2016-2018 STIP Operations Allocation	$	15,759,000
Proposed Operations Project Amount	$	23,320,100
% List		148.0%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
OPERATIONS							
F-OP1	Full Signal Upgrade	OR10: SW 107th Ave.	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP2	Full Signal Upgrade	OR213: Burnside	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP4	Full Signal Upgrade	OR213: NE Wasco St. (Portland)	Signal is old and difficult/costly to maintain. The span is supported by a wood utility pole that can result in possible clearance issues.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP5	Full Signal Upgrade	OR213: SE Flavel (Portland)	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP6	Full Signal Upgrade	OR213: SE Foster	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP7	Full Signal Upgrade	OR213: SE Mill (Portland)	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP8	Full Signal Upgrade	OR213: SE Raymond	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP9	Full Signal Upgrade	OR213: SE Woodstock Blvd (Portland)	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP10	Full Signal Upgrade	OR213: SE Yamhill (Portland)	Signal is old and difficult/costly to maintain. The poles are leaning causing clearance issues. There are also possible ADA issues.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
F-OP11	Full Signal Upgrade	OR99E: @Harold	There is a clearance problem, and the poles have been damaged by turning trucks.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 300,000	F-PR7	E75
F-OP12	Full Signal Upgrade	TV Highway @ Cedar Hills Boulevard	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		E86
F-OP13	Full Signal Upgrade	US30 B (Lombard) at Chautauqua	Signal is old and difficult/costly to maintain. Old installation. Poles are leaning, Clearance issues. Less than 2' from curb. Possible ADA issues, 8/8/8 signal heads.	Upgrade signal to meet current structural standards. A basic package of signal equipment upgrades will provide a safety benefit to the traveling public (countdown ped heads, 12/12/12 LED signal heads, reflectorized signal head backboards and red light ex	$ 300,000		
F-OP14	Full Signal Upgrade	US30 B (Lombard) at Drummond	Signal is old and difficult/costly to maintain. Old installation. Poles are leaning, Clearance issues. Less than 2' from curb. Possible ADA issues, 12/8/8 signal heads.	Upgrade signal to meet current structural standards. A basic package of signal equipment upgrades will provide a safety benefit to the traveling public (countdown ped heads, 12/12/12 LED signal heads, reflectorized signal head backboards and red light ex	$ 300,000		
F-OP15	Full Signal Upgrade	US30 B (Lombard) at Greely	Signal is old and difficult/costly to maintain. Old installation. Poles are leaning, Clearance issues. Less than 2' from curb. Possible ADA issues, 12/8/8 signal heads.	Upgrade signal to meet current structural standards. A basic package of signal equipment upgrades will provide a safety benefit to the traveling public (countdown ped heads, 12/12/12 LED signal heads, reflectorized signal head backboards and red light ex	$ 300,000		
F-OP16	Full Signal Upgrade	US30 B (Lombard) at Wabash	Signal is old and difficult/costly to maintain. Old installation. Poles are leaning, Clearance issues. Less than 2' from curb. Possible ADA issues, 8/8/8 signal heads.	Upgrade signal to meet current structural standards. A basic package of signal equipment upgrades will provide a safety benefit to the traveling public (countdown ped heads, 12/12/12 LED signal heads, reflectorized signal head backboards and red light ex	$ 300,000		

2016-2018 STIP Operations Allocation	$ 15,759,000
Proposed Operations Project Amount	$ 23,320,100
% List	148.0%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
OPERATIONS							
