	\$538,380
	curbs.		City:		
Burnose:	Deinforce through	touch mousements on oth		SDC:	
<b>Purpose:</b> Reinforce through truck movements on minor and major truck streets (Portland Rd. and Columbia Blvd. respectively), minimizing neighborhood cut-through traffic.			Port Share Committed:		
JDE NUM:				Port Share	
<b>RTP Related:</b>	10229			Private:	
Recent Study:	St. Johns Truck St (2001)	arategy Report & Recomm	nendation	Other:	
Port Strategic Area:	Regional Leaders	hip in Transportation		Unfunded:	\$675,620
<ul><li>✓ RTP 2035 Illustra</li><li>✓ RTP 2035 Constr</li></ul>	tive ained	Conditioned Pro	ject Es	timate Rating:	

## Project Name: North Burgard/Lombard Street Improvements

Map iD:	88 <b>T</b> ii	me Frame (Years):	5 years	Total Cost:	<b>\$14,588,00</b> 0
Project Type:	Road			Year of Cost Estimate:	2009
<b>Operation Area</b>	Rivergate			Federal:	
Project Description:	Widen Burgard from UPRR bridg	to 3 Lanes with bike lanes ge to Columbia.	and sidewalks	State:	
				City:	
Purpose:	Improve freight (	mobility, safety and industr	ial site access	SDC:	
1 410000	improve neight i	mobility, safety and industr		Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>	10218			Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Leade	rship in Transportation		Unfunded:	\$14,588,000
RTP 2035 Illustra	tive	Conditioned Pro	ject E	stimate Rating:	
RTP 2035 Constr	ained	identified in STI	•		

2011 Port Transportation Improvement Plan

### **RIVERGATE AREA PROJECTS**

# Project Name: Terminal 6 Replace Cranes 6378, 6374, and 6375

Map iD:	: 89 <b>1</b>	ïme Frame (Y	'ears):	10 years	Total Cost:	\$30,000,000
Project Type:	Marine				Year of Cost Estimate:	
Operation Area	Rivergate				Federal	
<b>Project Description:</b>	Acquire two p	ost-panamax crane	es in additi	ion to Crane	i ederal.	
	#6381.				State:	
					City:	
Purpose:	Provide a two-berth post-panamax vessel capability at				SDC:	
	Terminal 6.			sapaointy at	Port Share Committed:	
JDE NUM:	100365				Port Share	
<b>RTP Related:</b>					Forecasted: Private:	
<b>Recent Study:</b>					Other:	
Port Strategic Area:	Retain and Gro	ow Key Services			Unfunded:	<b>\$30</b> ,000,00 <b>0</b>
RTP 2035 Illustra	tive	Conditio	oned Proj	ect	Estimate Rating:	
RTP 2035 Constru	ained	identifie	d in STIP			
Project Name:	Willamette	e River Deep	pening			

Map ID:	90 Time F	Frame (Years): 10 years	Total Cost:	\$200,000,000
Project Type:	Marine		Year of Cost Estimate:	
<b>Operation Area</b>	Rivergate		Esderal:	
Project Description	Deeper the next and	- A Mar A APRIL - I A A A A A A A A A A A A A A A A A A	rederal:	
roject beschption.	infrastructure to -43' v	of the Willamette River with deep dr where appropriate.	State:	
			City:	
Purpose:	To allow Willamette R	iver terminals to also benefit from th	SDC:	
	Columbia River's new	controlling depth.	Port Share Committed:	
JDE NUM:			Port Share	
<b>RTP Related:</b>	Forecasted:			
			Private:	
Recent Study:			Other:	
Port Strategic Area:	Regional Leadership i	in Transportation	Unfunded:	\$200,000,000
RTP 2035 iliustra	tive	<b>Conditioned Project</b>	Estimate Rating:	
RTP 2035 Constru	ained	Identified in STIP		

10

### **RIVERGATE AREA PROJECTS**

# Project Name: Terminal 6 Honda Rail Extension

Map ID	:91 Time Frame (Years): 10 years	Total Cost:	\$1,000,000
Project Type:	Marine	Year of Cost Estimate:	2009
Operation Area	Rivergate	Federal:	
Project Description:	Extend current rail yard in order to provide more capacity for current tenants.	State:	
		City:	
Burnose	Canacity improvements for current tenants	SDC:	
. arpoot	· Capacity improvements for current tenants.	Port Share Committed:	
JDE NUM:	: 100323	Port Share	
RTP Related:		Private:	
Recent Study:		Other:	
Port Strategic Area	Retain and Grow Key Services	Unfunded:	\$1,000,000
RTP 2035 Illustra RTP 2035 Const	ative Conditioned Project Ex rained identified in STIP	stimate Rating: 3c	

