

Three Year Capital Project List

**Projects of interest - Yellow**

- Airport Futures Implementation Items
- Potential for Impacts Off-Airport or beyond Plan District Boundaries
- Major Program Updates
- Innovative/Cutting Edge Projects

**Plan District Public Contact Requirement - Orange**

- Proposed development greater than 10,000 square feet
- Proposed development exceeds \$500,000

**Asset Development** - Development of new assets

**Asset Preservation** - Rehabilitations and upgrades to existing assets

**Customer Service** - Development that provides a service or enhancement for our customers

**Efficiency** - Development that promotes efficiency for business

**Regulatory** - Required by external agency, requirement, etc.

**Revenue Growth** - Development that promotes additional revenue for business

**Vehicles/Equipment** - Vehicle & equipment to support the operations and business

**Proposed Funding** - P=Port, A= Airline, F=Federal Grant Funding, S=State Grant Funding

**Projects already in the implementation phase (Detail Design)**

Project Name	Project Number	Project Description	Project Cost Estimate	Project Duration	Asset Development	Asset Preservation	Customer Service	Efficiency	Regulatory	Revenue Growth	Vehicles/Equipment	Proposed Funding
<b>2012</b>												
Police Records Mgmt Sys Up	101734	Replace and upgrade the police records system	353,100	2012-2015		X	X	X	X			A/P
Pub Safety&Security Garage Exp	101586	Construct a storage building approximately 172' long by 60' deep with 11 vehicle bays and rollup doors including electricity, heating and plumbing, charged air and ventilated storage areas	2,633,000	2012-2015	X							A/P

**Estimated total for 2012**

**2,986,100**

Cost is indicative of currently active projects, not entire 2012 capital

**2013**

Replace Access Control System	101004	Removal of existing micronode Access Control equipment and infrastructure for both terminal and airfield, replace with Multinode equipment and infrastructure	41,200,000	2013-2017		X		X	X		X	A/F
Common Use Gate Improvements 2012	101823	Installation of new style millwork at 6 existing Port Common use gates, some of which do not have millwork currently	2,540,129	2013 - 2015	X		X	X		X		A
Parallel Existing Emergency Generatrs	101182	Replace program logic control for power distribution	1,910,000	2013-2016	X		X	X			X	A/P
Terminal Grease Seperator	102022	Seperation of sanitary and grease systems in the terminal core to meet new City Code	5,300,000	2013-2015					X			A
Rent a car Quick Turn Around	101468	Relocate and expand the quick turn around area for the rental cars	60,000,000	2013-2016		X	X	X		X		P
Economy Lot E-Zone Convrnsn	101936	Convert the economy lot ezone from cottonwoods to a native habitat type that will not encroach into the critical airspace and be less attractive to wildlife	631,500	2013-2015								A
ARFF Fire Alrm Sys Imprv 13/14	101919	Upgrade the equipment used by the fire department during airport emergencies	231,725	2013-2015			X	X	X		X	A/P
McBride Slough Invest/Cleanup	820037	Investigation and cleanup of historical contamination in McBride Slough located behind PDX Maintenance	3,020,000	2013-2017			X					A/P
Govt. Island Grassland Mit-Ph1	101572	Phase 1 (50 acres) of project to mitigate for 300 acres of upland grassland resources	502,100	2013-2019				X				P
PDX Cargo Center Ex. Rehab	101982	Rehabilitate exterior of PDX Cargo Center including replacing roof drains, rehab of roll up door, replace windows and roof on west building	1,930,000	2013-2015	X	X	X					P
PDX Energy Conservation	101781	Energy conservation projects in Port buildings (except Terminal)	980,000	2013-2020				X				P
Term Carpet Replace Program	101594	Replace carpet throughout the terminal	12,710,000	2013-2018	X	X	X					A
Skylights Rehab Program	101666	Replace and upgrade skylights throughout terminal	3,110,000	2013-2016		X	X	X				A
FIS Improvement Project	101828	Aesthetic and operational improvements to the FIS Area to improve experience for international travelers as well as security for Customs and Border Patrol	940,000	2013-2016			X	X				A
Consolidate Badging and Training	101870	Consolidation of security badging and training office in the Terminal	945,000	2013-2015			X	X				A/P
ORANG Parcel C Modifications	101979	Modifications to Parcel C located at Oregon Air National Guard	2,500,000	2013-2017		X	X	X				P
TW E North & Exits Rehab	101053	Rehabilitate taxiway E and exits	15,330,000	2013-2016		X						A/F
Mt. Hood Avenue Ramps	100878	Reconstruct access roads leading to Mt. Hood Avenue Bridge	5,798,000	2013 - 2015		X	X	X				P
Taxiway T-K Centerline Lights	101195	Replacement of Taxiway T-K Centerline lights	3,830,000	2013-2016		X		X	X			A/F