F-OP17	Full Signal Upgrade	US30B (Lombard) at Delaware	Signal is old and difficult/costly to maintain. Old installation. Poles are leaning, Clearance issues. Less than 2' from curb. Possible ADA issues, 12/8/8 signal heads.	Upgrade signal to meet current structural standards. A basic package of signal equipment upgrades will provide a safety benefit to the traveling public (countdown ped heads, 12/12/12 LED signal heads, reflectorized signal head backboards and red light ex	$ 300,000		
F-OP18	Full Signal Upgrade	US30B (Lombard) at Denver	Signal is old and difficult/costly to maintain. Old installation. Poles are leaning, Clearance issues. Less than 2' from curb. Possible ADA issues, 12/8/8 signal heads.	Upgrade signal to meet current structural standards. A basic package of signal equipment upgrades will provide a safety benefit to the traveling public (countdown ped heads, 12/12/12 LED signal heads, reflectorized signal head backboards and red light ex	$ 300,000		
F-OP19	Full Signal Upgrade	US30B: NE 11th Ave. (Portland)	Signal is old and difficult/costly to maintain.	Upgrade signal to meet current standards to improve safety of the traveling public.	$ 450,000		
				Full Signal Grade Subtotal	$ 7,050,000		
F-OP20	Misc. Signal/ Beacon Upgrades	I-84: SE 207th (EB Off- Ramp)	Vehicle pedestal in island for the southbound-to-eastbound left-turn is in a location that is susceptible to being struck by vehicles.	Increase the durability and life span of this signal vehicle pedestal by moving it to a better location.	$ 30,000		
F-OP21	Misc. Signal/ Beacon Upgrades	OR10: at Jesuit HS	Signal heads are no longer standard and difficult and costly to maintain	Improve signal visability and driver recongnition of signal indications.	$ 60,000		
F-OP22	Misc. Signal/ Beacon Upgrades	OR141 (Hall Blvd): SW Locust St	Signal heads are no longer standard and are more difficult/costly to maintain.	Improve signal visibility and driver recognition of signal indications by increasing lens size from 8" to 12". Replacing signal heads also reduces maintenance efforts/costs and makes it easier to stock standard equipment.	$ 15,000		
F-OP23	Misc. Signal/ Beacon Upgrades	OR213: Macksburg Rd	Overhead flashing beacon is difficult/costly to maintain. Data has shown that motorists occasionally misinterpret the overhead beacons, leading to an increase in crashes over what is experienced at locations with advance warning beacons.	Replace old equipment with new ground-mounted flashers that have been shown to provide more clear information to motorists than the old overhead flashing beacon installations	$ 90,000	F-PR4	
F-OP24	Misc. Signal/ Beacon Upgrades	OR219: Spring	A flashing beacon may or may not be needed based on current use	If beacons are no longer needed at this location to warn for trucks, remove. If it cannot be removed, replace it with new equipment.	$ 90,000		
F-OP25	Misc. Signal/ Beacon Upgrades	OR224: Lake Rd. (EB Off-Ramp) (Milwaukie)	Old signal is hard to maintain, and 2 poles need to be replaced. The signals are outdated & do not meet current ODOT or federal standards	Replace signal poles to make signal easier/cheaper to maintain. Updating signal heads to larger lenses will make the signals more visible to motorists and may improve safety.	$ 262,500		E74
F-OP26	Misc. Signal/ Beacon Upgrades	OR43: I-205 SB On-Ramp (West Linn)	12/8/8 signal heads are no longer standard and are more difficult/costly to maintain. Illuminated signs are obsolute and can be replaced by aluminum signs (if any signs are still necessary). Aluminum signs require less maintenance and don't use power.	Improve signal visibility and driver recognition of signal indications by increasing lens size from 8" to 12". Reduce maintenance and power costs by eliminating illuminated signs.	$ 30,000	F-IM2	
F-OP27	Misc. Signal/ Beacon Upgrades	OR43: SW Radcliffe Rd. (SB Flasher)	Existing wood post-mounted flashing beacon is in a location that is susceptible to being struck by vehicles.	Increase the durability and life span of this flashing beacon by replacing it with a vehicle pedestal (metal pole) and moving it to a better location.	$ 30,000		E46
