



# Statewide Transportation Improvement Program (STIP)

2021-24 Development Update

EMCTC – May 13, 2019

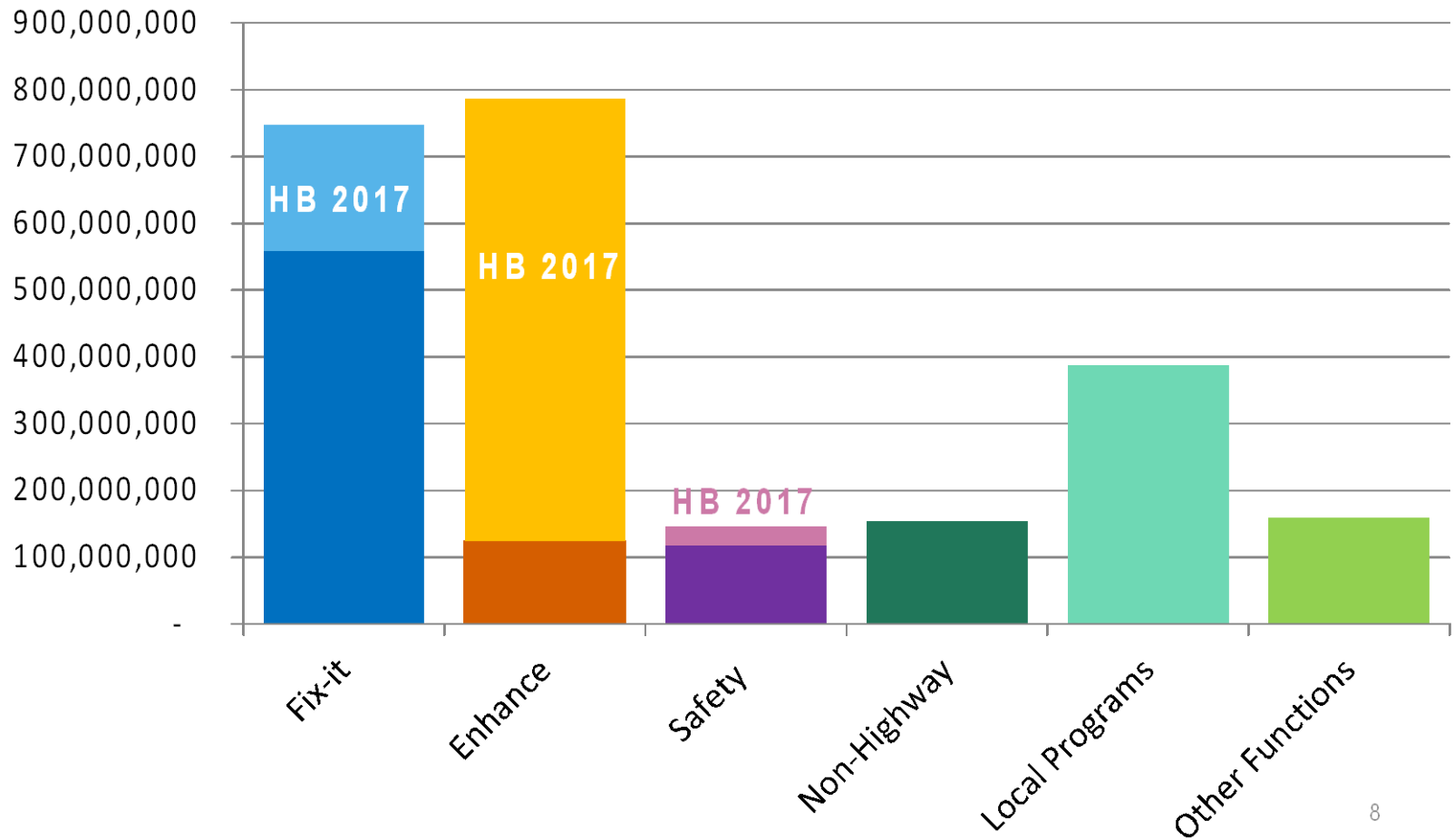
Jon Makler, ODOT Region 1 Planning Manager