# Project Name: Columbia River Anchorage Improvements

Map ID:	92 <b>Tim</b>	e Fr	rame (Years):	5 years	Total Cost:	\$2,342,000
Project Type:	Marine				Year of Cost	
<b>Operation Area</b>	Rivergate				Estimate:	2009
Dustant Dust tot					Federai:	\$1,728,500
Project Description:	Placement of up to anchorages up an	o sev 1d do	en stern buoys at di wn the Columbia Riv	fferent ver.	State:	
					City:	
<b>Purpose:</b> Allow for the anchorage of ships in the river rather then at					SDC:	
terminals that could otherwise be loading/unloading cargo.				Port Share Committed:		
JDE NUM:					Port Share	\$153,400
<b>RTP Related:</b>					Private:	-
Recent Study:	Feasibility Study U	Inder	way		Other:	\$460,100.00
Port Strategic Area:	Regional Leaders	hip in	Transportation		Unfunded:	
RTP 2035 iliustra	tive		Conditioned Proj	ect Est	timate Rating: 3c	
RTP 2035 Constr	ained		identified In STIP			



### TROUTDALE AREA PROJECTS

## Project Name: 257th Interchange at I-84 Improvement

Map iD:	93 <b>1</b>	Time Frame (Years):	10 years	<b>Total Cost:</b>	\$9,400,000
Project Type:	Road			Year of Cost Estimate:	2006
<b>Operation Area</b>	Troutdale/TRI	Þ		Federal:	
Project Description:	Improve functi Construct "bac	ion of split diamond intercha ckage road" or other improve	nge at 257th ement	State:	
				City:	
Purpose:	Improve access from north and south of the interchance to			SDC:	
	I-84.		ie meionange te	Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>	10863			Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Lead	lership in Transportation		Unfunded:	\$9,400,000
RTP 2035 illustra	tive	Conditioned Pro	ject Es	stimate Rating:	
RTP 2035 Constru	ained	<ul> <li>Identified in STIF</li> </ul>	2		

# Project Name: Sandy Blvd. Widening to 4 lanes

Map iD:	94 <b>Time</b>	Frame (Years):	10 years	<b>Total Cost:</b>	\$10,000,000
Project Type:	Road			Year of Cost Estimate:	
<b>Operation Area</b>	Troutdale/TRIP			Endoral	
Project Description	Condu Divid vilatori to	d lange and senters.		reueiai.	
Froject Description.	202nd) with sidewalk	s and bike lanes.	im lane (181st-	State:	
	Improve east west canacity and serve developing			City:	
Purpose:				SDC:	
industrial property.				Port Share	
				Committed:	
JDE NUM:			Port Share		
<b>RTP Related:</b>	10443			Private:	
Recent Study:				Other:	
Port Strategic Area:	Regional Leadership	in Transportation		Unfunded:	\$10,000,000
RTP 2035 Illustra	itive	Conditioned Pro	ject Es	timate Rating:	
RTP 2035 Constr	alned	Identified in STIP	)		

### TROUTDALE AREA PROJECTS

# Project Name: Riverside Drive Extension

Map ID	: 95	Time Frame (Years):	5 years	Total Cost:	\$10,975,110
Project Type:	Road			Year of Cost	
<b>Operation Area</b>	Troutdale/T	RIP		Estimate:	
Project Description	Riverside D	r. Extension (190th) to Sandy E	Blvd.): improve to	Federal:	
	collector sta	andards.		State:	
				City:	
Purpose	: Serve devel	oping industrial parcels.		SDC:	
				Port Share Committed:	
JDE NUM	:			Port Share	
<b>RTP Related</b>	10515			Forecasted:	
Recent Study				Othor:	
					•••••********
Port Strategic Area	Regional Le	adership in Transportation	_	Unfundea:	\$10,975,110
✓ RTP 2035 Illustr	ative	Conditioned Pro	ject Es	timate Rating:	
L RIP 2035 Consi	rained	Identified in STI			
Project Name:	Sandy E	Blvd. Widening to 3 l	anes		
Map ID:	96	Time Frame (Years):	10 years	Total Cost:	\$7,438,000
Project Type:	Road			Year of Cost	
<b>Operation Area</b>	Troutdale/TP	RIP		Estimate.	
Project Description:	Sandy Blvd.	widen to 3 lanes (207th to 238	th), add	rederal:	
	sidewalks ar	nd bike lanes.		State:	
				City:	
Purpose:	Improve easi	t west capacity and serve adia	cent developina	SDC:	
	industrial pro	pperty.		Port Share	