F-OP28	Misc. Signal/ Beacon Upgrades	OR8 (N Adair St.): N 10th St. (Cornelius)	The ped pole and base in the NW corner of the intersection are too high and need to be lowered.	Goal is to eliminate substandard equipment and reduce maintenance needs.	$ 22,500		

2016-2018 STIP Operations Allocation	$	15,759,000
Proposed Operations Project Amount	$	23,320,100
% List		148.0%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
OPERATIONS							
F-OP29	Misc. Signal/ Beacon Upgrades	OR8: SW Hall Blvd (Beaverton)	Signal heads are no longer standard and difficult and costly to maintain	Improve signal visability and driver recongnition of signal indications.	$ 22,500	F-SP7; F-SP12	E86
F-OP30	Misc. Signal/ Beacon Upgrades	OR8: SW Hocken	Signal heads are no longer standard and difficult and costly to maintain	Improve signal visability and driver recongnition of signal indications.	$ 22,500	F-SP11; F-SP12	E86
F-OP31	Misc. Signal/ Beacon Upgrades	OR8: SW Watson	Signal heads are no longer standard and difficult and costly to maintain	Improve signal visability and driver recongnition of signal indications.	$ 22,500	F-SP7; F-SP12	E86
				Misc. Signal/Beacon Upgrade Subtotal	$ 697,500		
F-OP32	Illumination	99E: Railroad Pedestrian Tunnel in Ore City	The pedestrian tunnel suffers from obsolete fixtures and poor electrical conditions creating poor visibility.	Install approximately 50 luminaries to reduce maintenance costs and increase electrical safety for maintenance personnel. Project will increase visibility in the tunnel, improving safety for public.	$ 75,600		E75
F-OP33	Illumination	I-5: Denver, NB Tunnel	Existing luminaries are non-functional, creating dark conditions in the tunnel. This is creating poor visibility into the tunnel from the outside.	Install 88 luminaries to bring tunnel lighting closer to current standards similar to the tunnels that have been re-done at the I-205/I-84 interchange. Improve visibility and safety.	$ 117,000		
F-OP34	Illumination	I-84: 122nd Underpass	Existing lighting poles are old and showing signs of corrosion.	Service and replace 12 fixtures to bring underpass lighting system up to current standard.	$ 200,000		
F-OP35	Illumination	I-84: Cascade Locks	Existing lighting poles are old and showing signs of corrosion.	Service and replace 35 fixtures to bring underpass lighting system up to current standard.	$ 650,000		
F-OP36	Illumination	OR 217: Beaverton Hillsdale Interchange	Poor electrical system conditions are a danger to maintenance personnel and the general public due to electrical faults and shorts. Poles are at end of life cycle, increases failure potential.	Install 20 poles and fixtures to reduce maintenance costs and bring illumination at the interchange up to current standards, improve electrical safety for maintenance personnel and the public.	$ 420,000		
F-OP37	Illumination	OR217: Allen and Denny Interchanges	The electrical system is old and showing signs of corrosion, creating potential unsafe conditions for maintenance personnel. Corrosion on poles could hasten pole failure, a danger to the public.	Install 44 poles and fixtures to bring existing lighting system up to current standards, improving visibility and safety to the public. Improve safety to maintenance personnel working on electrical system.	$ 910,000		E94
				Illumination Subtotal	$ 2,372,600		
F-OP38	Other Operations	Culvert Replacement Bucket	Region wide, culverts are damaged, corroded, or failing and are costly to maintain.	Funding will be provided to various projects through out the Region to address damaged and/or failing culverts within their project limits	$ 2,000,000	All Pres	
F-OP39	Other Operations	I-84: Farley Slide	Columbia River is eroding a long standing slide on I-84	Stabilize slide to reduce damage to I-84	$ 4,000,000		
F-OP40	Other Operations	LED Replacement Bucket	Existing LED are at the end of their useful life	Funding will be used to purchase LED's	$ 200,000		