# 2021-24 STIP Allocation (\$2.45B, 3 years)

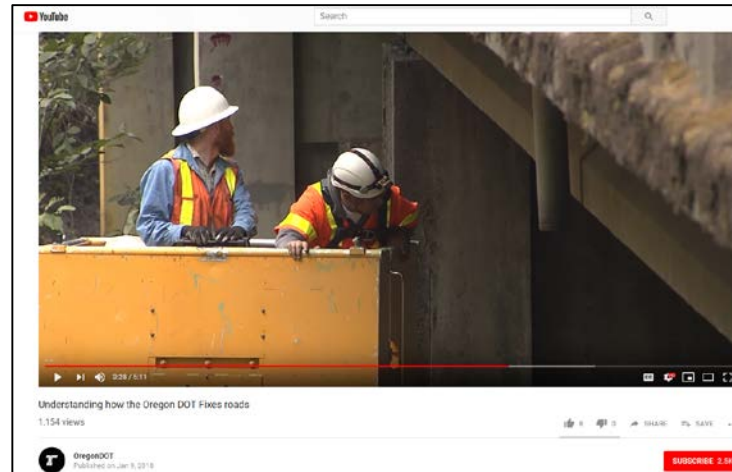
OTC Decision, December 2017





# STIP Fix-It Programs

<https://www.youtube.com/watch?v=drxakQYA1c4>



Paving



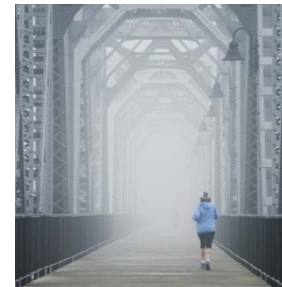
ARTS\*



Culvert



Bridge



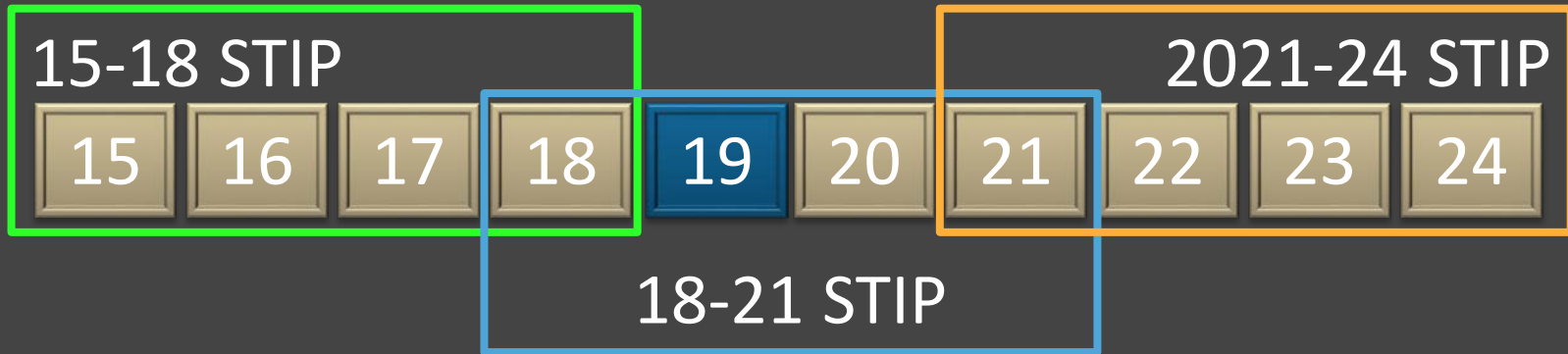
"Ops"