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			<b>Estimated total for 2013</b>	<b>163,408,454</b>	Cost is indicative of currently active projects, not entire 2013 capital							
<b>2014</b>												
RepairNEElrodRdDitchCrossings	101576	Remove 3 culverted ditch crossings and replace with 2 bridges in SW Quad	225,000	2014-2015		X	X		X			P
PDXNext Terminal Balancing	101888	Improvements to the terminal to allow more balanced use of the facilities by the airlines	98,000,000	2014-2017	X	X	X	X		X		A
PostSecurity Concessions Redev	100977	Redevelop concessions areas post security checkpoints	20,200,000	2014-2016	X		X	X		X		A
Revenue Control System Upgrade	101185	Upgrade entire revenue control system including software and equipment	2,500,000	2014-2015		X						P
Airfield Signage Replacement	101861	Replace airfield guidance signs as required to preserve the safe and efficient movement of aircraft and ground vehicles to comply with FAA requirements	309,000	2014-2016		X	X	X	X			A
Economy Lot Rehabilitation	101771	Rehabilitation of bus lanes and shelters in the Economy parking lot	6,081,960	2014-2016		X						P
Deicing Plant Condensate Tank	101875	Install Condensate tank at Deicing plant	115,000	2014-2015	X							A
Economy Exit Plaza Rehab 14/15	101935	Rehabilitate the exit plaza at the economy lot	1,500,000	2014-2016		X	X	X				P
PDXNext Concourses Grease Separation	101857	Separation of sanitary and grease systems in the terminal concourses to meet new City Code	7,700,000	2014-2018					X			A
East Landside SW Enhancements	102168	Install a Stormfilter stormwater treatment vault to treat 23.87 acres of underserved areas of PDX Drainage Basin 8 in conformance with Port of Portland Stormwater Design Standards	1,000,000	2014-2016					X			P
PDXNext - Ticket Lobby Exitways	102023	Separate entering & exiting passenger flows at the checkpoint and increase terminal circulation, passenger operations, and align with Terminal Master Plan	11,270,000	2014-2016			X	X				A
T1612 HVAC Improvement	102196	Replace HVAC system in IT room in Terminal building.	362,000	2014-2015		X	X	X				A
CCD West HVAC Replace	102202	Replace/install HVAC unit to create more efficient airflow at the west end of Concourse D	13,000,000	2014-2016	X		X	X				A
Term Substation Upgrade	101181	Replace or upgrade substation USM1 from a single-ended substation to a double-ended substation to provide reliable electrical power to Concourse A, Concourse B, and the South Terminal area	4,000,000	2014-2017	X	X	X	X				A
Cully Feeder Upgrade	810064	Reimbursable agreement with Pacific Power to cover the costs for Pacific Power to rebuild a portion of their overhead Cully power line service to PDX	260,000	2014			X	X				A
Rental Car Center Carpet Replacement	102223	Replacement of carpet in the Rental Car Center	370,000	2014-2015		X						P
International Arrivals Bus Canopies	102224	Installation of new canopies at the International Arrivals bus area	565,000	2014-2015	X		X					A
PDXNext Terminal Infrastructure	101899	Construction of network rooms and installation of IT infrastructure	3,110,000	2014-2016	X							A
CUP VFD Replacement	102194	Replace variable frequency drive in the Central Utility Plant	585,000	2014-2015		X		X				A/P
IT EQ APC Kiosk Install	102246	Purchase and installation of Automated Passport Control kiosks in international arrivals	450,000	2014-2015	X		X	X				A
CUP Emergency Fuel System Improvements	102234	Installation of fuel leak detection and interlocks to automatically shut down fuel transfer between fuel storage tanks in the event of leak, fire or seismic event	227,500	2014-2015	X							A/P
Air Cargo Road Rehabilitation	101778	Rehabilitation of Air Cargo Road	2,000,000	2014-2016		X						P
Revenue Control Space Modifications	102165	Remodeling of space in PDX Cargo Center for relocation of the Revenue Control System Maintenance staff	905,000	2014-2015	X							P
7303 Roof and HVAC Replacements	102164	Replacement of the roof and HVAC systems on Building 7303	402,600	2014-2015		X						P
ReplaceTerminalDefibrillators	100990	Replacement of degibrillators in the terminal	100,000	2014-2015		X	X	X			X	A/P
CUP Add Chilled Water Capacity	101433	Installation of 2000 ton chiller in the Central Utility Plant to meet cooling demand in terminal	9,100,000	2014-2017	X		X	X				A/P
IT Communication Center Renewal	102011	Upgrade and renewal of the Communication Center	2,020,000	2014-2015		X						A/P