F-OP41	Other Operations	OR212 @ N. Fork Deep Creek Culvert	Existing culverts are in poor shape and there have been several occasions when the water has flooded the highway causing it to close. This is a major oversized route for Motor Carrier too.	Replace existing culvert	$ 1,000,000	F-PR2	
F-OP42	Other Operations	Loop Replacement Bucket	Existing loops are old and not functioning correctly	Funding will be used to update loops	$ 500,000		
F-OP43	Other Operations	Misc. Hardware/Software Bucket	Software and Hardware needed for operating the various electronic devices and improving system management effectiveness	Funding will be provided to update hardware and software used by the region for TMOC operations and other systematic needs	$ 750,000		

2016-2018 STIP Operations Allocation	$	15,759,000
Proposed Operations Project Amount	$	23,320,100
% List		148.0%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
OPERATIONS							
F-OP44	Other Operations	Operations Quick Hit Reserve	Frequently, unanticipated needs are identified between STIP cycle updates	Funding will be used to fund unanticipated operational needs for the region during the 2016-2018 timeframe	$ 2,000,000		
F-OP45	Other Operations	Region 1 Striping Bucket	Highway striping replacement and upgrades	Funding will be provided to various projects though out the region to update or address striping needs	$ 750,000	All Pres	
F-OP46	Other Operations	Rockfall Scaling Project	Various locations region wide continue to have rockfalls onto the highway system, which disrupt or close highway traffic.	Project will provide scaling and rockfall mitigation at various sites region wide.	$ 2,000,000		
				Operation Buckets Subtotal	$ 13,200,000		
				OPERATIONS SUBTOTAL	$23,320,100		

ODOT REGION 1: Fix-it Project Listing (2016)

2016 STIP Safety Allocation	$	7,146,000
Proposed Safety Project Amount	$	15,450,000
% List		216.2%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
SAFETY							
F-SP1	Safety	OR10: Beaverton-Hillsdale: B-H Highway at Scholls Ferry & Oleson (signals)	5-way intersection with another 4-way (Oleson Rd) 0.3 mile west. Substandard geometry causes conflicts. Several accesses are just feet from the intersection.	Safety Improvements at SW Dogwood Lane	$ 200,000		E93
F-SP2	Safety	OR212, at location exit and entrance ramp with WB Mt Hood Highway (US26).	Stop control. The access across exit on south side creates conflicts.	Improve intersection signing for OR212 and US26, Striping changes, close westerly access to business on south side,	$ 200,000	F-PR2	
F-SP3	Safety	OR213: 82nd Avenue	Includes SE Francis St, SE Center St, SE Gladstone St, SE Boise St (signalized), SE Cora St, SE Holgate Blvd (signalized). / High percentage turning and rear end crashes along this segment. High number of access related turning crashes.	Intersection improvements, install median traffic separator to improve access related crashes, improve signing on mainline, improve crosswalk delineation at SE Holgate St.	$ 200,000		
F-SP4	Safety	OR213: 82nd Avenue Includes NE Couch St, E. Burnside St (signalized), SE Ash St, SE Pine St.	High percentage turning, rear end and ped crashes within this segment. Ped crashes concentrated @ E Burnside. Obsolete and/or lack of signing. Turning crashes may be contributed to high number of accesses.	Signal upgrade @ E. Burnside to current standards, install median traffic separator to improve access related crashes, improve signing on mainline.	$ 900,000		
F-SP5	Safety	OR213: 82nd Avenue includes SE Clay St, SE Market St, SE Mill St (signalized).	High percentage turning and rear end crashes concentrated at SE Mill St. Traffic signal at SE Mill St in very poor condition, missing backboards, misc. sized lenses, etc. Some turning crashes may be attributed to accesses.	Signal upgrade @ Mill, improve signing on mainline. Possible median traffic separator to improve access related crashes,	$ 900,000		