\* All Roads Transportation Safety



# 21-24 STIP Timeline



2018  
Identify and  
Scope  
Candidates

2019  
Region 1  
Outreach &  
Prioritization

2020  
OTC  
Outreach &  
Adoption





# Leverage Programs

2021-24 STIP

State Highway

Region 1: \$8.5M



Safety

Region 1: \$10.7M



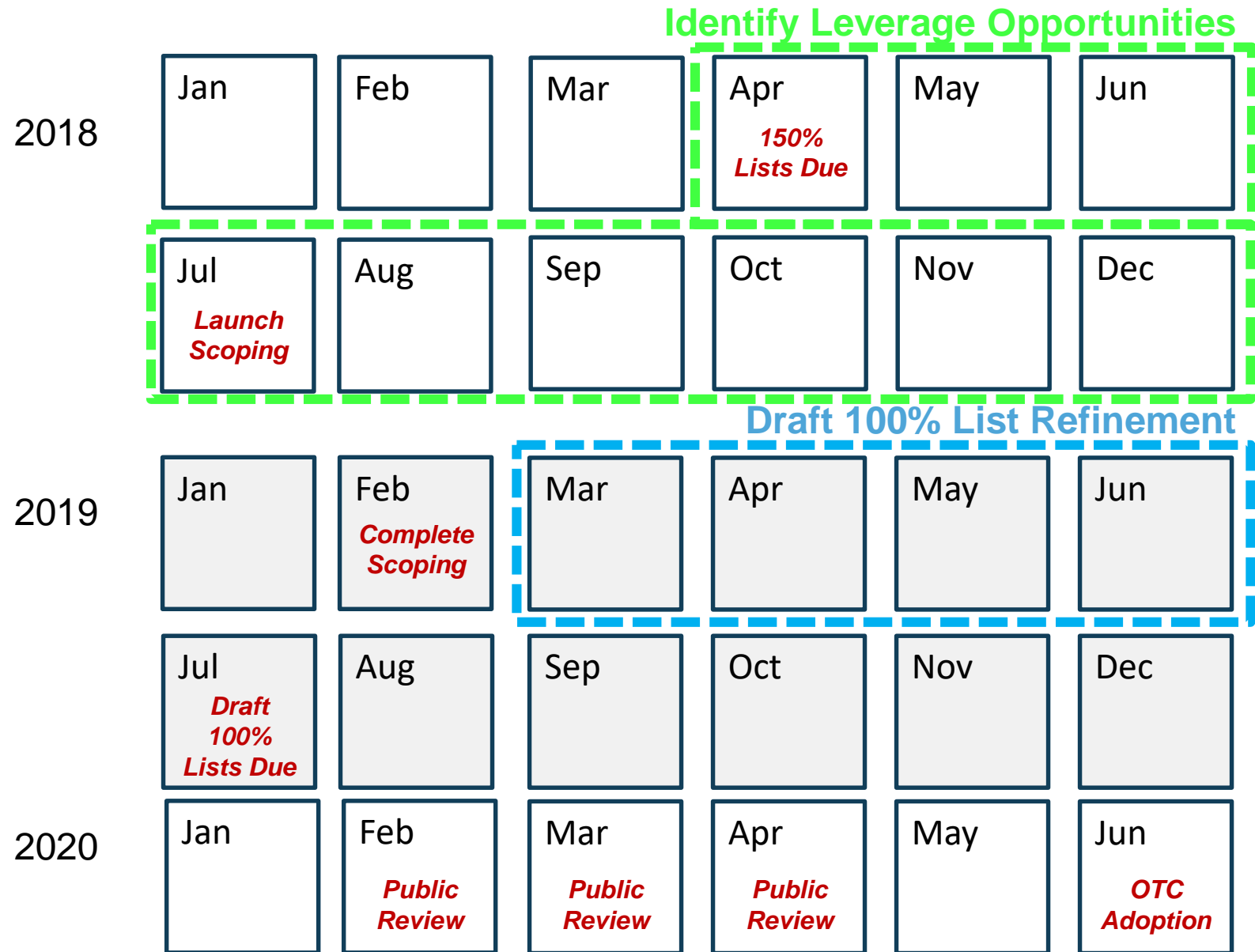
Active  
Transportation

Region 1: \$7.5M





# Leverage Program Timeline & Next Steps



# R1 STIP Website

odotregion1stip.org

