



THURSTON COUNTY

WASHINGTON

SINCE 1852

PUBLIC WORKS



# TRANSPORTATION IMPROVEMENT PROGRAM

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2024-2029



# Resolution

RESOLUTION NO. 16340

A RESOLUTION relating to the adoption of Thurston County's Six-Year Transportation Improvement Program for the calendar years 2024-2029, and the adoption of the 2024 Annual Road Program.

WHEREAS, pursuant to RCW 36.81.121 and Chapter 136-15 WAC, prior to the adoption of the budget, the county legislative authority, with the advice and assistance of the county road engineer, and after one or more public hearings thereon, shall prepare and adopt a comprehensive transportation program for the ensuing six calendar years; and

WHEREAS, the County Engineer has submitted to the Board of County Commissioners the 2024-2029 Transportation Improvement Program for review and approval; and

WHEREAS, priority arrays and the 2023 Bridge Index were available and were consulted during the preparation of the Six-Year Transportation Program pursuant to WAC 136-14-050 and WAC 136-20-060; and

WHEREAS, the Board of County Commissioners finds that the 2024-2029 Six-Year Transportation Program is consistent with the Thurston County Comprehensive Plan; and

WHEREAS, a public hearing on the proposed Six-Year Transportation Improvement Program for Thurston County for the calendar years 2024-2029 was held on September 26, 2023; and

WHEREAS, the Board of County Commissioners, after considering the testimony presented at the public hearing, finds that the 2024-2029 Six-Year Transportation Improvement Program is necessary and required, and should be adopted; and

WHEREAS, pursuant to RCW 36.81.130 and Chapter 136-16 WAC, the county legislative authority shall adopt an annual road program prior to the adoption of the budget for the ensuing year; and

WHEREAS, the County Engineer has submitted to the Board of County Commissioners a recommended Annual Road Program for the laying out, construction, and maintenance of County roads for 2024; and

WHEREAS, the Board of County Commissioners has considered the recommended 2024 Annual Road Program, has made all revisions deemed necessary, and has determined that the program conforms as nearly as practicable to the County's long range road program; and

WHEREAS, the Board of County Commissioners finds that all the requirements and elements of a Six-Year Transportation Program pursuant to RCW 36.81.121 and RCW 36.81.122, and Chapter 136-15 WAC, and the requirements and elements of an Annual Road Program pursuant to RCW 36.81.130 and Chapter 136-16 WAC are incorporated into each Program; and

WHEREAS, the adoption of the Six-Year Transportation Improvement Program and Annual Road Program by the Board of County Commissioners authorizes the County Engineer to approve right-of-way plans in accordance with the projects set forth in the Transportation Improvement Program and Annual Road Program;

NOW, THEREFORE, the Board of County Commissioners of Thurston County, State of Washington, does resolve as follows:

Section 1. The Six-Year Transportation Improvement Program for Thurston County, as attached hereto and by this reference incorporated herein, is hereby adopted for the calendar years 2024-2029.

Section 2. The 2024 Annual Road Program, as attached hereto and by this reference incorporated herein, is hereby adopted.

Section 3. The Board of County Commissioners hereby certifies that priority arrays and the engineer's report with respect to deficient bridges were available to the Board during the preparation of the Six-Year Transportation Improvement Program.

Section 4. Copies of this resolution, the 2024-2029 Six-Year Transportation Improvement Program, and the 2024 Annual Road Program shall be filed with the County Road Administration Board not more than 30 days after their adoption by the Board of County Commissioners.

Section 5. Copies of this resolution and the 2024-2029 Six-Year Transportation Improvement Program shall be filed with the Secretary of the Washington State Department of Transportation not more than 30 days after their adoption by the Board of County Commissioners.

ADOPTED: December 15, 2023

ATTEST:

Garmin Caldwell  
Clerk of the Board

APPROVED AS TO FORM:

JON TUNHEIM  
PROSECUTING ATTORNEY

By: Karen Horan  
Deputy Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS  
Thurston County, Washington

C. M. [Signature]  
Chair

B. [Signature]  
Vice-Chair

W. [Signature]  
Commissioner

E. [Signature]  
Commissioner

D. [Signature]  
Commissioner

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# Overview

## Transportation improvement programs and projects

This document outlines Thurston County’s transportation program, including statutory requirements, project prioritization, program groups, identified construction needs and projects, as well as revenues and expenditures for capital and road fund budgets. It is prepared as part of the annual update to Thurston County Comprehensive Plan Chapter 6 - Capital Facilities. Chapter 5 lists Thurston County’s 1-year construction projects, 6-year project priorities, and 20-year growth management projects scheduled for funding.