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DD GA West Redevelop Ph 1	102161	Prepare the western portion of the General Aviation (GA) area at PDX for redevelopment for business aviation. Work includes demolition of Hangars F, G, 8025 and 8015 and infill of ramp between the GA Ramp and the NE Ramp	4,300,000	2014-2015	X					X		P/S

Estimated total for 2014 190,658,060

2015

PDXNext Terminal Core Ticket Lobby	102191	Reconfigure/refurbish terminal core ticket lobby to improve operations	60,000,000	2015-2019			X	X				A
PDX Building 8007 Demolition	810065	Demolition of Building 8007 damaged from car accident	55,000	2015								P
North Node Skylight Roofing	102303	Overlay of roofing onto the northern section of skylights to mitigate leaks in the North Node area of the Terminal	550,000	2015		X						A
T/C Stormwater Pipe and Outfall Install	102231	Installation of new stormwater pipe for drainage between McBride Slough and Columbia Slough to replace nearly 80 year old pipe	5,250,000	2015-2017	X							A/P
Compressed Natural Gas Backup Pump	101439	Provide backup compressed natural gas compressor and dispenser to fuel the PDX CNG bus fleet in the event of a failure to the Primary CNG fueling system to ensure uninterrupted supply for the shuttle bus fleet	1,007,000	2015-2017		X		X			X	P/F
Runway 3-21 RSA	102277	Installation of stormwater infrastructure and re-grading of the south Runway 3-21 safety area to eliminate potential ponding and wildlife attractants	2,525,000	2015-2018					X			A/F
PDXNext IT Terminal Audio Improvements	102007	Upgrade of audio paging system in the terminal	5,350,000	2015-2018		X						A
Port Headquarter AV System Replacement	101303	Replace audio visual equipment at Port Headquarters	300,000	2015		X	X				X	P
Rehab Deicing Pumps	101996	Rehabilitate deicing pumps around airport with a programmatic approach	500,000	2015-2018		X	X	X	X			A
Deicing Plant WL Mitigation	102155	Provide landscaping at the Deicing Plant to deter Canada geese from congregating and posing a safety hazard to aircraft operations.	50,000	2015					X			A
Replace 6 2006 Shuttle Buses	100690	Replace 6 2006 parking shuttle buses	3,200,000	2015-2016								P/F
CCC New Freight Elevator	102108	Install new freight elevator on Concourse C for concession tenants	1,950,000	2015-2016	X		X	X		X		A
Terminal Replace Hot Water Exchangers	102278	Replacement of two steam domestic water heat exchangers with four energy efficient electric hot water heaters	805,000	2015-2016		X		X				A
Fire Department Entry Road Rehab	100756	Rehabilitate the road off Marine Drive leading into the Fire Station.	250,000	2015-2016		X	X	X				P
IT EQ Term Monitors Replace	102018	Replace the monitors located in the terminal	2,224,000	2015-2017			X				X	A
