



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
- Tumwater 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 Conservation District
- Thurston Economic Development Council
- Timberland Regional Library

MEMORANDUM

TO: Transportation Policy Board

FROM: Theresa Julius, Senior Planner & Transportation Modeler

DATE: September 7, 2022

SUBJECT: 2023-2026 Draft Regional Transportation Improvement Program (RTIP)

PURPOSE

Review and discuss the draft 2023-2026 Regional Transportation Improvement Program (RTIP), which go to the Thurston Regional Planning Council (TRPC) for adoption on October 7, 2022.

Summary:

- 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 1 & 2), and identify other secured and proposed transportation projects for the same period (Appendix A).
- Table 1, a summary table of the funding secured projects that must be programmed into the RTIP and the State Transportation Improvement Program (STIP), is attached.
- Printed copies of the complete text are available by request to TRPC at 2411 Chandler Court SW, Olympia, WA 98502; (360) 956-7575 in advance of the meeting. The complete text is also available online: www.trpc.org/RTIPdraft.
- The draft RTIP will undergo public review.

REQUESTED ACTION

Review and discuss the draft 2023-2026 RTIP and make a recommendation to TRPC for their consideration during adoption of the RTIP in October.

tj:bl

Attachment



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EQUITY CONSIDERATIONS

How has equity been considered in this agenda item?

The RTIP includes a wide range of transportation projects throughout Thurston County including transit, multimodal (walk and bicycle), safety, efficiency, and maintenance – identifying improvements which benefit everyone. As federally funded transportation projects receive funding and go to construction, environmental justice review will be conducted on a project-by-project basis.

BACKGROUND

What is an RTIP?

The Regional Transportation Improvement Program (RTIP) is prepared every year by Thurston Regional Planning Council (TRPC) in cooperation with local jurisdictions and the Washington State Department of Transportation (WSDOT). TRPC is designated the Metropolitan Planning Organization (MPO) for the Thurston region. 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 turn, the RTIP is used by the state to prepare the State Transportation Improvement Program (STIP).

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 and regionally significant 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 the Regional Transportation Improvement Plans (RTIP) in the four-year period and meet one or more of the following criteria:
 - a. Projects awarded federal funding by TRPC or have a high-level of certainty of federal funding within the duration of the current RTIP, as verified by the MPO
 - b. Projects awarded federal funding through State or Federal sources
 - c. WSDOT projects
 - d. Regionally significant, regardless of funding source, identified through the Regional Transportation Plan
- 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 requiring transportation planning to be coordinated and consistent with local comprehensive plans.
- 4) Appendix A identifies other programmed and planned transportation projects adopted in local six-year Transportation Improvement Programs.

Projects in the RTIP are presented in four phases, planning (PL), 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 obligate.

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 2045 Regional Transportation Plan (RTP), adopted by TRPC in July 2020.

The RTIP projects were reviewed for consistency with the RTP. While all the RTIP projects were found consistent with the 2045 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 bicycle 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 and Facebook.

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 Indian Tribe
- Confederated Tribes of the Chehalis Reservation
- Squaxin Tribe

TRPC will review all comments received during the public comment period. In addition, any project specific comment will be forwarded to the respective agency.

The role of the Transportation Policy Board is to review the draft RTIP at your September meeting and make a recommendation to TRPC regarding adoption. That recommendation will be provided to TRPC in October, for their consideration in taking action on adopting the RTIP.

Table 1 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 are available by request to TRPC at 2411 Chandler Court SW, Olympia, WA 98502; (360) 956-7575.

footnote

*Regionally Significant projects - A transportation project on a facility that serves regional transportation needs. Regionally significant projects are normally included in the modeling of the metropolitan planning area's transportation network and result in a change in vehicle capacity in the regional travel demand model.

