



**MEMORANDUM**

	Program Area	Mission Statement
X	MPO/RTPO	A
	Core Services	
	Contract Services	
	Grant Services	

**MEMBERS:**

- City of Lacey
- City of Olympia
- City of Rainier
- City of Tenino
- City of Tumwater
- City of Yelm
- Confederated Tribes of the Chehalis Reservation
- Nisqually Indian Tribe
- Town of Bucoda
- Thurston County
- North Thurston Public Schools
- Olympia School District
- Intercity Transit
- LOTT Clean Water Alliance
- Port of Olympia
- PUD No. 1 of Thurston County

**ASSOCIATE MEMBERS:**

- Lacey Fire District #3
- Puget Sound Regional Council
- The Evergreen State College
- Thurston Economic Development Council
- Timberland Regional Library

TO: Thurston Regional Planning Council

FROM: Holly Gilbert, Senior Planner

DATE: September 1, 2017

SUBJECT: 2018 – 2021 Draft Regional Transportation Improvement Program (RTIP)

**PURPOSE**

Review and discuss the draft 2018 – 2021 Regional Transportation Improvement Program (RTIP), in preparation for adoption in October.

**Summary:**

- Thurston Regional Planning Council (TRPC) is responsible for developing an annual RTIP.
- The RTIP is a four-year programming document derived from local six-year Transportation Improvement Programs (TIP).
- The RTIP includes federally-funded, state-sponsored and regionally significant projects. It is prepared annually to provide a list of funding secured projects (Tables 3 & 4), identify other secured and proposed transportation projects for the same period (Appendix A), and demonstrate air quality conformity (Appendix D).
- Table 3, a summary table of the funding secured projects that must be programmed into the RTIP and State Transportation Improvement Program (STIP), is attached.
- Printed copies of the complete text will be available at TRPC's September meeting or may be picked up in advance of the meeting at the TRPC office. The complete text is also available online: [www.trpc.org/306/Regional-Transportation-Improvement-Prog](http://www.trpc.org/306/Regional-Transportation-Improvement-Prog)
- The draft RTIP will undergo public review. The Transportation Policy Board's (TPB) recommendation and comments, with any public comments received, will be included in the staff report for TRPC at the October meeting.

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**REQUESTED ACTION**

Review and discuss the draft 2018-2021 RTIP. This item will be brought to TRPC for action in October.

Attachment



## BACKGROUND

### **What is an RTIP?**

The Regional Transportation Improvement Program (RTIP) is prepared annually by TRPC, in cooperation with local jurisdictions and the Washington State Department of Transportation (WSDOT) to meet state and federal requirements. In turn, the RTIP is used by the state to prepare the State Transportation Improvement Program (STIP).

The RTIP is a four-year programming document derived from the comprehensive six-year Transportation Improvement Programs (TIPs) that each local agency develops and adopts annually. In these local TIPs, each agency establishes its own priorities, conducts its own public review, and adopts its own locally developed project list before submitting that six-year list to TRPC. The RTIP that TRPC prepares is only required to include projects from the first four years of those local TIPs.

The RTIP serves these main purposes:

- 1) It identifies a list of transportation projects that will be forwarded to the state for inclusion in the STIP. For federally funded projects, even if project funding has been awarded, it is not available to jurisdictions and agencies until the project is included in the STIP. To be included in the STIP, projects must be programmed for funding (funding-secured) in local Transportation Improvement Plans (TIPs) in the four-year period for both urban and rural areas and meet one or more of the following criteria:
  - a. Have federal funding
  - b. Be WSDOT projects
  - c. Be regionally significant, regardless of funding source
- 2) It demonstrates financial constraint for the projects referenced above.
- 3) It demonstrates consistency with RCW 36.70A, Section 70 of the Washington State Growth Management Act (GMA) requiring transportation planning to be coordinated and consistent with local comprehensive plans.
- 4) It demonstrates that regionally significant projects programmed for funding during the time period will not cause or contribute to any new violation of the federal air quality standards for particulate matter of 10 microns or less (PM<sub>10</sub>), will not increase the frequency or severity of any existing violation of the standards, nor delay timely attainment of the standards.
- 5) It identifies other programmed and planned transportation projects adopted in local six-year TIPs.

