



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: Thurston Regional Planning Council

FROM: Theresa Julius, Transportation Modeler

DATE: August 27, 2021

SUBJECT: 2022 – 2025 Draft Regional Transportation Improvement Program (RTIP)

PURPOSE

Review and discuss the draft 2022 – 2025 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 1 & 2), 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, or calling (360) 956-7575 in advance of the meeting. The complete text is also available online: <http://www.trpc.org/RTIPdraft>.
- 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.

REQUESTED ACTION

Review and discuss the draft 2022 – 2025 Regional Transportation Improvement Program. This item will be brought to TRPC for action in October.

tj:bm

Attachment



Marc Daily
Executive Director

2411 Chandler Court SW
Olympia, WA 98502
360-956-7575
360-741-2545 Fax
www.trpc.org

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, 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 Programs (RTIP) in the four-year period and meet one or more of the following criteria:
 - a. Have federal funding or have a high-level of certainty of federal funding within the duration of the current RTIP, as verified by the MPO.
 - b. Are WSDOT projects.
 - c. Are 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 requiring transportation planning to be coordinated and consistent with local comprehensive plans.
- 5) It 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 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 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 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 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, or calling (360) 956-7575.

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
Martin Way Park & Ride Direct Access										
Preliminary design, engineering, environmental review and construction for proposed direct transit only direct access to Martin Way Park & Ride (MWPR).	Intercity Transit	18	No	-	PE	2022	-	-	\$437,500	\$437,500
					CN	2023	-	-	\$2,253,500	\$2,253,500
Pattison Maintenance and Operations Base Rehabilitation and Expansion										
This project will complete improvements on the North parcel portion of the Pattison Maintenance, Operations and Administrative Base (MOA) Rehabilitation and Expansion project including the development of a new Administrative building, a new fuel, wash and maintenance facilities building, and remaining North parcel site improvements as required under the Development Permit. This is a multiyear project and the funding programmed reflects the funds within the span of the STIP.					CN	2022	-	-	\$11,550,364	\$11,550,364
	Intercity Transit	18	No	-	CN	2022	5307	\$3,934,600	\$983,650	\$4,918,250
					CN	2022	5339	\$330,000	\$82,500	\$412,500
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	-	CN	2022	5339(b)	\$16,301,700	\$4,075,425	\$20,377,125
					CN	2024	-	-	\$1,622,875	\$1,622,875
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 2023/2024 and 2024/2025										
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	2022	TAP(US)	\$258,000	\$40,266	\$298,266
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	TAP(US)	\$258,000	\$40,266	\$298,266
Citywide Signal ITS Detection Upgrade										
Replace detection systems at multiple intersections	Lacey	15	No	-	CN	2024	CMAQ	\$298,425	\$46,575	\$345,000
College Street Corridor Improvements Phase 4										
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 a traffic control roundabout at 29th Avenue SE.	Lacey	1 - 5, 13	Yes	C42	PE	2022	STP(US)	\$1,478,648	\$230,771	\$1,709,419
Electric Vehicle Charging Stations										
Partnered with North Thurston Public Schools. This project will install electric vehicle charging stations at public facilities.	Lacey	15	No	-	CN	2022	CMAQ	\$259,500	\$40,500	\$300,000