The Transportation Improvement Program (TIP) is submitted to the Thurston Regional Planning Council (TRPC) for review and inclusion in the Regional Transportation Improvement Program annual update. TRPC reviews projects receiving federal funding to ensure expenditures are consistent with regionally-adopted goals and plans.

Prepared as required in the Revised Code of Washington Chapters 36.81 and Washington Administrative Code 136, Chapters 15 and 16, counties must file adopted programs annually with the State Department of Transportation and the County Road Administration Board (CRAB). The program plan must include projects funded by the Transportation Improvement Board (TIB) and CRAB. This annual update also informs other jurisdictions of Thurston County's current planning direction for transportation needs.

### Thurston County’s Comprehensive Plan Transportation Goals

Thurston County’s Comprehensive Plan, Chapter 5 - Transportation, details the county goals which guide the type of transportation improvement projects Thurston County Public Works plans and builds.

- GOAL 1:** Enhance the safety and security of those who use, operate, and maintain the transportation system.
- GOAL 2:** Ensure the design, function, and capacity of transportation facilities are consistent with and support sustainable, economically vibrant, healthy urban, suburban, and rural communities.
- GOAL 3:** Provide mobility for all residents, regardless of age, handicap, or income.
- GOAL 4:** Protect investments that have been made in the transportation system.
- GOAL 5:** Create and preserve a transportation system that supports and promotes economic vitality.
- GOAL 6:** Support a rail network that provides viable options for passenger, freight, and shared-use rail.
- GOAL 7:** Support appropriate infrastructure to meet the aviation needs of residents and businesses in the region.
- GOAL 8:** Support appropriate marine infrastructure to meet the needs of residents and businesses in the region.
- GOAL 9:** Ensure transportation facilities and programs function seamlessly across community borders and between regions.
- GOAL 10:** Minimize transportation impacts on the natural environment and the people who live and work in the Thurston County region.



# Chapter 1

## Legal and regulatory requirements

### RCW 36.40.020

**Purpose**  
Requires the County Commissioners to annually submit a detailed statement showing all new road and bridge construction to be financed from the county road fund, and issued bonds, if any. For the ensuing fiscal year, the statement must also show the county road engineer's estimated construction costs for road and bridge maintenance.

**How does Thurston County meet this requirement?**  
New road and bridge construction, as well as maintenance and roads preservation budgets for county roads and bridges are submitted as part of the Public Works budget and are identified as 2024 forecasted expenditures in Chapter 3.

### RCW 36.81.121

**Purpose**  
Requires the county legislative authority to adopt a revised and extended comprehensive transportation improvement program for six years. Assures that each county will perpetually create advanced plans to guide the implementation of a coordinated transportation program.

**How does Thurston County meet this requirement?**  
Thurston County's current 2023-2028 Transportation

Improvement Program (TIP) was adopted December 2022. Public Works will present the 2024-2029 TIP to the Board of County Commissioners in late 2023 for adoption.

### RCW 36.81.130

**Purpose**  
Requires a county legislative authority approve an annual road program prior to adopting a budget for the ensuing six-year period.

**How does Thurston County meet this requirement?**  
Thurston County Annual Road Construction Program is prepared in conjunction with the TIP prior to adoption of the budget for the ensuing six-year period. It can be found in Chapter 5.

### RCW 36.82

**Purpose**  
Requires the creation of a road fund for each county in the state. Any county funds which accrue for use on county roads must be credited to and deposited in the county road fund.

**How does Thurston County meet this requirement?**  
Thurston County Public Works has established a road fund (no. 1190) and manages the fund in accordance with the requirements of RCW 36.82.

### RCW 36.70A

**Purpose**  
Requires counties and cities to develop comprehensive land use plans, including construction and transportation planning.

**How does Thurston County meet this requirement?**  
Thurston County develops and updates a Comprehensive Plan and a Capital Facilities Plan that manages growth and development. This TIP developed by the Thurston County Public Works Department, is used as a basis for the transportation projects in the Capital Facilities Plan, Chapter 6 of the Comprehensive Plan.