F-SP6	Safety	OR213: Includes leg from S. Union Mills Rd, S. Union Mills Rd, leg to S. Union Mills Rd.	High percentage turning crashes at all legs of intersection.	Install advance warning beacons, intersection geometric improvements.	$ 400,000		E54
F-SP7	Safety	OR8: TV Highway and Hall and Watson (signal)	Congested urban 5 lane signalized intersection with heavy bus traffic, business access problems.	Upgrade signal, sign improvements, other intersection improvements	$ 300,000	F-OP29: F-OP31	E87
F-SP8	Safety	OR8: TV Highway and SE 44th, SE 45th Ave (both unlit)	5 lane unsignalized ped crossing between 44th & 45th, business access issues.	Upgrade ped crossing to modern RRFB; improve visibility and delineation of crossing.	$ 150,000		E87
F-SP9	Safety	OR8: TV Highway and SW 170th (signal)	This site is at a skewed, signalized intersection in an urban high speed area, 5-6 lanes. Railroad nearby and bad roadside accesses	Upgrade signal, improve access management and alignments	$ 1,000,000	F-SP12	E87
F-SP10	Safety	OR8: TV Highway and SW 209th Ave (signal)	5-6 lane urban signalized intersection with a high volume of traffic, and business access problems.	Upgrade signal and intersection improvements	$ 1,000,000	F-SP12	E87
F-SP11	Safety	OR8: TV Highway and SW Hocken Ave (signal)	Urban highway, congested signalized intersection with a turn onto Farmington.	Full signal rebuild or upgrade heads (dependent on field review)	$ 500,000	F-OP30	E87
F-SP12	Safety	OR8: Tualatin Valley Highway (MP1.5-16.67)	Deficient signing, signals and striping at the following 40 potential locations: *Canyon Drive; SW 110th; OR217 Interchange; 115th *117th; Tri-Met Park & Ride/Lombard; Hall Blvd; Watson Ave *Cedar Hills Blvd; Hocken; Murray Blvd; 153rd *160th/Milikan; 170th; 178th; 185th; 198th *209th; Cornelius Pass Rd; 229th Ave/SE 67th Ave *234th/Century Blvd; Brookwood/Witch Hazel *Shopping Ctr Entr/24th; SE21st/Minter Br; SE13th/River Rd *Shopping Ctr Entr./SE11th; Maple; Walnut; 10th/Oak *10th/Baseline; SE5th @ Baseline; SE3rd @ Oak *SE3rd @ Baseline; SE2nd @ Oak; S1st/OR219 @Baseline *S1st/OR219 @Oak; SW Main @ Baseline; N14th Ave @ Baseline *N 10th @ Adair; N 10th @ Baseline	Systematic intersection improvements which could include signing, signals, and striping improvements	$ 2,000,000	F-OP29; F-OP30; F-OP31	
F-SP13	Safety	OR99E: SE McLoughlin Blvd includes Maple St, SE McLoughlin Way, Oak Grove Blvd (signalized).	High percentage turning and rear end crashes concentrated near Maple St and Oak Grove Blvd. Possible issue with SB far side bus pull out. Issue with NB far side bus pull out creating sight distance issues for vehicles.	Enforcement assisted lights, red extension, Ped/Bike/Transit improvements (2 bus pull outs)	$ 200,000		E75

ODOT REGION 1: Fix-it Project Listing (2016)

2016 STIP Safety Allocation	$	7,146,000
Proposed Safety Project Amount	$	15,450,000
% List		216.2%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
SAFETY							
F-SP14	Safety	US26: Powell Boulevard includes SE 20th Ave, SE 21st Ave (signalized), SE 23rd Ave	High percentage turning and rear end crashes. 4 ped crashes at SE 21st Ave. Very poor visibility of pedestrians, intersection sight distance restricted, permissive left turns on mainline and side street @ SE 21st Ave, no delineation on side street	Signal upgrade w/left turn phasing @ SE 21st Ave, improve intersection sight distance and pedestrian visibility (tree removal), improve signing on mainline, improved illumination.	$ 1,000,000	F-SP16	E87
F-SP15	Safety	US26: Powell Boulevard includes SE 38th Ave, SE Cesar Chavez (signalized), SE 40th Ave and SE 42nd Ave/SE 43rd Ave (off set signalized).	High percentage turning, rear end and ped crashes within this segment. Ped crashes concentrated @ SE Cesar Chavez to SE 40th Ave. High ped exposure - busy retail area, several bus stops, etc.	Signal upgrade @ SE Cesar Chavez, improve intersection sight distance and pedestrian visibility (tree removal). Safeway building restricting intersection sight distance on SE corner. Improve signing on mainline, Evaluate safety impacts of drop lane. Improve access related crashes	$ 1,000,000	F-SP16	E87