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
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.					CN	2022	-	-	\$6,000,000	\$6,000,000
					CN	2023	TAP(US)	\$383,775	\$320,995	\$704,770
	Olympia	1 - 5	Yes	-	CN	2023	CMAQ	\$463,875	\$1,139,825	\$1,603,700
					CN	2023	STP(US)	\$2,040,118	\$318,400	\$2,358,518
					CN	2023	-	-	\$3,333,012	\$3,333,012
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.					PE	2022	HSIP	\$270,000	-	\$270,000
	Thurston County	1 - 5	No	-	RW	2023	HSIP	\$110,000	-	\$110,000
					CN	2024	HSIP	\$2,460,000	-	\$2,460,000
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.					PE	2022	-	\$0	\$240,000	\$240,000
	Thurston County	1 - 4	No	-	RW	2022	STP(US)	\$367,000	\$58,000	\$425,000
					CN	2024	STP(US)	\$2,600,000	\$427,000	\$3,027,000
Littlerock 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 Littlerock Rd SW. The intersection will be improved through the addition of a left turn pocket.	Thurston County	1 - 4, 13	No	-	RW	2022	-	-	\$50,000	\$50,000
					CN	2023	STP(R)	\$1,762,460	\$602,040	\$2,364,500
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	-	PE	2023	STP(US)	\$400,000	\$63,000	\$463,000
					RW	2023	STP(US)	\$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.					PE	2022	NHPP	\$241,000	\$43,000	\$284,000
	Thurston County	1 - 5, 13	No	-	RW	2022	-	-	\$50,000	\$50,000
					CN	2023	NHPP	\$2,559,000	\$507,000	\$3,066,000
US 12 / Sargent Road Roundabout										
Construct a single lane roundabout at the intersection of US 12 and Sargent Rd. Designed with the ability to expand in the future to two lanes on the east and west approaches.	Thurston County	1 - 5, 13	Yes	-	CN	2022	-	-	\$3,410,000	\$3,410,000
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.					PE	2022	NHPP	\$244,000	\$44,000	\$288,000
	Thurston County	1 - 5, 13	No	-	RW	2022	-	-	\$50,000	\$50,000
					CN	2023	NHPP	\$2,856,000	\$506,000	\$3,362,000

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
SFY 2023 Regional Transportation Planning Priorities										
Planning activities in the work program of regionally determined transportation initiatives. See TRPC UPWP.	TRPC	1 - 5, 13	No	-	PL	2022	STP(US)	\$700,000	\$109,249	\$809,249
Thurston County Bicycle Map, 8th Edition										
This project will update the Thurston County Bicycle Map.	TRPC	5	No	-	PL	2023	STP(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	-	PE	2022	TAP(US)	\$43,250	\$6,750	\$50,000
					CN	2024	TAP(US)	\$620,000	\$124,017	\$744,017
Traffic Signal Controller & Detection Upgrade										
Replacement of controllers, detection equipment, and necessary associated hardware at various intersections throughout the City.	Tumwater	15	No	-	PE	2022	CMAQ	\$34,600	\$5,400	\$40,000
					CN	2024	CMAQ	\$268,150	\$41,850	\$310,000
X Street Roundabout										
Roundabout in keeping with Capitol Boulevard Corridor Plan.	Tumwater	1 - 4, 13	Yes	-	PE	2023	-	-	\$60,000	\$60,000
					RW	2023	STP(US)	\$866,470	\$1,633,530	\$2,500,000
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	2022	-	-	\$500,000	\$500,000
					PE	2025	-	-	\$1,000,000	\$1,000,000
2021 OR Region Wide Safety Features - 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. Replace signing.	WSDOT - OLY	1 - 4	No	-	CN	2022	HSIP	\$123,145	\$2,513	\$125,658
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 .					PE	2022	NHPP	\$364,719	\$14,589	\$379,308
					PE	2024	NHPP	\$89,520	\$3,581	\$93,101
	WSDOT	6, 7	No	-	CN	2022	-	-	\$317,386	\$317,386
					CN	2023	NHPP	\$4,862,748	\$135,992	\$4,998,740
					CN	2025	NHPP	\$791,729	\$15,835	\$807,564
I-5/Capitol Lake Bridge - Foundation Repair										
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	10	No	-	PE	2022	NHPP	\$131,491	\$5,479	\$136,970
					CN	2023	NHPP	\$624,236	\$12,740	\$636,976
I-5/McAllister Creek Bridges - Repair Bridge Piles										
Many of the submerged concrete piles have large cracks & delamination due to corrosion of the reinforcing steel. Clean and place full height steel jackets on the piles to extend the service life of this structure. Clean and place steel jackets around bridges piles 5/342E, 342W, 342W-S.	WSDOT	10	No	-	CN	2022	NHPP	\$391,446	\$7,989	\$399,435
I-5/Nisqually Overflow Bridge - Expansion Joint Repairs										
The expansion joints have reached the end of their usable service life. Rehabilitate the expansion joints to preserve the structural integrity and extend the service life of the bridge. Rehabilitate expansion joints 005/344W.	WSDOT	10	No	-	PE	2025	NHPP	\$42,196	\$1,759	\$43,955
					CN	2025	NHPP	\$225,651	\$4,605	\$230,256