### RCW 82.02.050

**Purpose**  
Allows the county to assess a Transportation Impact Fee for all new development. The fee provides funds for transportation-related projects that help the county meet growing infrastructure demands resulting from new development. County code requires Public Works to provide information about fees collected, and how they are used.

**How does Thurston County meet this requirement?**  
Chapter 3 of this document provides information on the fees collected in 2022 and the amounts used for transportation-related projects.

# Legal and regulatory requirements

## WAC 136-14

**Purpose**

Requires counties to use a documented prioritization method for road construction projects. This assures dedicated fuel tax funds are used in accordance with their constitutional and statutory purposes.

**How does Thurston County meet this requirement?**

The TIP follows a prioritization process for ranking projects in different project groups. The process scores each project to determine the priority projects described in the TIP. The priority process is outlined in Chapter 4.

## WAC 136-15

**Purpose**

Requires the development of a six-year program forecast that considers priorities and fiscal capabilities. Assures citizens can see and affect decisions made regarding county transportation needs and priorities. The six-year forecast provides a foundation for effective annual programming decisions.

**How does Thurston County meet this requirement?**

Public Works has a process to score projects for priority status. The draft TIP is advertised for public review and comment and is available on Public Work's website. The TIP demonstrates that expenditures do not exceed revenues.

## WAC 136-16

**Purpose**

Requires the County Engineer to provide an annual road program to the Board of County Commissioners with recommendations for all road and bridge construction projects and road equipment purchases for the ensuing year.

**How does Thurston County meet this requirement?**

The TIP includes all road and bridge construction project recommendations for the ensuing year in Chapter 5, Planned Transportation Projects. Equipment purchases for the ensuing year are captured in Chapter 3, Revenue and expenditures.

## WAC 136-20

**Purpose**

Requires the County Engineer to have county bridges regularly inspected and provide an annual bridge inspection report. In addition, it requires staff to consult the annual bridge report when selecting projects for the six-year TIP.

**How does Thurston County meet this requirement?**

The bridge projects listed in the TIP are derived from the annual Thurston County Bridge Inspection Index submitted to the Board of County Commissioners in this report, Chapter 8.

## WAC 197-11

**Purpose**

Requires staff to implement uniform SEPA procedures in compliance with statewide regulations. Environmental review is required unless categorically exempt per WAC 197-11-800.

**How does Thurston County meet this requirement?**

All Thurston County Public Works projects are reviewed under the Washington State Environmental Policy Act and follow the appropriate review processes or fall under the appropriate categorical exemption.

# Chapter 2

## Funding sources

### Property taxes

**Purpose**

The portion of property taxes collected for the county road fund is called a road levy. These funds are used in the administration, engineering, construction, maintenance, and operation of the public road and bridge system in unincorporated areas. More than half is used on maintenance and operation of existing county roadways and bridges. They are also used to “match” state or federal transportation improvement funding programs.

**Amount collected in 2022**

\$.90 per \$1,000 of assessed property value, totaling **\$20.6 Million**.

### Motor vehicle fuel taxes

**Purpose**

Revenue from the motor vehicle fuel tax is distributed to the Thurston County road fund. These funds are used for roadway maintenance and capital projects.

**Amount collected in 2023**

All counties within the state receive a share of the gas tax based on population, road miles, and other factors. In 2023, the Washington State County Road Administration Board estimates Thurston County will receive **\$5.2 Million** in motor vehicle fuel taxes.

### Transportation impact fees

**Purpose**

Charged on new development, these fees pay for capital projects that improve the transportation system and accommodate travel demand caused by new development. Revenues are distributed to the capital projects fund.

**Authority**

Pursuant to RCW 82.02.050, the Board of County Commissioners passed Ordinance 14819, authorizing assessment of transportation impact fees for land development actions. The ordinance was adopted December 2012 and updated August 2021.

**Amount collected**

The amount varies from year-to-year. However, since 2013, between \$750,000 to \$1.91 Million has been collected annually.

### Federal programs

The Fixing America’s Surface Transportation (FAST) Act is the federal law authorizing funding for surface transportation infrastructure planning and investment/construction. The federal funding programs for County roads and bridges are selected by the county Metropolitan Planning Organization (MPO), which is Thurston Regional Planning Council (TRPC), by Washington State Department of Transportation (WSDOT), or by Regional Federal Highway

Administration’s (FHWA) are administered by the WSDOT local programs Olympic Region office.