F-SP16	Safety	US26: Mt Hood Highway (MP1.81-24.61)	Deficient signing, signals and striping at the following 19 potential locations: *21st; 26th; 33rd; 39th/Cesar Chavez *42nd; Foster; 52nd; 71st/72nd; 82nd *86th; 92nd; I-205 SB offramp; 98th/Tri-Met *Palmquist; Orient/Jarl; 362nd; Ruben *Meinig/OR211/Pioneer; Wolf Creek/Ten Eyck	Systematic intersection improvements which could include signing, signals, and striping improvements	$ 1,000,000	F-SP14; F-SP15; F-SP17, F-SP18	E36; E40; E87
F-SP17	Safety	US26: Powell Boulevard includes SE 24th Ave, SE 25th Ave, SE 26th Ave (signalized), SE 28th Ave, SE 28th Pl, SE 29th Ave, SE 31st Ave, SE 32nd Ave, SE 33rd Ave	High percentage rear end and ped crashes. High ped exposure, high school, park, Catholic charities, several bus stops, etc. Very poor visibility of pedestrians, intersection sight distance restricted, permissive left turns on side streets.	Signal upgrade w/left turn phasing @ SE 26th and 33rd Ave's, improve intersection sight distance and pedestrian visibility (tree removal), improve signing on mainline, improved illumination, RRFB installation.	$ 2,000,000	F-SP16	E87
F-SP18	Safety	US26: Powell Boulevard includes SE 35th Pl, SE 36th Ave, SE 36th Pl, SE 37th Ave	High percentage rear end and ped crashes at SE 36th Ave. Very poor visibility of pedestrians and signing on the northside of roadway, sight distance restricted at SE 31st Ave and SE 36th Ave, lack of proper signing.	Improve pedestrian facilities: improve intersection sight distance and ped visibility (tree removal), improve signing on mainline, improved illumination, RRFB installation.	$ 2,000,000	F-SP16	E87
F-SP19	Safety	US30B: Sandy Blvd includes NE 103rd Ave, NE 104th Ave, NE 105th Ave(signalized), NE 106th Ave, NE 107th Ave.	High percentage turning and rear end crashes concentrated at NE 105 St. EB permissive left turning, WB left turns prohibited, median island with trees obstructs sight distance.	Provide protected lefts and remove median island trees. Evaluate left turn prohibition.	$ 500,000		
				SAFETY SPOT SUBTOTAL	$15,450,000		

ODOT REGION 1: Fix-it Project Listing (2016-2018)

2016-2018 STIP Preservation Allocation	$	21,100,000
Proposed Preservation Project Amount	$	34,520,000
% List		163.6%

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
PRESERVATION							
F-PR1	Pavement Preservation	OR-211: HWY 213 to Meadowbrook	Road condition is fair to poor. This section of hwy is a very good candidate for 1R treatment to keep it from falling into the 3R category and increasing costs.	Add useful life to the pavement and prevent significant pavement degradation.	$ 4,200,000		E18
F-PR2	Pavement Preservation	OR-212: Richey Rd to OR-26	Pavement condition is poor and starting to rapidly deteriorate. This section has cracking, delaminating and pot holes. Maintenance patch has held this section together but will need a 3R treatment. This is a main connector to hwy 26 from I205.	Repair pavement to fair or better condition and improve ADA access, if necessary	$ 2,250,000	F-SP2	E72
F-PR3	Pavement Preservation	OR-213: Mulino to Blackman's Corner	Pavement condition has started to erode. Showing cracking and pot holes. This pavement is in fair to poor condition. Maintenance patching is needed to keep in the 1R category. This is a good project to assure cost do not significantly increase due to pavement failure.	Bring pavement to fair or better condition,	$ 3,750,000	F-OP23	E54
F-PR4	Pavement Preservation	OR-43: Sellwood Bridge Approach	Road condition shows evidence of rutting. Pavement in this section is in fair to poor condition but is expected to hold with maintenance patching. This section of Hwy should stay in the 1R category if paved out to 2018.	Add useful life to the pavement and prevent significant pavement degradation.	$ 790,000		