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
I-5/US 101 Interchange - Install Concrete Barrier This location has multiply hits to the guardrail and the back side of the guardrail is a vertical wall making it extremely difficult for maintenance to repair. By replacing the guardrail section of the ramp with barrier it may decrease the difficulty of repairs in this location. Replace guardrail with concrete barrier on ramp 005 Q1 10481.	WSDOT	1 - 4	No	-	CN	2022	HSIP	\$503,682	\$10,279	\$513,961
I-5/US 12/SR 507/SR 510 Thurston & Grays Harbor Co- Remove Fish Barriers 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. Remove fish barriers (21 sites).	WSDOT	10	No	-	PE	2023	-	-	\$761,905	\$761,905
					RW	2024	-	-	\$2,023,680	\$2,023,680
					CN	2024	-	-	\$34,859,965	\$34,859,965
OR Breakaway Cable Terminal Replacement - Freeways The Breakaway Cable Terminal (BCT) does not meet NCHRP 350 specifications. The BCTs will be removed and replaced with guardrail terminals meeting current standards reducing the risk of injury collisions at these locations. Replace breakaway cable terminals on freeway and freeway ramps.	WSDOT	1 - 4	No	-	CN	2023	HSIP	\$287,918	\$5,876	\$293,794
SR 507/N of Conner Rd - Culvert Replacement 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. Replace existing culvert WSDOT0000009852.	WSDOT	1 - 4, 10	No	-	PE	2022	STP	\$141,882	\$5,912	\$147,794
					CN	2023	STP	\$117,800	\$2,404	\$120,204
SR 507/Vail Rd SE Intersection - 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. Construct a compact roundabout.	WSDOT	1 - 4	No	-	PE	2023	HSIP	\$240,856	\$20,944	\$261,800
					CN	2024	HSIP	\$836,528	\$17,072	\$853,600
SR 510/McAllister Ct SE & Rockcross Dr I/S - 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. Construct a compact roundabout.	WSDOT	1 - 4	No	-	PE	2023	HSIP	\$242,696	\$21,104	\$263,800
					CN	2024	HSIP	\$849,856	\$17,344	\$867,200
SR 510/Yelm Loop - New Alignment Phase 2 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	1 - 4, 13	Yes	O13	PE	2022	-	\$0	\$3,200,000	\$3,200,000
					CN	2023	-	\$0	\$50,200,000	\$50,200,000
US 101/Black Lake Blvd Bridge - Expansion Joint Repairs The compression seal joint has deteriorated. Repair the seal joint to increase the structural and functional integrity of the bridge. Compression seal joint rehab - bridge 101/512.	WSDOT	10	No	-	PE	2025	NHPP	\$119,520	\$4,980	\$124,500
					CN	2025	NHPP	\$309,819	\$6,323	\$316,142
US 101/Mud Bay Bridges - Repair Bridge Piles Many of the submerged concrete piles have large cracks & delamination due to corrosion of the reinforcing steel. Clean and place full height fiber reinforced polymer jackets on the piles to extend the service life of the structure. Clean and place fiber reinforced polymer on bridge piles 101/508E & 508W.	WSDOT	10	No	-	CN	2022	NHPP	\$990,718	\$20,219	\$1,010,937

Project Title & Description	Agency	Performance* Measure	Regionally Significant	RTP Project ID or ITS Arch.	Phase	Year	Federal Fund Code	Federal	State/Local	Total
Mosman Ave Phase II The improvements will construct a new road connecting Longmire St with the new Mosman Avenue intersection. Will add bike lanes, sidewalks, street lighting, and stormwater improvements. Improvements include construction of new road from Longmire St to Solberg St, and reconstruction of Mosman Ave between Solberg St and Railroad St.	Yelm	1-5, 13	Yes	A22	CN	2022	TAP(US)	\$142,000	\$189,691	\$331,691
					CN	2022	STP(US)	\$492,608	\$657,901	\$1,150,509
							<i>Total</i>	<i>\$56,009,535</i>	<i>\$134,701,639</i>	<i>\$190,711,174</i>

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