All 150% project lists

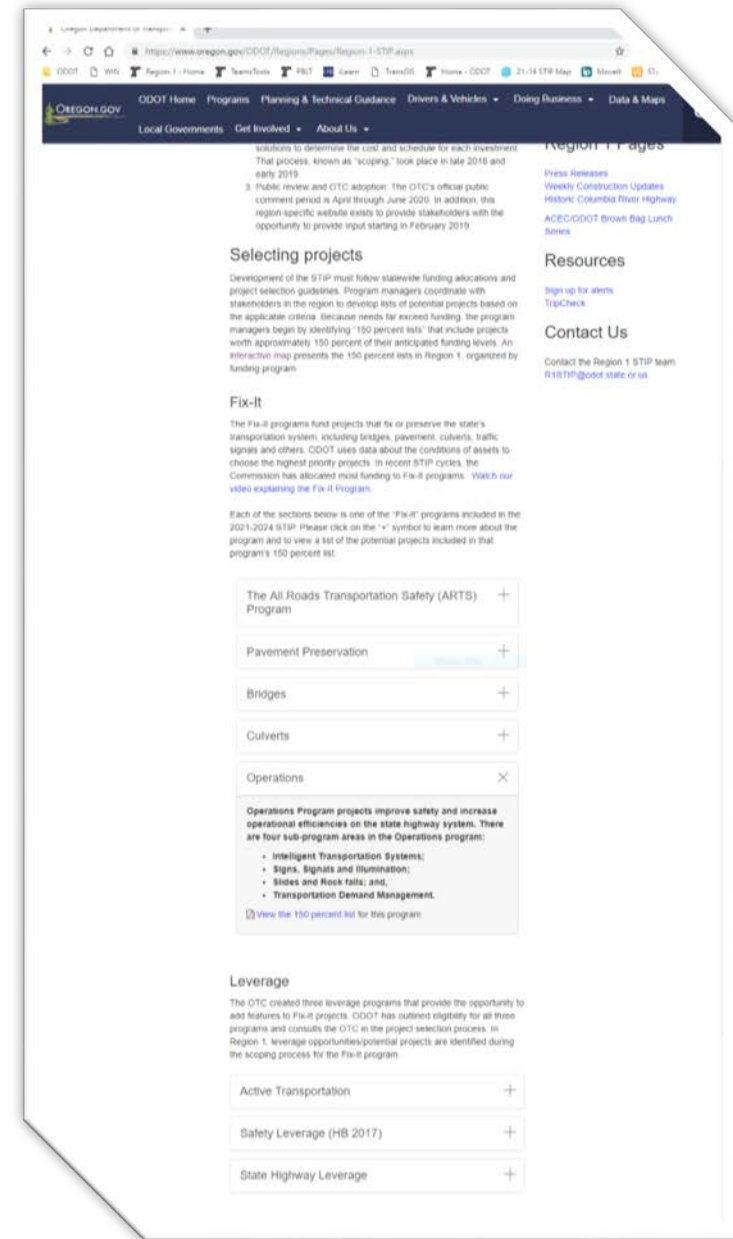
All initial draft 100% lists

Project map

Feedback link

Background information

Coming soon: individual  
project fact sheets





# To the lists!





## 2021-2024 STIP First Draft 100% List - Region 1 All Roads Transportation Safety (ARTS) Program

The All Roads Transportation Safety (ARTS) Program allocates funds in four sub-categories based on cost-effectiveness.