F-PR5	Pavement Preservation	OR-99E: SW Berg Parkway to Pudding River	Pavement condition is fair to poor. Bringing this section of roadway to fair or better would ensure that the section does not rapidly deteriorate increasing repair costs. It currently needs maintenance patching as F mix had deteriorated. This is crucial to keep it in the 1R category out to 2018.	Bring pavement to fair or better condition,	$ 2,960,000		
F-PR6	Pavement Preservation	OR99E: Pine St - SW Berg Pkwy (Canby) Sec.	Road condition is poor. This section is 3R or 4R. Potholes and rough sections. Cracking of pavement sections delaminating.	Bring pavement to fair or better condition.	$ 5,020,000		E75
F-PR7	Pavement Preservation	OR-99E: SE Harold St to SE Harrison St	Road condition is fair to poor. Pavement shows cracking and delaminating. This is a 3R section with high traffic. Maintenance paving is currently holding section together and will continue to need further attention.	Bring pavement to fair or better condition.	$ 6,525,000	F-OP11	E75
F-PR8	Pavement Preservation	US-26: NW Mountaindale Rd to NW Glencoe Rd	Road condition shows evidence of rutting. This section of Hwy is in fair condition as of 2010 and is expected to fall to poor out to 2018. It will be very important to pave this section before it drops further down in the ratings. Cost to repair will be significantly higher and fall out of the 1R category to 3R.	Add useful life to the pavement and prevent significant pavement degradation.	$ 1,970,000		
F-PR9	Pavement Preservation	US-30: NW Bridge Ave to McNamee Rd	Pavement condition is poor and starting to rapidly deteriorate. This section of hwy has pot hole, cracking and delaminating. Maintenance patching will be needed to hold its current condition. This section will drop rapidly in condition if not paved out to 2018.	Bring pavement condition to fair or better and prevent significant pavement degradation.	$ 7,055,000		
				PRESERVATION SUBTOTAL	$34,520,000		

ODOT REGION 1: Fix-it Project Listing (2016-2018)

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
INTERSTATE MAINTENANCE							
F-IM1	Interstate Maintenance	I-205: Johnson Creek - Glenn Jackson Bridge	Roadway is raveling and cracking due to wear from studded tires. Patching at bridge transitions	Repave lane to bring pavement to fair or better condition.	$ 12,000,000	F-BR20-21	E50; E66; E67
F-IM2	Interstate Maintenance	I-205: Pacific Hwy - SE 82nd Drive	Roadway is raveling and rutting due to wear from studded tires.	Repave lane to bring pavement to fair or better condition.	$ 13,100,000	F-BR16-19; F-OP26	E-48
F-IM3	Interstate Maintenance	I-5: Capital - Tualatin River	Roadway is raveling and rutting due to wear from studded tires.	Repave lane to bring pavement to fair or better condition.	$ 6,300,000		E70-71
F-IM4	Interstate Maintenance	I-5: Marquam - Capital	Roadway is raveling and cracking due to wear from studded tires. The wear rate is higher than normal.	Repave lane to bring pavement to fair or better condition.	$ 9,100,000	F-BR4; F-BR11; F-SP2	
F-IM5	Interstate Maintenance	I-84: Corbett - Multnomah Falls	The roadway is rutted and raveling.	Repave lane to bring pavement to fair or better condition.	$ 6,800,000		
F-IM6	Interstate Maintenance	I-84: Marine Dr. - Corbett	There is flushing and rutting on the roadway.	Repave lane to bring pavement to fair or better condition.	$ 4,100,000		
INTERSTATE MAINTENANCE SUBTOTAL					$51,400,000		

ODOT REGION 1: Fix-it Project Listing (2016-2018)

Project ID	Project Type	Project	Problem Description	Goals & Objectives	Pre-Scoping Estimate (Includes PE, CE)	Matched w/ Other Fix-it Projects	Matched w/ Enhance Projects
BRIDGE							
F-BR1	Bridge	02010: OR99W over SW Multnomah Blvd	Deficient deck surface, rails and structures	Deck replair and overlays; Rail repair/replacement; Structure Repairs to concrete	$ 406,700		E84
F-BR2	Bridge	06683B: OR99W NB Conn #1 (Steel Br E Approach)	Deficient bearings, deck surface and structures	Bearing repair/replacement; Deck repair/replacement; Structural repairs to steel	$ 1,660,100		