IT Power Monitoring System Upgrade	101995	Software to equalize and monitor power usage	100,000	2015	X		X	X				A
IT EQ IVR Upgrade	102198	Interactive Voice Recording system upgrade	75,000	2015							X	A
IT PDX Network Core Upgrade	102010	Upgrade central network equipment (CORE) at the terminal	500,000	2015-2016							X	A
IT EQ Term EOC AV Upgrade	102201	Upgrade audio/visual equipment in the terminal Emergency Operations Center	75,000	2015							X	A/P
IT EQ HQ Video Conferencing Upgrades	102286	Upgrade video conferencing capabilities that Port Headquarters building	150,000	2015-2016				X				P
Replace/Upgrade Police Handguns	101001	Replace and upgrade of police handguns	35,000	2015		X	X	X	X		X	A/P
Concourse E Roof Rehab	101726	Rehabilitate the roof and membrane on Concourse E	758,000	2015 - 2017		X						A
P1 Parking Structure Helix Rehabilitation	102261	Rehabilitation of parking helixes and installation of a cathodic protection system	4,360,000	2015-2017		X						P
Replace Thermal Imaging Cameras	100992	Replace cameras used for thermal imaging	45,000	2015-2016		X	X	X	X		X	A/P
P1 Automated Parking Guidance System Sensor Replacement	102258	Upgrade the single-space APGS sensors in the Short Term Garage.	2,600,000	2015-2018		X						P
NE Airport Way Reconstruction	102228	Reconstruction Airport Way east of NE 82nd Avenue	13,700,000	2015-2018		X	X					P
Basin 2 Det Pond WL Deterrent	101922	Reduce wildlife hazards on the airfield by making the Basin 2 Detention Pond a less attractive feature to birds	70,000	2015-2016					X			A
Northside SrvcCntrRdvlopment	102170	Redevelopment of the rental car properties north of Airport Way	50,000,000	2015-2019	X		X	X		X		P
IT GRE Equip Upgrade	101949	Upgrade software and equipment at the Ground Run Up Facility at PDX	500,000	2015-2016		X	X	X				A
MX Alderwood Pump Station Replacement	102295	Replace existing wastewater pump station with a new pump station of comparable capacity in accordance with all applicable BES standards	2,000,000	2015-2018		X						A/P

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EV Charging Stations Install	102294	Installation of 24 Level 1 charging stations within the P1 & P2 parking garages	445,000	2015-2017	X							P
PDXNext Terminal Seat Power	102190	Installation of power outlets at seating in select holdrooms	900,000	2015-2016			X					A
MX Equipment Program 15/16	102285	Replacement of equipment used by PDX Maintenance.	700,000	2015-2016							X	A/P
Loading Bridge CCB/D2 Replacements	101529	Replacement of loading bridges at Concourse B and gate D2	6,800,000	2015-2017		X		X				A/F
Replace Rescue Ambulance	100987	Replace rescue ambulance	500,000	2015-2016							X	A/P
Port Headquarter Public Display Replacement	101317	Replace monitors for the public display system at the Port Headquarter building	45,000	2015-2016		X	X	X			X	P