Projects in the RTIP are presented in three phases, preliminary engineering and design (PE), right-of-way acquisition (RW), and construction (CN). Project phases included in each year's updated RTIP may vary as phases secure funding or are obligated.

### **Relating the RTIP to the Regional Transportation Plan**

The RTIP is a short range implementation program of the priorities identified in the longer view of the 2040 Regional Transportation Plan (RTP), adopted by TRPC in July 2016. It consolidates the next four years of transportation projects into a form convenient to review for consistency with the region-wide goals, policies and priorities articulated in the RTP.

The RTIP projects were reviewed for consistency with the RTP. While all the RTIP projects were found consistent with the 2040 Regional Transportation Plan, those which are "regionally significant" are individually identified in the RTP. These are major projects that influence travel patterns and traffic flows over large areas.

Though dubbed “regionally significant,” these are only part of the important transportation investments made in the region, as the RTIP shows. Projects like pavement preservation, system safety, intersection efficiency, sidewalk infill, on-street bike lanes, and shoulder upgrades – all found listed individually in the RTIP – are essential to the safe and efficient functioning of the transportation system, and are consistent with the priorities expressed in the RTP. The complete list of projects provided in the RTIP, while consistent with the RTP, provides reviewers with a more specific picture than provided in the RTP, of the investments being made in the region’s transportation system.

**Public Comment**

While agencies held public hearings earlier this year on the Local TIPs, public review and comment on the draft RTIP is also encouraged. Notices regarding the draft RTIP’s availability for comment will be published in The Olympian and posted on the TRPC website.

The draft RTIP will be sent to Transportation Technical Advisory Committee (TAC) members for their review and to staff at the following agencies:

- WSDOT
- Federal Highways Administration
- Federal Transit Administration
- WA State Department of Ecology
- US Environmental Protection Agency
- Puget Sound Regional Council
- Pierce County
- Mason County
- Grays Harbor County
- Lewis County
- Olympic Region Clean Air Agency
- Nisqually Tribe
- Confederated Tribes of the Chehalis Reservation
- Squaxin Tribe

All comments received during the public comment period will be included in the staff report to TRPC for your consideration when taking action in October. In addition, any project specific comment will be forwarded to the respective agency.

The draft RTIP will also be reviewed by the State’s Air Quality Consultation Group, comprised of representatives from the Washington State Departments of Ecology and Transportation, the US Environmental Protection Agency, and the Federal Highways and Transit Administrations. They will review the proposed conformity status for the RTIP. You will be notified of any substantive changes to the conformity findings based on this review.

The Transportation Policy Board will review the draft RTIP at their September meeting. Their recommendation will also be provided in the staff report to TRPC for consideration when taking action in October.

Table 3 from the RTIP is a summary table of the funding secured projects and is enclosed with this staff report. The complete text is available online. Printed copies of the complete text will be available at TRPC’s September meeting or may be picked up in advance of the meeting at the TRPC office.