Bike and Pedestrian Improvements						
Project Number	Project Name	Project Description	County	Project Cost	CEI	Leverage* #
459	W Burnside at SW St Claire Ave (Portland)	Install a pedestrian hybrid beacon	Multnomah	\$ 664,030	\$ 255,190	
408	ORB (N Adair St): at N 4th Ave & OR10: Oleson Rd - 62nd Ave	Add a buffered bike lane and green bike striping through the intersection	Washington	\$ 100,132	\$ 332,937	
463	SE Belmont St: 7th Ave - 34th Ave (Portland)	Install illumination at 21 intersections	Multnomah	\$ 307,780	\$ 421,551	
458	SW 257th Drive at Sturges Dr/Cherry Park Rd (Multnomah)	Install bike boxes on Sturges and Cherry Park legs of the intersection and bicycle warning signs on either side of 257th	Multnomah	\$ 48,303	\$ 574,506	
460	Ped-Bike Treatments at 5 intersections (Beaverton)	Install illumination, pedestrian signal modifications, green conflict markings, and advance warning signs	Washington	\$ 754,769	\$ 586,871	
464	Rectangular Rapid Flash Beacons (Gresham)	Install rectangular rapid flash beacons (RRFB) at 5 locations.	Multnomah	\$ 549,344	\$ 950,716	
462	NE Killingsworth St: Martin Luther King Jr Blvd - 33 rd. Ave (Portland)	Install pedestrian crossing islands and pedestrian signal modifications	Multnomah	\$ 442,966	\$ 990,931	
				\$ 2,868,124		
Hot-Spots						
Project Number	Project Name	Project Description	County	Project Cost	B/C	Leverage* #
465	SE Division St: 148th Ave - 174th Ave (Portland)	Convert existing two-way left turn lane to a raised median.	Multnomah	\$ 2,797,665	10.361	
467	NE Fremont St: 102nd Ave - 122nd Ave (Portland)	Install speed bumps	Multnomah	\$ 194,436	8.960	
466	SE Stark St: 148th Ave - 162nd Ave (Portland)	Convert existing two-way left turn lane to a raised median.	Multnomah	\$ 1,518,150	7.665	
471	SE Flavel St at 72nd Ave (Portland)	Rebuild signal and add illumination.	Multnomah	\$ 1,097,746	3.270	
470	SE Gladstone St at Cesar Chavez Blvd (Portland)	Install left turn lanes and rebuild signal	Multnomah	\$ 1,053,947	3.226	
472	SE Johnson Creek Blvd: 79th Pl - 82nd Ave (Clackamas County)	Install a new signal and raised median	Clackamas	\$ 1,556,392	3.201	
469	SW Shattuck Rd at OR10 (Beaverton-Hillsdale Highway) (Portland)	Rebuild traffic signal to accommodate left turn signal heads and phases .	Multnomah	\$ 1,178,695	3.024	
468	NW West Union Rd at Neahkahnie Ave (Washington County)	Widen West Union at Neahkahnie and install a left turn lane westbound from West Union onto Neahkahnie	Washington	\$ 1,149,863	2.280	
422	OR213 (Cascade Hwy South) at S Toliver Rd	Road Safety Audit (RSA) Implementation, Phase 1.	Clackamas	\$ 3,028,259	1.552	509
				\$ 13,575,152		
Intersection Systemic						
Project Number	Project Name	Project Description	County	Project Cost	B/C	Leverage* #
393	US26 (Mt Hood Hwy): SE 8th Ave - SE 87th Ave	Update signals and improve intersection warning signage. Trim vegetation.	Multnomah	\$ 91,610	171.486	
395	OR219: Baseline - Scholls & OR10: 198th Ave - Kinnaman Rd	Upgrade signals, signs and striping. Install stop approach activated warning system. Tree removal and tree trimming	Washington	\$ 404,339	45.985	499
400	US30B (Lombard): N Kerby Ave - NE 168th Ave	Upgrade signals, signage and striping. Install green bike lanes. Remove and trim trees and foliage.	Multnomah	\$ 582,392	30.638	
398	ORB: SW Canyon Ln - OR47 & OR47: OR8: - B St	Illumination, signal improvements and tree trimming.	Washington	\$ 2,432,406	27.003	
453	Beavercreek Rd: Molalla Ave - S Mapelane Rd (Oregon City)	Improve signal hardware, install signage and remove trees	Clackamas	\$ 1,374,423	22.347	
392	US30: NE Jordan Rd - OR35	Signage improvements and tree trimming	Hood River, Multnomah	\$ 167,781	20.248	
399	OR99W: OR217 - SW Sunset Blvd	Signal upgrades. Replace signs and bike lane conflict markings. Remove and trim trees.	Washington	\$ 1,986,527	19.473	514
				\$ 7,039,478		
Road Departures						
Project Number	Project Name	Project Description	County	Project Cost	B/C	Leverage* #
454	SE Mt Scott Blvd:101st Ave - 104th Ave (Portland)	Install guardrail and reflective delineators. Improve curve signage	Multnomah	\$ 105,681	21.957	
455	S Redland Rd: OR213 - Springwater Rd (Clackamas County)	Install high friction surface treatment (HFST), signage and edgeline/fog line markings on curves	Clackamas	\$ 352,991	13.869	
404	OR217 at US26 Westbound Ramp	Apply high friction surface pavement treatment (HFST) on ramp curved section	Washington	\$ 620,042	6.384	
456	SE Foster Rd: Barbara Welch Rd - Jenne Rd (Portland)	Install rumble strips	Multnomah	\$ 183,919	6.029	
405	US30: Sandy River - OR35	Install curve warning signs	Hood River, Multnomah	\$ 380,000	3.235	
406	I-84: Ainsworth State Park and Bonneville Dam Curves	Apply high friction surface pavement treatment (HFST) on 2 curved sections	Multnomah	\$ 1,753,010	1.993	
				\$ 3,395,644		



## 2021-2024 STIP First Draft 100% List - Region 1 Fix-It Programs

Bridge, Culvert and Interstate Maintenance Pavement programs are administered on a statewide basis. Region Preservation Pavement and Operations are administered within the region.