Federal fund contributions are typically 80% to 100%, with non-federal money typically required for the match.

The following descriptions provide specifics on each federal and state funding program.

#### Local Bridge Program

**Purpose**

This program funds the replacement or rehabilitation of roadway bridges conveying public roads over waterways, railroads, adjacent roads, canals, ferry landings, and other barriers. These projects include deteriorating structures or obsolete features. Typical projects may include total replacement of a bridge near its current location, replacement by a new structure in the same corridor, or rehabilitation/replacement of structural members to increase bridge integrity and lifespan.

**Share and local match**

#### Funding Sources Overview

- Property taxes
- Motor vehicle fuel tax
- Transportation impact fees
- Federal & state funding programs



Federal share is generally 80% with a 20% local match. Preventative maintenance projects are limited to a maximum of \$3 million in federal funds, with a 10% local match.

## Emergency Relief Program

### Purpose

This program provides supplemental funds to states, their political subdivisions, and other federal agencies, to repair or reconstruct roads damaged by natural disasters or catastrophic failures from an external cause. The extent and intensity of the disaster determines if these funds can be used. Damage to highways must be severe, occur over a wide area, and result in unusually high expenses to the highway agency. To receive funding for catastrophic failures from external cause(s), the failure cannot be the result of an inherent flaw in the facility, and a natural disaster must be declared.

### Share and local match

Emergency relief funding is available to each state for each natural disaster or catastrophic failure eligible for funding. The federal share is 80% with a 20% local match.

## Federal Lands Access Program

### Purpose

This program provides funding for projects on federal lands that are located on or adjacent to, or that provide access to, federal lands. Funds are distributed by formula among states that have federal lands managed by the National Park Service, the U.S. Forest Service, the U.S. Fish and Wildlife Service, the Bureau of Land Management, and the U.S. Army Corps of Engineers.

### Share and local match

\$250 million is provided annually for projects that improve access to the federal lands on infrastructure

owned by states and local governments. Programming decisions will be made locally using a tri-party model comprised of representatives from the FHWA, WSDOT, and local government.

## Highway Safety Improvement Program

### Purpose

This program allows states to target funds toward critical safety needs to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non state-owned public roads and tribal land roads. States must develop and implement a safety plan that identifies highway safety programs and a performance-based strategy to address them. A new special rule for high risk rural roads will require funds if the fatality rate increases.

### Share and local match

The federal share is 90% with a 10% local match except for certain safety projects which can be up to 100%.

## Surface Transportation Block Grant

### Purpose

This program funds the construction, reconstruction, resurfacing, restoration, and rehabilitation of roads federally classified as arterials or collectors. Additionally, it supports funding for transportation enhancements, operational improvements, highway and transit safety improvements, surface transportation planning, capital and operating costs for traffic management and control, carpool and vanpool projects, development and establishment of management systems, participation in wetland mitigation and wetland banking, bicycle facilities, and pedestrian walkways. Eligible projects must be on the regional transportation improvement program and ranked high enough in the regional or countywide project selection process.

### Share and local match

The distribution of funds is based on the amounts of funds each State receives; however, funding is based on a maximum federal share of 86.5% with a 13.5% local match. Certain safety projects can be federally funded up to 100%.

## Safe Routes to School Program

### Purpose

Administered through WSDOT, Washington's safe routes to school program provides technical assistance and resources to cities, counties, schools, school districts and state agencies for improvements that get more children walking and bicycling to school safely, reduce congestion around schools, and improve air quality. Funding for this program comes from a variety of federal and state fees and taxes.

### Share and local match

Selected projects are eligible for 100% cost reimbursement. No local match required.

## Pedestrian and Bicycle Program

### Purpose

Administered through WSDOT, the Pedestrian and Bicycle Program objective is to improve the transportation system to enhance safety and mobility for people who choose to walk or bike.

### Share and local match

Selected projects are eligible for 100% cost reimbursement. No local match required.

# State programs

There are various funding sources administered at the state level. Competitive funding programs for counties are administered by the **Transportation Improvement Board (TIB)**, The TIB administers the Urban Arterial Program and the Sidewalk Program.