Estimated total for 2015 **168,374,000**

2016

Master Plan Roadway Terminal Exit	101472	Addition of lane on outbound Airport Way near parking exit plaza area.	1,500,000	2016-2018			X	X				P
PDXNext Terminal Core North Node Redevelopment	102290	Conceptual scope, budget and timing for second phase of terminal core redevelopment including the north checkpoint (Concourses D & E) and post-security concessions node - Under study	125,000,000	2016-2022	X		X	X				A
Master Plan Widen Airport Way Outbound East of 82nd	101228	Addition of lane on outbound Airport Way east of NE 82nd Avenue	3,335,000	2016-2018	X		X					P
Airfield Lighting Emergency Generator Replacement	102160	Replacement of emergency backup generator for Airfield lighting	1,000,000	2016-2017		X						A/P
Concourse D Ext Roof Rehab	102324	Rehabilitate the roof and membrane on Concourse D	1,940,000	2016 - 2018		X						A
Maintenance Roof Replacement	101537	Replace the roof on building 7111 located at maintenance facility	1,564,000	2016 - 2018		X		X				A/P
MX 7111 HVAC Replacement	101536	Replace the HVAC unit located in the maintenance facility building 7111	3,000,000	2016-2018	X		X	X				A/P
Basin 6 Det Pond WL Deterrent	101923	Reduce wildlife hazards on the airfield by making the Basin 6 Detention Pond a less attractive feature to birds	110,000	2016-2017					X			A
IT Term Advertising Infra Imp	102189	Install infrastructure and pull power/data lines in support of new advertising agency	950,000	2016-2018	X		X	X		X		A
Perimeter Road Rehabilitation	101994	Rehabilitate portions of the perimeter road at PDX that need to be replaced in accordance with our pavement management program	3,700,000	2016-2019		X	X	X				A
PDXNext Energy Conservation Program - Terminal	102199	Execution of energy conservation measures at the Terminal (some measures likely implemented as part of larger projects)	8,625,000	2016-2022				X				A
MX Covered Waste Mgmt Area	101578	Cover the waste management area to comply with Environmental permits and regulations	615,000	2016-2018	X		X	X	X			A/P
MX Seismic Upgrade	100508	Seismic upgrade is needed in the maintenance facility to meet building code	2,186,000	2016-2018	X	X			X			A/P
Deicing Dilute Detention Pond Liner	101570	Replace the pond liner to ensure that the deicing system operates as designed and no deicing fluids escape into the ground water	2,400,000	2016-2018		X	X	X	X			A
Deicing System Updates and Rehab	101175	Updates and enhancements to the deicing system	6,080,000	2016-2018		X		X				A
Force Avenue Tree Bank	101938	Develop the Force Avenue site (near the Vanport wetland mitigation site) for a tree mitigation bank to mitigate for impacts to trees under City of Portland code	625,000	2016-2023								P
Hangar H Roof Replace	101490	Replace the roof on Hangar H	507,000	2016-2017	X	X	X			X		P
Hangar 8005 - Roof Replace	101487	Replace the roof on Hangar 8005	381,100	2016-2017	X	X	X			X		P
Hangar H and K Hangar Doors	101956	Replace the Hangar Doors on Hangars H and K	275,000	2016-2017	X	X	X			X		P
Reconstruct Airtrans Way	101944	Reconstruct the pavement on Airtrans Way	3,000,000	2016-2018	X	X	X	X				P
Rehabilitate Aircraft Services International Group Road	102184	Rehabilitate Aircraft Services International Group Road	280,000	2016-2018		X						P
Rehabilitate Courier Court Road	102183	Rehabilitate Courier Court Road	1,000,000	2016-2018		X						P
IT HQ WiFi Upgrade	101307	Upgrade the WiFi software that support headquarters building	300,000	2016-2017			X	X				P
IT HQ CCTV Upgrade	101316	Upgrade the Closed Circuit TV system located at the headquarters building	210,000	2016-2017		X	X	X				P
Rental Car QTA Demolition	102259	Demolition of the existing quick-turn-around rental car facility after new facility is operational and conversion of are to other use	1,727,000	2016-2018	X		X	X				P
PDXNext IT Camera System Improvements	102009	Improvements to the CCTV camera system in the terminal	4,230,000	2016-2019		X						A
P1 Alarm System Upgrade	101992	Fire alarm updrades in the rental car center in the P1 parking structure	385,950	2016-2017		X						P
PDX Parking CCTV Rehab	101991	Rehabilitation of the parking CCTV camera system	300,000	2016-2017		X						P
IT Terminal Wi-Fi Improvement	102021	Improvements to the terminal wi-fi system	2,000,000	2016-2018		X						A