**Table 3  
Summary Table of RTIP Projects**

Project Title & Description	Agency	Regionally Significant	RTP Project ID	Phase	Year	Fund Code	Federal	State/Local	Total
<b>2018 Capital Preventive Maintenance</b> Capital Preventive Maintenance for Intercity Transit for FY 2017 Direct Apportionment of 5307 funding.	Intercity Transit	No	-	CN	2018	5307	\$3,197,829	\$799,457	\$3,997,286
<b>Bus Stop Enhancements for Safety &amp; Accessibility</b> Improve an additional series (approximately 11) of existing bus stops within Intercity Transit's service district of Lacey, Olympia, Tumwater, and Thurston County. The purpose of this effort is to: a) increase pedestrian accessibility, including federal ADA requirements for sidewalks, and b) incorporate sidewalk design elements that construct accessible landing pads for bus ramp deployment including, where appropriate, improvements to curbing and street storm water flow. These improvements increase operational functionality and safety at the stop for both the transit vehicle/driver, the riding public and in particular for people with physical limitations or impairments.	Intercity Transit	No	-	CN	2018	CMAQ	\$63,050	\$9,841	\$72,891
<b>College St and Yelm Hwy Super "T" Pavement Rehabilitation</b> This project will provide a complete pavement rehabilitation on both corridors. The project also includes ADA improvements as required.	Lacey	No	-	PE	2018	NHPP	\$375,000	\$125,000	\$500,000
<b>College Street Corridor - Phase 1</b> Per the 2009 College Street Corridor Study, this project will widen the roadway to include a planted center median, auxiliary left turn lanes, sidewalks, with typical urban amenities. This includes traffic control roundabouts at 16th Avenue, 22nd Avenue and 29th Avenue SE. Future phases will be constructed as funding becomes available. The project will involve landscaping, excavation, paving, and drainage improvements. The project will be constructed in multiple phases with the first phase being the construction of the 22nd Avenue SE roundabout.	Lacey	Yes	C42	CN	2018	State/Local	\$0	\$848,458	\$848,458
<b>Old Highway 99 Rural Capacity Project</b> Reconstruction added capacity project including the possibility of minor realignment, additional lanes, curbs, gutters, sidewalks, bike lanes, illumination, drainage facilities, intersection improvements, landscaping and other safety features.	Thurston County	Yes	C22	ALL	2018	State/Local	\$0	\$150,000	\$150,000
<b>Olympic View Elem/Thompson Pl Neighborhood SR Enhancement</b> The project includes but is not limited to traffic calming (e.g., speed cushions, traffic circle), pavement markings, signs, curbing, school zone flashing beacons, ADA improvements, illumination, and education/outreach.	Thurston County	No	-	PE	2018	SRTS	\$130,000	\$0	\$130,000
<b>Mullen Road Reconstruction</b> Reconstruct roadway and widen 2 travel lanes to add bicycle lanes and sidewalks on both sides, additional channelization, landscaping, illumination, drainage improvements and other associated work. The proposed project will have sidewalks, bike lanes and a travel lane in each direction for the entirety of the project limits. Retaining walls will be necessary along portions of the project. A roundabout will be installed at Carpenter Rd to improve safety and operations. All stormwater will meet current standards. Illumination will be installed throughout the project limits.	Thurston County	No	-	CN	2019	STP(US)	\$2,000,000	\$4,400,000	\$6,400,000