The **County Road Administration Board (CRAB)** is a state agency responsible for providing accountability through standards of good practice, fair administration of funding programs, and engineering and technology assistance to the 39 Washington State County Road Departments in accordance with (RCW 36.78.070). CRAB administers the Rural Arterial Program.

Most of the state funding for these programs originates from the motor vehicle fuel tax.

## Urban Arterial Program

### Purpose

Administered through the TIB, this program supports projects meeting statewide transportation priorities: safety, growth & development, physical condition, mobility, and sustainability & constructability.

### Share and local match

Selected projects are eligible for a cost reimbursement with maximum of 80% reimbursement with a 20% local match.

## Sidewalk program

### Purpose

Administered through the TIB, projects funded under this

program are required to improve pedestrian safety, access, connectivity, and address system continuity.

Completed projects must be consistent with the Americans with Disabilities Act.

### Share and local match

Selected projects are eligible for a cost reimbursement up to 80% with a 20% local match.

## Rural Arterial Program

### Purpose

Administered through CRAB, this program provides funding to counties for improvements on rural arterial roads. It uses a portion of the motor vehicle fuel tax to finance projects. Projects are selected based on accident history, roadway alignment, traffic volume, roadway structural condition, and local significance.

### Share and local match

Selected projects are eligible for a cost reimbursement up to 90% with a 10% local match.

## County Arterial Pavement Preservation Program (CAPP)

### Purpose

Administered through CRAB, this program funds counties in the implementation of their pavement management programs, including surveys, condition assessment, and resurfacing activities. This program funds Thurston County’s Road Preservation and Chipseal Programs.

### Share and local match

Varies annually, depending on local program funding.

# County transportation related budget funds

Revenue from the taxes, fees, and grants described above contribute to the Department of Public Works two primary transportation-related budget funds: 1190 and 3010.

## Fund 1190 (Road Budget Fund)

Fund 1190 generally pays for operations, maintenance, system preservation, administration, indirect costs, and provides an annual transfer to the construction fund. Most revenue is from the property tax road levy and the motor vehicle fuel tax. As required in WAC 136-15-030, the TIP includes a revenue and expenditure summary, by source and expense category (see next chapter).

## Fund 3010 (Capital Budget Fund)

Fund 3010 generally pays for capital construction projects, such as culverts, mobility improvements, bridges, and other related programs. Most revenue is from federal and state grants, transfer from the road fund, and impact fees. As required in WAC 136-15-030, the TIP includes a revenue and expenditure summary, by source and expense category (see next chapter).

# Chapter 3

## Transportation–related revenues and expenditures

### Transportation Impact Fees

Charged on new development, these fees pay for capital projects that improve the transportation system and accommodate travel demand caused by new development.

#### 2022 Revenue

**Total**                    **\$1,776,180**

#### 2022 Expenditures

\$250,000	Reimbursement of previously built projects
\$254,852	US 12/Sargent Rd Roundabout
\$250,000	Yelm Hwy/Meridian Intersection
\$163,014	Marvin Rd – Pacific Ave/SR 510 to Mullen
\$101,466	Johnson Point Rd & Hawks Prairie Rd Intersection
\$ 15,544	Littlerock Rd/113th Intersection
\$ 11,557	Sargent Rd NW (US 12 to Old Hwy 99)
\$ 538	Old Hwy 99/Tilley Rd Intersection
\$ 1,286	Indirect Costs
<b>Total</b>	<b>\$1,048,257</b>

#### Transportation Impact Fees fund

Beginning balance:	<b>\$8,509,540</b>
Investment earnings:	<b>\$91,514</b>
<b>Fund Total:</b>	<b>\$10,377,234</b>
<b>2022 Expenditures:</b>	<b>\$1,048,257</b>

Thurston County Public Works

### Revenues and expenditures overview

- Transportation Impact Fees
  - 2022
- Road Fund 1190 Forecasts
  - 2024
  - 2025
  - 2026
  - 2027-2029
- Capital Construction Fund 3010
  - 2024 (revenues only)