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
Pattison MOA Rehabilitation, Expansion & Modernization										
This project will complete improvements and modernization of the Pattison Fleet Maintenance building, including pavement replacement, new stormwater system, and propane fueling station along with all remaining South parcel site improvements as required for re-development. This is a multiyear project and the funding programmed reflects the funds within the span of the STIP.	Intercity Transit	18	No	T11	CN	2023	5307	\$5,500,000	\$1,375,000	\$6,875,000
					CN	2023	5339	\$350,000	\$70,000	\$420,000
					CN	2026		\$0	\$5,407,045	\$5,407,045
Propane-Fueled Van for Dial-A-Lift Service (2024)										
Purchase of 1 Propane-Fueled Van for Dial-A-Lift service.	Intercity Transit	17	No	-	CN	2024	CMAQ	\$134,950	\$21,062	\$156,012
Walk N Roll for 2025/2026 and 2026/2027										
The Walk N Roll program reduces drive-alone trips to school and builds the next generation of safe and healthy pedestrians, cyclists, and transit users. This continuing, established, school-based public education and outreach program helps students and families to access their community through active and sustainable forms of transportation, and positively influences safe walking and bicycling behavior and improves air quality by reducing congestion and idling around schools.	Intercity Transit	5, 15	No	-	PL	2024	TA(UM)	\$258,000	\$40,266	\$298,266
Fones Road - Transportation										
Improvements will address vehicle capacity, truck access, access management, and safe and inviting bicycle and pedestrian facilities. Will include adding sidewalks, planter strips, bike lanes, streetlighting, stormwater improvements, and undergrounding of overhead utilities. A roundabout will be installed at the South Home Depot driveway to address safety concerns.	Olympia	1 - 5	Yes	C17	CN	2023	TA(UM)	\$383,775	\$320,995	\$704,770
					CN	2023		\$0	\$6,220,780	\$6,220,780
					CN	2024	CMAQ	\$463,875	\$1,139,825	\$1,603,700
					CN	2024	STBG(UM)	\$2,040,118	\$318,400	\$2,358,518
2024 County Road Safety										
These projects align with the Washington State Target Zero plan, to reduce fatal and serious injury collisions to zero by the year 2030. Install/upgrade signing, make clear zone improvements (remove fixed objects, upgrade crashworthiness of objects, flatten slopes, barriers), install rumble strips, install radar speed signs and widen shoulders (to provide for safe stopping areas), and install high friction surface treatments.	Thurston County	1 - 5	No	-	RW	2023	HSIP	\$99,000	\$11,000	\$110,000
					CN	2024	HSIP	\$2,214,000	\$246,000	\$2,460,000
Countywide Electrical Services Project (HSIP)										
Provide street lighting and channelization improvements at several locations throughout the county.	Thurston County	1-5	No	-	CN	2024	HSIP	\$1,215,000	\$135,000	\$1,350,000
Johnson Point Rd & Hawks Prairie Rd Intersection Improvements										
Reconstruction, added capacity project including the possibility of realignment, additional lanes, paved shoulders, illumination, drainage facilities, intersection control improvements, wetland mitigation and other safety features.	Thurston County	1 - 4	No	-	CN	2025	STBG(UM)	\$2,600,000	\$781,962	\$3,381,962
Little Rock Road & 113th Ave. SW Bridge and Intersection Improvements										
The project will replace the L-5 bridge and improve intersection conditions at 113th Ave SW and Little Rock Rd SW. The intersection will be improved through the addition of a left turn pocket.	Thurston County	1 - 4, 13	No	-	CN	2023	STBG(R)	\$1,762,460	\$925,258	\$2,687,718