**Table 3, continued**  
**Summary Table of RTIP Projects**

Project Title & Description	Agency	Regionally Significant	RTP Project ID	Phase	Year	Fund Code	Federal	State/Local	Total
<b>Countywide Restoration and Resurfacing Project 2018</b> Project includes asphalt paving, grinding, traffic control devices and may include associated safety features such as rumble strips, guardrail, mailbox replacements, etc...	Thurston County	No	-	CN	2018	STP(R)	\$1,590,167	\$248,176	\$1,838,343
<b>2018-2019 Regional Transportation Planning Priorities</b> Planning activities in the work program of regionally determined transportation initiatives. See TRPC Work Program.	TRPC	No	-	PE	2018	STP(US)	\$700,000	\$190,248	\$890,248
<b>Thurston County Bicycle Map, 6th Edition</b> This project will update the Thurston County Bicycle Map and offer both print and electronic versions to the public.	TRPC	No	-	PE	2019	STP(R)	\$38,210	\$5,965	\$44,175
<b>Capitol Boulevard Pedestrian Crossing Improvements</b> Installation of pedestrian activated Rectangular Rapid Flashing Beacons at two existing Tumwater mid-block crossings, one between Israel and Dennis and another near Market St.	Tumwater	No	-	CN	2018	STP(US)	\$112,450	\$17,550	\$130,000
<b>Deschutes Valley Trail</b> Construction of a paved walking / bicycling trail from Pioneer Park to the Tumwater Historical Park.	Tumwater	Yes	B6	RW	2018	State/Local	\$0	\$150,000	\$150,000
<b>Deschutes Valley Trail: Tumwater Historic Park to Falls Park</b> Construction of Segment A1 of the Deschutes Valley Trail to provide a paved walking / bicycling trail. PE done under federal project 1325(003).	Tumwater	Yes	B6	CN	2018	CMAQ	\$983,000	\$196,600	\$1,179,600
<b>Desoto Street Stabilization and Rehabilitation</b> Reconstruction including slope stabilization, curb, gutters, roadway, sidewalks on one side, bike lanes, illumination and drainage.	Tumwater	No	-	CN	2018	STP(US)	\$610,000	\$100,000	\$710,000
<b>I-5 / Trospen Rd / Capitol Blvd Reconfiguration</b> Modify I-5 NB Off-Ramp and southerly NB On-Ramp, construct RAB at I-5/6th Ave, construct new roadway between West Lee and Trospen, reconstruct Trospen from I-5 to Capitol, extend Trospen east of Capitol, construct RAB at Trospen/Capitol, reconstruct Linda St from Capitol to a new local access road and construct new local access road from Ruby St to Trospen Rd extension. Termini: NB Off-Ramp and southerly NB On-Ramp (I-5), I-5 to 470' east of Capitol (Trospen), Lee to Trospen (6th Ave), 100' north of Ruby to 340' north of Trospen (Capitol), Capitol to 425' east of Capitol (Linda St).	Tumwater	Yes	C29	RW	2018	State/Local	\$0	\$5,000,000	\$5,000,000
<b>I-5/SR 510 Interchange - Interchange Reconstruction</b> This project is looking at converting the existing interchange to a Diverging Diamond configuration.	WSDOT	Yes	O16	PE	2018	State/Local	\$0	\$6,700,000	\$6,700,000
<b>SR 510/Yelm Loop - New Alignment Phase 2</b> Traffic through the City of Yelm is extremely congested at the present time. This project will construct the second stage of a new alignment for SR 510 through the City of Yelm. When complete, this project will relieve congestion and improve motorist safety.	WSDOT	Yes	O11	PE	2019	State/Local	\$0	\$7,200,000	\$7,200,000
<b>SR 510/Meridian Rd SE - Roundabout</b> This intersection has been identified as an Intersection Analysis Location. By constructing a roundabout, this project has the potential to reduce the frequency and severity of collisions and improve motorist safety.	WSDOT	No	-	RW	2018	HSIP	\$144,256	\$2,944	\$147,200
				CN	2018	HSIP	\$1,590,785	\$32,465	\$1,623,250

RTP Project ID refers to the corresponding project identification code used in the 2040 Regional Transportation Plan available online at [www.trpc.org](http://www.trpc.org).