### BRIDGE

Sub-Category	Project Number	Project Name	Project Description	County	Project Cost	Leverage#
	126	I-84 (westbound): Union Pacific Railroad bridge	Bridge deck or bridge replacement study. (Bridge 02133A)	Hood River	\$ 300,000	
	127	I-84 (eastbound): Tooth Rock Tunnel	Bridge deck repair. (Bridge 04555)	Multnomah	\$ 3,028,363	
	128	US30B: Bridge over private driveway	Concrete repair and deck Rehabilitation (Bridge 06498)	Multnomah	\$ 1,920,856	
	129	OR8: Johnson Creek Bridge	Culvert repair (Culvert 0F461)	Washington	\$ 1,755,943	
	130	I-205: Glenn Jackson Bridge	Bridge deck rehabilitation (Bridge 09555)	Multnomah	\$ 2,000,000	
	131	US30: Bridal Veil Falls Bridge	Bridge rehabilitation (Bridge 00823)	Multnomah	\$ 1,263,543	
	132	I-84 eastbound: McCord Creek bridge	Bridge replacement (Bridge 02193B)	Multnomah	\$ 29,465,180	
	133	US30: St. Johns Bridge	Concrete repair and deck rehabilitation. (Bridge 06497)	Multnomah	\$ 22,142,398	
	140	OR120: Columbia Slough Bridge	Bridge replacement (Bridge 01726)	Multnomah	\$ 300,000	
	202	US30: Troutdale Bridge	Bridge footing scour repair. (Bridge 02019)	Multnomah	\$ 4,773,210	
	203	I-5: Boone Bridge	Bridge deck rehabilitation.	Clackamas	\$ 9,348,451	493
BRIDGE RAIL RETROFIT	205	OR35: US26 Overcrossing Bridge	Bridge rail repair. (Bridge 16136)	Clackamas	\$ 662,598	
BRIDGE RAIL RETROFIT	210	OR99W: Rock Creek Bridge	Bridge rail repair. (Bridge 01378A)	Washington	\$ 854,236	
					\$ 80,234,783	

### CULVERT

Sub-Category	Project Number	Project Name	Project Description	County	Project Cost	Leverage#
Priority Route	212	US30: Watson Rd - NW Hoge Ave	Priority route culverts rehabilitation and replacement	Multnomah	\$ 4,187,362	
Priority Route	213	I-84: Corbett Interchange - East Hood River Interchange Ph2	Design for priority route culverts rehabilitation and replacement	Hood River, Multnomah	\$ 300,000	
Fish Passage	214	OR35: Tilly Jane Creek Culvert	Fish passage culvert replacement	Hood River	\$ 6,231,737	
Large Culvert Repair	217	I-84: Ruckle Creek Culvert	Culvert repair	Hood River	\$ 1,391,208	
					\$ 12,110,307	

### PAVEMENT

Sub-Category	Project Number	Project Name	Project Description	County	Project Cost	Leverage#
Interstate Maintenance	146	I-5: E Burnside St - Marquam Bridge	Pavement repair study	Multnomah	\$ 700,000	
Interstate Maintenance	149	I-84: NE Martin Luther King Jr Blvd - I-205	Design for pavement resurfacing	Multnomah	\$ 1,000,000	
Interstate Maintenance	151	I-84: Multnomah Falls - Cascade Locks	Pavement rehabilitation to repair cracking, rutting, and wear.	Hood River, Multnomah	\$ 17,592,984	
Region Preservation	154	OR8: Minter Bridge Rd - SE 73rd Ave	Pavement resurfacing to repair cracking, and curb ramp improvements.	Washington	\$ 10,725,088	515
Region Preservation	155	US26: Glencoe Rd - Cornelius Pass Rd	Pavement resurfacing to repair ruts.	Washington	\$ 12,436,629	
Region Preservation	157	OR224: SE 17th Ave - OR213 (SE 82nd Ave)	Pavement resurfacing to repair cracking, rutting and wear, and curb ramp improvements.	Clackamas	\$ 19,430,877	434
Region Preservation	158	US26: Salmon River - Zigzag	Pavement resurfacing to repair ruts.	Clackamas	\$ 10,163,014	386
Region Preservation	159	OR35: Polallie Creek - OR281 (Hood River Hwy)	Pavement resurfacing to repair cracking, rutting and wear.	Hood River	\$ 7,562,361	
Region Preservation	161	US30B (Lombard): N Newman Ave - N Boston Ave	Pavement resurfacing	Multnomah	\$ 3,852,816	513
					\$ 83,463,770	