F-BR3	Bridge	08194: OR43 NB over I-5 & Conns (Ross Island Intchg)	Deficient bearings, deck surface and joints	Bearing repair/replacement; Deck overlay and joint replacement	$ 1,207,600		
F-BR4	Bridge	08203B: I-5 over SW 26th Ave	Deficient deck surface and joints	Deck joints replacement and deck overlay	$ 1,231,800	F-IM4	E25
F-BR5	Bridge	08583: I-5 over NE Hassalo St & NE Holladay St	Deficient deck surface and joints	Deck joints replacement and deck overlay	$ 1,200,800		
F-BR6	Bridge	08588A: I-84 WB to I-5 NB over UPRR (Banfield Intchg)	Deficient bearings, deck surface and joints	Bearing repair/replacement; Deck overlay and joint replacement	$ 2,401,300		
F-BR7	Bridge	08588B: I-84 WB to I-5 SB over I-5 (Banfield Intchg)	Deficient bearings, deck surface and joints	Bearing repair/replacement; Deck overlay and joint replacement	$ 3,598,600		
F-BR8	Bridge	08589A: I-5 SB to Belmont St over I-5 (Morrison Int)	Deficient bearings, deck surface and structures, and paint	Bearing repair/replacement; Deck repair/replacement; Structural repairs to steel/concrete; painting	$ 764,200		
F-BR9	Bridge	08589B: SE Belmont St to I-5 NB over I-5 (Morrison Int)	Deficient bearings, deck surface and structures, and paint	Bearing repair/replacement; Deck repair/replacement; Structural repairs to steel/concrete; painting	$ 177,800		
F-BR10	Bridge	08590C: I-5 SB over Marquam Bridge Ramp	Deficient bearings, deck surface and structures	Bearing repair/replacement; Deck repair/replacement; Structural repairs to steel	$ 1,535,500		
F-BR11	Bridge	08591C: I-5 SB over I-5 NB to I-405 (W Marquam Intchg)	Deficient bearings, deck surface and structures	Bearing repair/replacement; Deck repair/replacement; Structural repairs to steel	$ 591,800	F-IM4	
F-BR12	Bridge	09268A: NB I-405 Conn to US30 WB	Deficient deck surface and joints	Deck joints replacement; Deck Repair/Replacement	$ 697,200		
F-BR13	Bridge	09268B: US30 EB Conn to I-405 SB	Deficient deck surface and joints	Deck joints replacement; Deck Repair/Replacement	$ 689,100		
F-BR14	Bridge	09381: Boring Rd over Hwy 26	Low vertical clearance, deficicient bearings, joing and structure damage to concrete	Raise bridge; Bearing repair/replacement; Joint replacement; Structural repairs to concrete	$ 1,008,800		
F-BR15	Bridge	09727: OR 213 over UPRR, MP -0.05	Deficient deck surface, rails and structures	Deck overlay; Rail repair/replacement; Structural repairs to concrete	$ 1,068,600		
F-BR16	Bridge	09735: I-205 NB over Woodbine Road	Deficient deck surface, rails and structures	Deck overlay; Rail repair/replacement; Structural repairs to concrete	$ 883,300	F-IM2	
F-BR17	Bridge	09735A: I-205 SB over Woodbine Road	Deficient deck surface and joints and structure damage to concrete	Deck overlay; Joint repair/replacement; Structural repairs to concrete	$ 883,300	F-IM2	
F-BR18	Bridge	09738: I-205 NB over Borland Road	Deficient deck surface and joints	Deck joints replacement and deck overlay	$ 837,000	F-IM2	
F-BR19	Bridge	09738A: I-205 SB over Borland Road	Deficient deck surface and joints	Deck joints replacement and deck overlay	$ 937,300	F-IM2	
F-BR20	Bridge	13514C: I-205 over I-205 SB Conn to I-84 EB	Drainage issues and structural damage to concrete	Address drainage issues; Structural Repairs to concrete	$ 762,000	F-IM1	
F-BR21	Bridge	13514D: I-205 over I-84 WB Conn to I-205 SB	Drainage issues and structural damage to concrete	Address drainage issues; Structural Repairs to concrete	$ 917,800	F-IM1	
F-BR22	Bridge	N8958A: Fremont Viaduct, I-5 NB	Deficient deck and joints. Structural damage to steel and concrete. Needs painting	Deck repair/replacement; Deck joint replacement; Structural repairs to steel/concrete; painting	$ 466,300		
F-BR23	Bridge	S8958A: Fremont Viaduct, I-5 SB	Deficient deck, bearings and joints. Structural damage to steel and concrete. Needs painting	Bearing repair/replacement; Deck repair/replacement; Structural repairs to steel/concrete; painting	$ 455,700		
				BRIDGE SUBTOTAL	$24,382,600		