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Replace Key and Lock System	101585	Replace keys and locks at PDX	600,000	2016-2019	X				X			A/P
Replace ARFF Apparatus T-85	100452	Replace ARFF response vehicle T-85	1,820,000	2016-2018							X	A/P
PDXNext Terminal Restroom Rehabilitation Phase 2	101546	Phase 2 of the restroom rehabilitations in the PDX terminal	6,300,000	2016-2018	X	X						A
Taxiway B Center and Exits Rehabilitation	101215	Rehabilitation of center section of Taxiway B and associated exits	17,800,000	2016-2019	X							A/F
PDX Central RON Construction	101213	Construction of a new central Remain Overnight aircraft parking ramp	30,200,000	2016-2021	X			X				A/F
Loading Bridge D10/D12/D13/D14/D15 Replacements	101533	Replacement of loading bridges at gates D10/D2/D13/D14/D15	8,500,000	2016-2018	X			X				A
Central Term Roof Rehab	101725	Rehabilitate the roof in the central terminal	1,790,000	2016-2018	X							A

Estimated total for 2016 244,236,050

2017

Master Plan Intersect Airtrans Cornfoot	101476	Signalization and improvements at the intersection of NE Airtrans Way and Cornfoot Rd.	396,000	2017-2019	X		X					P
Runway 3-21 & Taxiway M Rehab	100923	Rehabilitate Runway 3-21 and Taxiway M	30,000,000	2017-2021		X						A/F
PDXNext Terminal Core South Node Redevelopment	102290	Conceptual scope, budget and timing for third phase of terminal core redevelopment including the south checkpoint (Concourses A, B & C) and post-security concessions node - Under study	113,000,000	2017-2022	X		X	X				A
Rehab Maintenance Annex Parking	102182	Rehabilitate the parking located at the Annex building in the Maintenance Facility	125,000	2017-2018	X	X	X					P
PDXNext Energy Conservation Program - Central Utility Plant	102200	Execution of energy conservation measures at the Central Utility Plant	4,180,000	2017-2021				X				A/P
PIC Ditch Benching	101575	Bench approximately 5,000 linear feet of ditches and restore vegetative cover	1,600,000	2017-2018		X			X			P
PDX Pet Relief Area	102310	Improvements to pet relief areas adjacent to the terminal building	275,000	2017-2018								A
Construct Consolidated Rental Car Center	102171	Conceptual budget and timing for construction of a new Consolidated Rental Car Center for PDX - Under study	300,000,000	2017-2020	X		X				X	P
Vendor Inspection Relocation	102157	Relocation of inspection area for vendor deliveries	500,000	2017-2019	X							A
Upgrade Airport Way Digital Message Sign	102034	Upgrade display and software to digital message sign on Airport Way	925,000	2017-2018		X						P
PDXNext North Terminal Roof Rehabilitation	101727	Rehabilitate the roof and membrane on the northern portion of the terminal roof	4,177,000	2017-2018		X						A
Replace 6 2008 Shuttle Buses	101229	Replace 6 2006 parking shuttle buses	3,500,000	2017-2018							X	P

Estimated total for 2017 458,678,000