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
Old Hwy 99 at Intersections of Sargent Rd and 201st Ave Construct a roundabout at Old Hwy 99 and 201st Avenue and a right in right out at Old Hwy 99 and Sargent Rd intersection.	Thurston County	1 - 4, 13	Yes	C22	RW	2024	STBG(USS)	\$500,000	\$78,500	\$578,500
Pacific Ave SE Grind, overlay with fiber-reinforced asphalt. Upgrade existing sidewalks and curb ramps to meet ADA requirements. Apply plastic pavement markings.	Thurston County	1 - 5, 13	No	-	CN	2023	NHPP	\$2,558,950	\$704,050	\$3,263,000
Yelm Highway SE Replace the top layer of existing pavement. Grind, overlay with fiber-reinforced asphalt, upgrade sidewalks and curb ramps to meet ADA requirements.	Thurston County	1 - 5, 13	No	-	CN	2023	NHPP	\$2,856,000	\$929,300	\$3,785,300
Thurston County Bicycle Map, 8th Edition This project will update the Thurston County Bicycle Map.	TRPC	5	No	-	PL	2023	STBG(R)	\$43,250	\$6,750	\$50,000
Israel Rd & Linderson Way Pedestrian and Bicycle Improvements Roadway and multi-modal improvements including construction of refuge island(s), reconstruction of select sidewalk segments and curb ramps, extend bike lanes, signal improvements, roadway and other improvements.	Tumwater	5	No	-	CN	2024	TA(UM)	\$620,000	\$1,290,000	\$1,910,000
Traffic Signal Controller & Detection Upgrade Replacement of controllers, detection equipment, and necessary associated hardware at various intersections throughout the City.	Tumwater	15	No	-	PE CN	2024 2025	CMAQ CMAQ	\$34,600 \$268,150	\$5,400 \$41,850	\$40,000 \$310,000
2023 OR Region Wide Safety Features - Signing Replace signing. To address region wide work and/or non-operational signing which may also include sign posts. This will assist the traveling public with sign visibility. This project is in Jefferson, Clallam, Mason, Thurston, and Grays Harbor Counties. This STIP record is for the portion of the project in Thurston County.	WSDOT - OLY	1 - 4	No	-	CN	2023	HSIP	\$156,195	\$3,188	\$159,383
Asphalt/Chip Seal Preservation Thurston Regional Planning Council 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. For a list of included projects, go to www.wsdot.wa.gov/projects/search .	WSDOT - OLY	6, 7	No	-	PE CN CN	2024 2023 2025	NHPP NHPP NHPP	\$45,562 \$2,202,801 \$346,642	\$1,822 \$201,914 \$6,933	\$47,384 \$2,404,715 \$353,575
I-5/US 12/SR 507/SR 510 Thurston & Grays Harbor Co- Remove Fish Barriers Remove fish barriers (21 sites). The existing drainage structures at these locations have been identified as a fish barrier. By replacing the existing structures with a fish passable structure, the restriction to fish passage will be eliminated. This project is in Thurston and Grays Harbor counties. This STIP record is for the portion of the project within Thurston County.	WSDOT - OLY	13	Yes	-	PE RW CN	2023 2024 2025	- - -	\$0 \$0 \$0	\$1,019,084 \$2,736,432 \$47,023,503	\$1,019,084 \$2,736,432 \$47,023,503
SR 507/N of Connor Rd - Culvert Replacement Replace existing culvert WSDOT0000009852. The existing culvert in this location is experiencing structural failure. Replace or repair the existing culvert to provide improved drainage and preserve the structural integrity of the roadway.	WSDOT - OLY	1 - 4, 10	No	-	CN	2023	STBG	\$120,065	\$2,404	\$122,469