**Net available Transportation Impact Fees:**

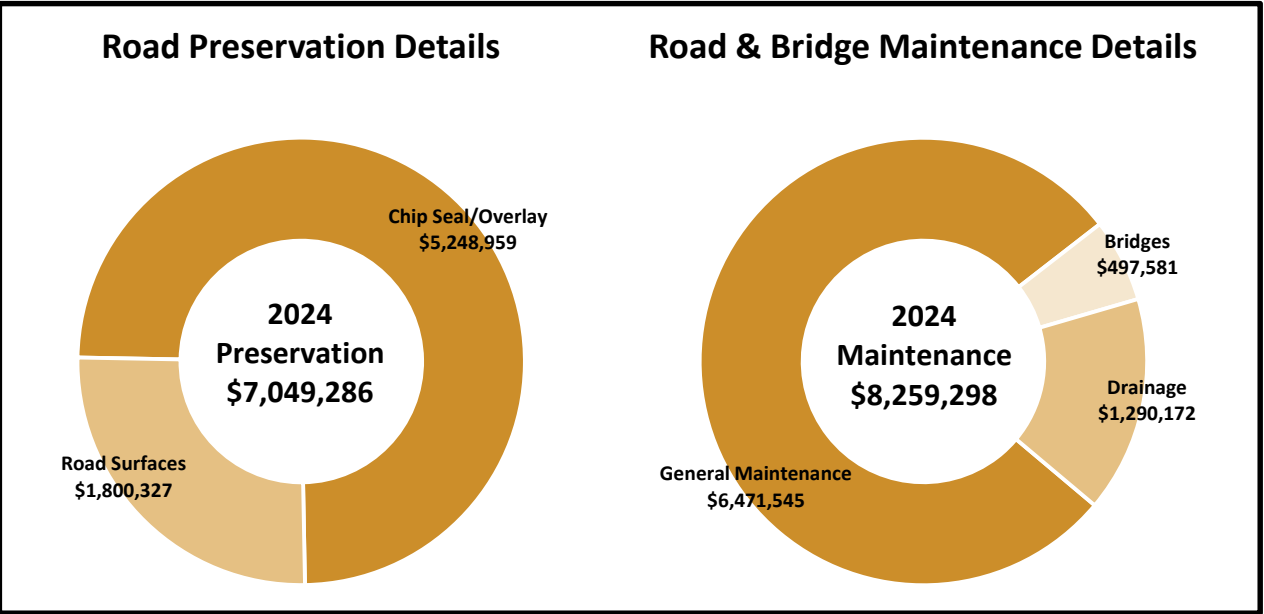