 JDE NUM:
 Port Share

 RTP Related: 10399
 Private:

 Recent Study:
 Other:

 Port Strategic Area: Regional Leadership in Transportation
 Unfunded: \$7

 RTP 2035 Illustrative
 Conditioned Project
 Estimate Rating:

 RTP 2035 Constrained
 Identified in STIP

\$7,438,000



### T2/SWAN ISLAND AREA PROJECTS

## Project Name: North Willamette Greenway Trail

Map ID:	97 Time Fr	ame (Years):	20 years	<b>Total Cost:</b>	\$500,000
Project Type:	Bike/Ped			Year of Cost Estimate:	2007
<b>Operation Area</b>	T2/Swan Island			Federal:	
Project Description:	Pedestrian and bicycle Steel Bridge along the	It Park to the ne money	State:		
	associated for this proj	ect is for a study on	City:		
Purnose.	Improve perfection and biovale connectivity in North			SDC:	
Purpose: Improve pedestrian and bicycle connectivity in North Portland.				Port Share Committed:	
JDE NUM:				Port Share Forecasted:	
<b>RTP Related:</b>	10355			Private:	
<b>Recent Study:</b>				Other:	
Port Strategic Area:	Regional Leadership in	Transportation		Unfunded:	\$500,000
RTP 2035 Illustra	ative	Conditioned Pro	ject	Estimate Rating:	
RTP 2035 Const	rained	Identified in STIF	>		

### Project Name: Going St. Rail-Overcrossing Improvement

Map ID:	98 <b>Time</b>	Frame (Ye	ears):	5 years	<b>Total Cost:</b>	\$4,000,000
Project Type:	Road				Year of Cost Estimate:	
<b>Operation Area</b>	T2/Swan Island				Federal:	
Project Description:	Seismic Retrofit				State:	\$4,000,000
					City:	
Burness	Minimize dels of coll					
<b>Furpose:</b> Minimize risk of collapse of structure during traffic entering and exiting Swan Island.				earinquake ior	Port Share Committed:	
JDE NUM:					Port Share	
RTP Related:	10178				Private:	
Recent Study:	Swan Island Transp	ortation Analy	rsis (1995)		Other:	
Port Strategic Area	Regional Leadershi	p in Transport	tation		Unfunded:	
RTP 2035 illustra	ative	Conditio	oned Proje	ct Est	timate Rating:	
RTP 2035 Const	rained	Identifie	d in STIP			

### T2/SWAN ISLAND AREA PROJECTS

# Project Name: Graham Line Connection

Map iD:	99 <b>Time</b>	Frame (Years):	5 years	Total Cost:	\$15,000,000
Project Type:	Rail			Year of Cost	0000
<b>Operation Area</b>	T2/Swan Island			Estimate:	2006
Decident Deceminations				Federal:	
Project Description:	This project will cre Graham Line, which	ate a new track connection runs parallel with I-84 to	ion between the hrough	State:	
	line through Portlan	d the Brooklyn Sub, UP's Id.	s north-south	City:	
Purpose:	This connection will	allow UP rail traffic ente	rino Portland	SDC:	
	from the east to turn Graham Line. This j system capacity.	n south onto the Brookly project will eliminate dela	n Sub from the ay and increase	Port Share Committed:	
JDE NUM:				Port Share	
<b>RTP Related:</b>				Private:	
Recent Study:	I-5 Rail Capacity Stu	udy (HDR, 2003)		Other:	
Port Strategic Area:	Regional Leadershi	p in Transportation		Unfunded:	\$15,000,000
RTP 2035 Illustra	tive	Conditioned Proje	ect Est	timate Rating:	
RTP 2035 Constru	ained	Identified in STIP			