**Table 3, continued**  
**Summary Table of RTIP Projects**

Project Title & Description	Agency	Regionally Significant	RTP Project ID	Phase	Year	Fund Code	Federal	State/Local	Total
<b>Asphalt/Chip Seal Preservation Thurston Regional Planning Council</b> Resurface the roadway with chip seal or hot mix asphalt to preserve the structural integrity of the roadway and extend the service life of the pavement.	WSDOT	No	-	PE	2018	NHPP	\$292,450	\$28,670	\$321,120
				PE	2018	STP	\$425,309	\$0	\$425,309
				CN	2018	STP	\$6,404,120	\$265,793	\$6,669,913
				CN	2018	NHPP	\$6,885,576	\$0	\$6,885,576
<b>I-5/Martin Way Bridge - Special Repair</b> The strip seal expansion joints on these structures have reached their usable service life and need replacement. This project will replace the strip seal expansion joints to extend the service life of the structures. Replace strip seal expansion joints on bridges 005/337W and 005/337E.	WSDOT	No	-	CN	2018	NHPP	\$781,453	\$15,948	\$797,401
<b>I-5/Capitol Lake Bridge - Foundation Repair</b> Erosion has occurred at the bridge foundation. This project will repair the damage to this structure preventing further erosion and maintain the structural integrity of this bridge. Foundation repair - retrofit for runoff on bridge 005/321.	WSDOT	No	-	PE	2020	NHPP	\$124,463	\$5,186	\$129,649
<b>I-5/McAllister Creek Br SB On - Ramp - Special Repair</b> The support columns of this structure are showing signs of corrosion in the reinforcing steel. This project proposes to repair the columns by constructing fiberglass jackets around the damaged columns to inhibit corrosion and preserve the structural integrity and extend the service life of this bridge. Repair columns on bridge 005/342W-S.	WSDOT	No	-	PE	2019	NHPP	\$112,055	\$5,237	\$117,292
<b>I-5/McAllister Creek Bridge - Special Repair</b> The support columns of this structure are showing signs of corrosion in the reinforcing steel. This project proposes to repair the columns by constructing fiberglass jackets around the damaged columns to inhibit corrosion and preserve the structural integrity and extend the service life of this bridge. Repair columns on bridge 005/342W.	WSDOT	No	-	PE	2019	NHPP	\$220,694	\$9,196	\$229,890
<b>I-5/I-5 Over Pacific Ave - Seismic Retrofit</b> This structure does not meet current seismic design standards. This project will seismically retrofit this bridge to bring it up to current seismic design standards and reduce the risk of catastrophic failure during an earthquake. Seismic retrofit bridge 5/332.	WSDOT	No	-	PE	2019	NHPP	\$124,680	\$5,165	\$129,845
<b>US 101/Black Lake Blvd Bridge - Special Repair</b> This project will repair the compression seal joint. This joint has deteriorated and the repair will increase the structural and functional integrity of the bridge.	WSDOT	No	-	PE	2018	NHPP	\$99,648	\$4,152	\$103,800
<b>Olympic Region Intersection Safety Implementation Program</b> Three intersections have been identified on the ISIP List. These dynamic warning signs will alert mainline drivers of possible entering vehicles, giving them time to react to side street vehicles that enter with inadequate gaps. This project will reduce the number and severity of fatal and serious injury crashes.	WSDOT	No	-	PE	2019	HSIP	\$44,064	\$1,836	\$45,900
<b>OR Breakaway Cable Terminal Replacement - Interstate</b> The breakaway cable terminal (W-Beam terminal) design does not meet NCHRP 350 specifications, and has been identified for active removal since 1994. This project will complete the work identified earlier and replace these devices before they are hit and the device fails to act as they were intended. Replacing them will increase the safety of the motoring public and reduces the risk to the agency.	WSDOT	No	-	PE	2018	HSIP	\$78,682	\$1,606	\$80,288
				CN	2018	HSIP	\$410,384	\$17,099	\$427,483

RTP Project ID refers to the corresponding project identification code used in the 2040 Regional Transportation Plan available online at [www.trtpc.org](http://www.trtpc.org).