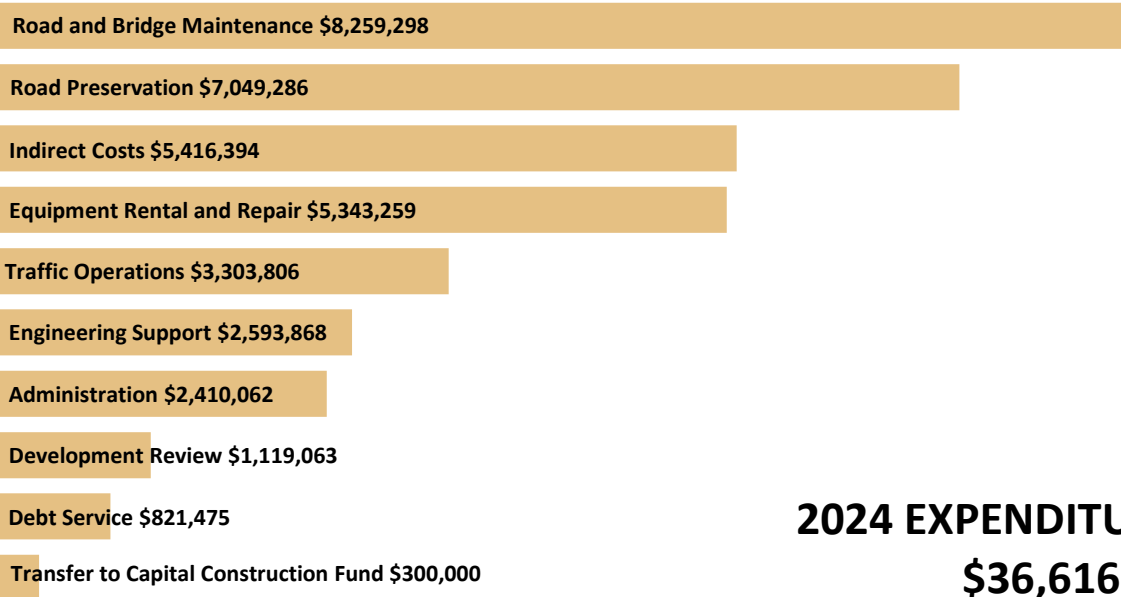
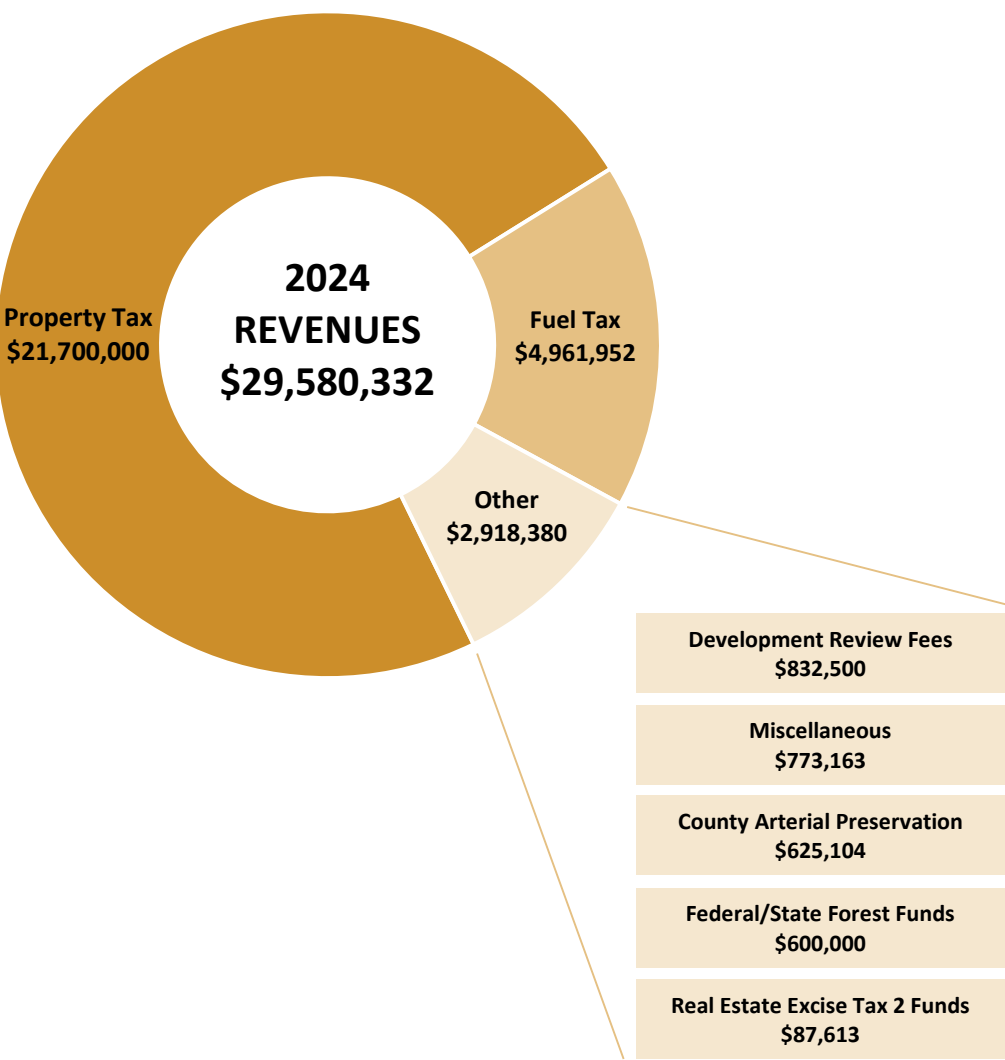
**\$9,328,977**