### OPERATIONS

Sub-Category	Project Number	Project Name	Project Description	County	Project Cost	Leverage#
ITS	218	Region 1 traffic monitoring and control systems	Purchase and install hardware and software for traffic monitoring and control systems.	Region wide	\$ 700,000	
ITS	219	Region 1 variable message signs	Install and replace variable message signs (VMS).	Region wide	\$ 1,609,311	
ITS	220	I-5 (northbound): Marquam Bridge - Capitol Highway	Install Variable Advisory Speed (VAS) and truck warning signs on the northbound section of I-5	Multnomah	\$ 3,949,867	
ITS	483	Region 1 traffic monitoring cameras	Install and replace traffic monitoring cameras.	Region wide	\$ 645,000	
ITS	508	Region 1 Operations	Traffic controllers, turn lanes and operational improvements.	Region wide	\$ 1,000,000	
SUDES	K20522	US30B at Bridge Ave ramps	Tree clearing and slope stabilization.	Multnomah	\$ 2,806,200	
SUDES	507	Region 1 rockfall mitigation strategy	Rockfall and tree hazard assessment and mitigation.	Region wide	\$ 250,000	
SSI	221	Region 1 signal head replacement and upgrades	Signal head replacement and LED upgrades.	Region wide	\$ 200,000	
SSI	222	Region 1 striping and raised pavement markers	Restriping and replacement of raised pavement markers.	Region wide	\$ 200,000	
SSI	223	Region 1 signal detection replacement and upgrades	Signal loop detection replacements and upgrades.	Region wide	\$ 200,000	
SSI	224	Region 1 audible crosswalk signal replacements	Install audible crosswalk signal replacements.	Region wide	\$ 200,000	
SSI	226	OR224 at SE Monroe St	Full signal upgrade.	Clackamas	\$ 2,328,378	
SSI	229	OR213 (NE 82nd Ave) at Glisan St	Full signal upgrade.	Multnomah	\$ 3,688,270	388
SSI	235	OR8 (SW Baseline St) at SW Main St	Full signal upgrade.	Washington	\$ 2,897,949	494
					\$ 22,874,974	



## 2021-2024 STIP First Draft 100% List - Region 1 Leverage Program

The Oregon Transportation Commission (OTC) allocated certain amounts of "leverage" funding to Region 1 in each of three categories and provided guidance on the use of these funds. Selected projects must leverage a project in the 21-24 Fix-it programs (Bridge, Culvert, Pavement, Operations, ARTS) or in HB2017.

CATEGORY	NUMBER	NAME	DESCRIPTION	COUNTY	LEVERAGE FUNDS	BASE PROJECT
ACTIVE TRANSP.	386	US26: Salmon River Road Crossing Enhancement	Upgrade the existing pedestrian crosswalk (near Welches Elementary School)	Clackamas	\$ 787,525	158 (Pavement)
ACTIVE TRANSP.	388	OR213 (82nd Ave): at NE Davis St	Improve pedestrian facilities (at Vestal Elementary School)	Multnomah	\$ 1,287,500	229 (Operations)
ACTIVE TRANSP.	490	OR213(SE 82nd Ave): Clatsop St - Lindy St	Construct sidewalk/infill	Clackamas	\$ 1,896,763	K21177 (HB2017)
ACTIVE TRANSP.	494	OR8 (SW Baseline St): Main St - Dennis St Section 1	Construct sidewalk to fill in the gap west of Main St (south side of highway)	Washington	\$ 471,716	235 (Operations)
ACTIVE TRANSP.	500	OR141 (SW Hall Blvd): Cascade Ave - Scholls Ferry Rd	Widen the Hall Blvd structure overcrossing OR217 by 19 ft. to the north to allow for the addition of a sidewalk on the north side of Hall Blvd and bike lanes across the structure in both directions. (Additional funds: \$2,000,000 from local partner and \$800,000 from ODOT's Sidewalk Improvement Program, SWIP)	Washington	\$ 3,000,000	K18841 (HB-2017)
Total:					\$ 7,443,504	
Available:					\$ 7,476,000	