**Table 3, continued**  
**Summary Table of RTIP Projects**

Project Title & Description	Agency	Regionally Significant	RTP Project ID	Phase	Year	Fund Code	Federal	State/Local	Total
<b>OR Breakaway Cable Terminal Replacement - Non-Interstate</b> The breakaway cable terminal (W-Beam terminal) design does not meet NCHRP 350 specifications, and has been identified for active removal since 1994. This project will complete the work identified earlier and replace these devices before they are hit and the device fails to act as they were intended. Replacing them will increase the safety of the motoring public and reduce the risk to the agency.	WSDOT	No	-	PE	2018	HSIP	\$13,242	\$270	\$13,512
<b>OR Redirectional Landform Mitigation</b> The use of redirectional landforms has been discontinued as a means for mitigating fixed objects along the roadway. This project proposes to either remove or shield the landform enhancing motorist safety.	WSDOT	No	-	PE	2018	HSIP	\$15,655	\$673	\$16,328
<b>17-19 OR Region Wide Basic Safety - Guard Rail</b> To address region wide structurally deficient safety features which need to be adjusted or replaced. Potential improvements may include guardrail, guardrail terminals, bridge end protection and concrete barrier where needed to sustain safety for the traveling public.	WSDOT	No	-	PE	2018	STP	\$14,400	\$600	\$15,000
<b>SR 507/Thurston Co Line to Old Hwy 99 - ADA Compliance</b> ADA curb ramps do not meet current ADA standards. Upgrading curb ramps to current standards will improve pedestrian access and has the potential to improve safety.	WSDOT	No	-	PE	2021	STP	\$143,759	\$5,990	\$149,749
<b>SR 510/S of Sitka St SW to Berry Valley Rd SE - ADA Compliance</b> ADA curb ramps do not meet current ADA standards. Upgrading curb ramps to current standards will improve pedestrian access and has the potential to improve safety.	WSDOT	No	-	RW	2021	STP	\$27,126	\$554	\$27,680
<b>SR 510/J-5 to Pacific Ave SE - ADA Compliance</b> ADA curb ramps do not meet current ADA standards. Upgrading curb ramps to current standards will improve pedestrian access and has the potential to improve safety.	WSDOT	No	-	CN	2021	STP	\$867,193	\$17,698	\$884,891
<b>US 12/Anderson Rd to Moon Rd - Safety Improvement</b> This section of highway has been identified as a Collision Analysis Corridor. By constructing a roundabout at Anderson Road, implementing access management improvements at Moon Road, and other operational improvements along the corridor, this project has the potential to reduce the frequency of collisions and enhance motorist safety.	WSDOT	No	-	PE	2020	STP	\$83,293	\$3,470	\$86,763
<b>I-5/Indian Creek - Remove Fish Barrier</b> The existing drainage structure at this location has been identified as a fish passage barrier. By replacing the existing structure with a fish passable structure, the restriction to fish passage will be eliminated. Remove fish passage barrier (990199).	WSDOT	No	-	RW	2020	STP	\$24,422	\$498	\$24,920
<b>SR 507N of Conner Rd - Culvert Replacement</b> The existing culvert in this location is experiencing structural failure. This project will replace or repair the existing culvert providing improved drainage and preserving the structural integrity of the roadway. Replace existing culvert #1130818.	WSDOT	No	-	CN	2021	STP	\$513,462	\$10,479	\$523,941
<b>SR 507N of Conner Rd - Culvert Replacement</b> The existing culvert in this location is experiencing structural failure. This project will replace or repair the existing culvert providing improved drainage and preserving the structural integrity of the roadway. Replace existing culvert #1130818.	WSDOT	No	-	RW	2021	STP	\$1,732	\$0	\$1,732
<b>SR 507N of Conner Rd - Culvert Replacement</b> The existing culvert in this location is experiencing structural failure. This project will replace or repair the existing culvert providing improved drainage and preserving the structural integrity of the roadway. Replace existing culvert #1130818.	WSDOT	No	-	PE	2020	STP	\$166,080	\$6,920	\$173,000
<b>SR 507N of Conner Rd - Culvert Replacement</b> The existing culvert in this location is experiencing structural failure. This project will replace or repair the existing culvert providing improved drainage and preserving the structural integrity of the roadway. Replace existing culvert #1130818.	WSDOT	No	-	RW	2021	STP	\$233,545	\$9,731	\$243,276
<b>SR 507N of Conner Rd - Culvert Replacement</b> The existing culvert in this location is experiencing structural failure. This project will replace or repair the existing culvert providing improved drainage and preserving the structural integrity of the roadway. Replace existing culvert #1130818.	WSDOT	No	-	STP	2020	STP	\$510,410	\$10,417	\$520,827

RTP Project ID refers to the corresponding project identification code used in the 2040 Regional Transportation Plan available online at [www.trtpc.org](http://www.trtpc.org).



**Table 3, continued**  
**Summary Table of RTIP Projects**

Project Title & Description	Agency	Regionally Significant	RTP Project ID	Phase	Year	Fund Code	Federal	State/Local	Total
<b>Pierce/Thurston County - Stormwater Retrofit</b> Stormwater runoff leaves the right of way without being treated. By replacing existing catch basins with mechanical stormwater treatment structures, and installing curbing and Compost Amended Vegetated Filter Strips, highway runoff will be directed away from sensitive areas and prevent erosion.	WSDOT	No	-	CN	2019	STP	\$165,050	\$3,368	\$168,418
<b>Fort Stevens Elementary - Pedestrian Improvements</b> Improve safety for students and pedestrians along 100th Way Southeast and Grove Road near Fort Stevens Elementary with new sidewalks and ADA compliant facilities.	Yelm	No	-	CN	2018	TAP(R)	\$397,646	\$139,069	\$536,715
<b>Mossman Ave Phase II</b> The proposed improvements will construct a new road connecting Longmire St with the new Mossman Avenue intersection. Will add bike lanes, sidewalks, street lighting, and stormwater improvements.	Yelm	Yes	-	RW	2018	State/Local	\$0	\$150,336	\$150,336
<b>Total</b>							<b>\$41,553,011</b>	<b>\$93,835,897</b>	<b>\$135,388,908</b>