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total	
SR 507/Vail Rd SE Intersection - Compact Roundabout											
Construct a compact roundabout. This intersection has been identified as an Intersection Analysis Location. Constructing a compact roundabout has the potential to reduce the frequency and severity of collisions and improve motorist safety.	WSDOT - OLY	1 - 4	Yes	O2	PE	2023	HSIP	\$247,778	\$21,546	\$269,324	
					CN	2024	HSIP	\$894,544	\$18,256	\$912,800	
SR 510/McAllister Ct SE & Rockcress Dr I/S - Compact Roundabout											
Construct a compact roundabout. This intersection has been identified as an Intersection Analysis Location. Constructing a compact roundabout has the potential to reduce the frequency and severity of collisions and improve motorist safety.	WSDOT - OLY	1 - 4	No	-	PE	2023	HSIP	\$91,890	\$593,707	\$685,597	
					CN	2023	HSIP	\$968,931	\$19,774	\$988,705	
SR 510/Yelm Loop - New Alignment Phase 2											
New alignment. 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 - OLY	1 - 5, 13	Yes	O13	CN	2023	-	\$0	\$50,200,000	\$50,200,000	
US 101/Black Lake Blvd Bridge - Expansion Joint Repairs											
Compression seal joint rehab - bridge 101/512. The compression seal joint has deteriorated. Repair the seal joint to increase the structural and functional integrity of the bridge.	WSDOT - OLY	10	No		PE	2025	NHPP	\$119,040	\$4,960	\$124,000	
					CN	2026	NHPP	\$317,358	\$6,476	\$323,834	
US 101/On Ramp to NB I-5 - Bridge Painting											
Clean and paint steel bridge 101/515 E-N. The steel components of this structure require cleaning and painting to delay deterioration. Clean and paint the structure to extend the service life of the bridge.	WSDOT- OLY	10	No	-	PE	2023	NHPP	\$505,800	\$21,075	\$526,875	
					CN	2023	NHPP	\$4,814,074	\$98,246	\$4,912,320	
I-5/North Lewis County Interchange											
Construct new interchange or alternate improvements. This record contains half the project costs. See SWW RTPO record, 400526I21A	WSDOT-SW	12, 14	Yes	-	PE	2023	-	\$0	\$3,250,000	\$3,250,000	
					CN	2023	-	\$0	\$2,000,000	\$2,000,000	
Coates Ave NW - Killion to Cullens RD											
Project will provide new roadway on Coates Avenue NW between Killion Road and Cullens Road. Project will include sidewalks, curbs, gutters, full utilities, street lights, stormwater, water, sewer, S.T.E.P. (septic tank effluent pumping), reclaimed water services for landscaping and irrigation systems, power, gas, and a future fiber system for SCADA (Supervisory control and data acquisition).	Yelm	3, 5	Yes	A28	PE	2025	-	\$0	\$95,000	\$95,000	
								<i>Total</i>	<i>\$34,732,808</i>	<i>\$127,392,763</i>	<i>\$162,125,571</i>

RTP Project ID refers to the corresponding project identification code used in the 2045 Regional Transportation Plan available online at www.trpc.org.

Table 1 *Performance Measure

*Performance Measure (see Appendix D for more details):	
1.	Number of fatalities on all public roads
2.	Number of fatalities per 100 million vehicle miles traveled (VMT) on all public roads
3.	Number of serious injuries on all public roads
4.	Number of serious injuries per 100 million VMT on all public roads
5.	Number of non-motorist fatalities and serious injuries on all public roads
6.	Percent of Interstate Pavement on the National Highway System in good condition
7.	Percent of Interstate Pavement on the National Highway System in poor condition
8.	Percent of non-Interstate Pavement on the National Highway System in good condition
9.	Percent of non-Interstate Pavement on the National Highway System in poor condition
10.	Percent of National Highway System Bridges classified in good condition (weighted by deck area)
11.	Percent of National Highway System Bridges classified in poor condition (weighted by deck area)
12.	Percent of person-miles traveled on the Interstate System that are reliable
13.	Percent of person-miles traveled on the Non-Interstate National Highway System that are reliable
14.	Truck Travel Time Reliability (TTTR) Index (on the Interstate System)
15.	Particulate Matter less than 10 microns (PM10) (kg/day)
16.	Equipment: The percentage of non-revenue service vehicles (by type) that meets or exceeds the (ULB)
17.	Rolling Stock: The percentage of revenue vehicles (by type) that meets or exceeds the ULB (Buses, Paratransit Vans, and Vanpools)
18.	Facilities: The percentage of facilities (by group) that are rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale
19.	Fatalities: Total number of fatalities reported to National Transit Database (NTD) and rate per total vehicle revenue miles (VRM) by mode.
20.	Injuries: Total number of injuries reported to NTD and rate per total VRM by mode.
21.	Safety Events: Total number of safety events reported to NTD and rate per total VRM by mode.
22.	System Reliability: Mean distance between major mechanical failures by mode.
Note: modes for transit safety performance targets are fixed route, paratransit, and vanpool.	