CATEGORY	NUMBER	NAME	DESCRIPTION	COUNTY	LEVERAGE FUNDS	BASE PROJECT
HIGHWAY	493	I-5: OR551 (Wilsonville - Hubbard) - Charbonneau Onramp	Extends auxiliary lane from the northbound Canby-Hubbard entrance ramp to the northbound Miley Road (Charbonneau) entrance ramp	Clackamas	\$ 2,204,807	203 (Bridge)
HIGHWAY	496	I-5 (southbound): Marquam Bridge - Capitol Highway	Install Variable Advisory Speed (VAS) and truck warning signs on the southbound section of I-5	Multnomah	\$ 1,094,633	220 (Operations)
HIGHWAY	497	I-84 (westbound) at Multnomah Falls	Install technology to close the off-ramps to the Multnomah Falls parking lot and provide upstream traveler information. This project is comparable to what exists on the eastbound side.	Multnomah	\$ 782,022	151 (Pavement)
HIGHWAY	504	OR8: SE Brookwood Ave - OR217	Install fiber optic cable where gaps exist for the operation of traffic control systems. (Partial).	Washington	\$ 2,923,389	154/408 (Pavement/ARTS)
HIGHWAY	509	OR213 (Cascade Hwy South) at S Toller Rd	Road Safety Audit Implementation, Phase 2 (Additional funds: ODOT anticipates local partner and developer contribution of \$3.5 million)	Clackamas	\$ 1,500,000	422 (ARTS)
Total:					\$ 8,504,851	
Available:					\$ 8,483,573	

CATEGORY	NUMBER	NAME	DESCRIPTION	COUNTY	LEVERAGE FUNDS	BASE PROJECT
SAFETY	434	OR224: Monroe Greenway Implementation	Intersection modifications to increase safety of new neighborhood greenway	Clackamas	\$ 3,076,643	157 (Pavement)
SAFETY	499	OR10 at SW 195th Ave	Install a rectangular rapid flashing beacon (RRFB)	Washington	\$ 253,137	395 (ARTS)
SAFETY	511	OR-213 (82nd Avenue) Pedestrian Safety	Install Rectangular Rapid Flash Beacons (RRFBs) at SE Clatsop St, NE Pacific Ave, SE Glencoe Rd and Clackamas Town Center	Multnomah, Clackamas	\$ 2,879,472	K21177 (HB2017)
SAFETY	513	US308 (N Lombard) at Delaware and Peninsula Trail Crossing	Install a rectangular rapid flashing beacons (RRFBs)	Multnomah	\$ 1,188,398	161 (Pavement)
SAFETY	514	OR-99W (SW Barbur Blvd) at Coronado	Install Rectangular Rapid Flash Beacon (RRFB)	Washington	\$ 1,296,159	399 (ARTS)
SAFETY	515	OR-8: TV Highway Pedestrian Safety	Install Rectangular Rapid Flash Beacons at 192nd and in Forest Grove near C&D Row	Washington	\$ 1,975,000	154 (Pavement)
Total:					\$ 10,668,809	
Available:					\$ 10,680,000	

### Leverage Program Drops:

#### Base Project on Fix It 100% list

CATEGORY	NUMBER	NAME	DESCRIPTION	COUNTY	LEVERAGE FUNDS	BASE PROJECT
ACTIVE TRANS.	491	US30: Eagle Creek Ramp	Construct a ramp to provide an alternative access to the stairs for people with disabilities or bikes. This will allow users to access the Eagle Creek off-ramp from the Toothrock Viaduct.	Multnomah	\$ 7,198,178	127 (Bridge)
HIGHWAY	492	I-84: Benson Lake - Multnomah Falls	Construct a paved path parallel to I-84 from the Benson Lake State Park to the Multnomah Falls parking lot.	Multnomah	\$ 4,858,501	151 (Pavement)
HIGHWAY	495	OR8: OR47 (Nehalem Hwy) - SW17th Ave	Install fiber optic cable for the operation of traffic control systems.	Washington	\$ 1,330,706	408 (ARTS)
ACTIVE TRANS.	505	I-84: at Lewis & Clark State Park (Jordan Rd)	Construct a multi-use path along Jordan Rd	Multnomah	\$ 2,360,690	K17270

#### Fix it project dropped from program list

CATEGORY	NUMBER	NAME	DESCRIPTION	COUNTY	LEVERAGE FUNDS	BASE PROJECT
SAFETY	436	US308: N Lombard at Denver Ave	Close slip lane and other intersection modifications	Multnomah	\$ 900,000	161 (Pavement)
AT	N/A	99W @ 53rd	Improvements in pedestrian infrastructure	Multnomah	N/A	



Thank you.