# Transportation-related revenues and expenditures

## Road Fund 1190 – 2024 forecast

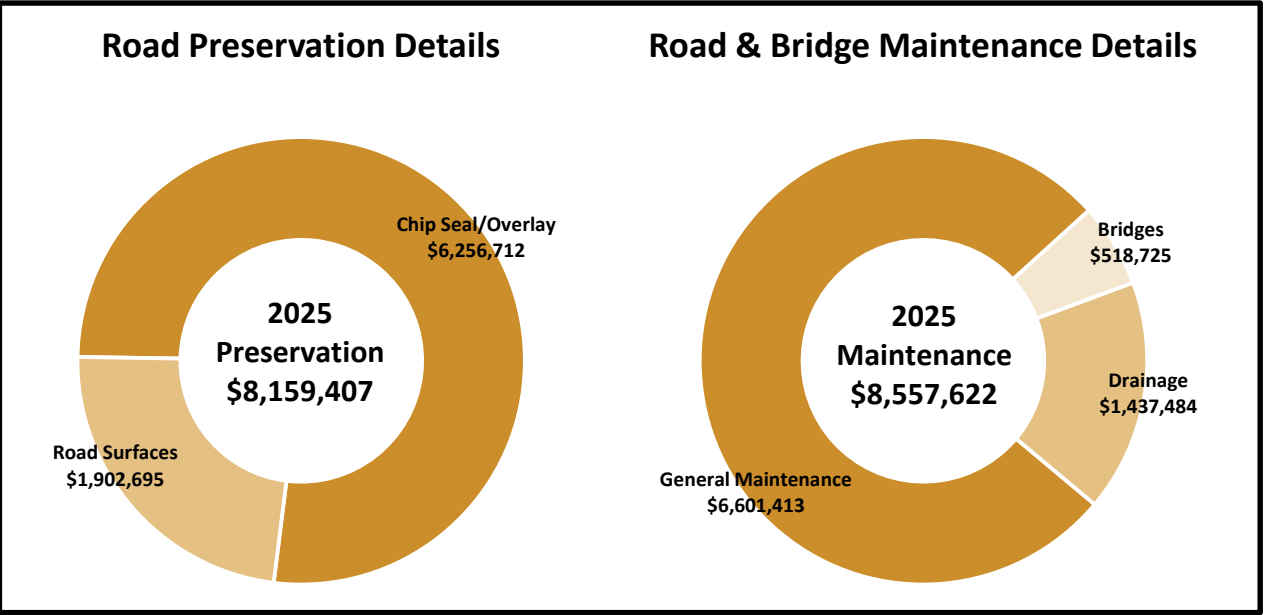
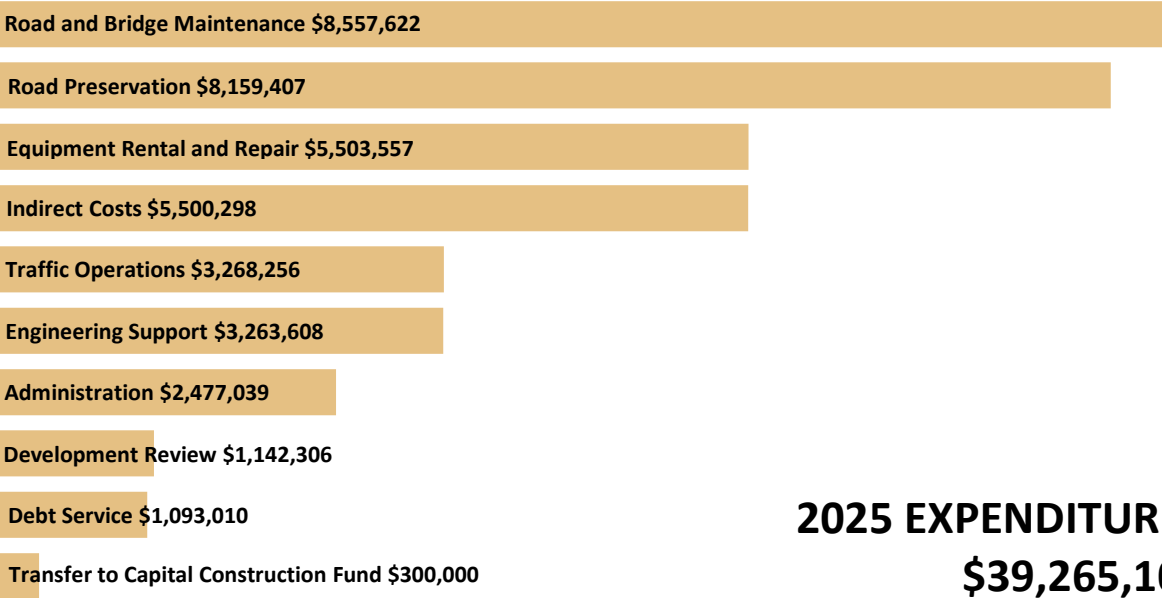
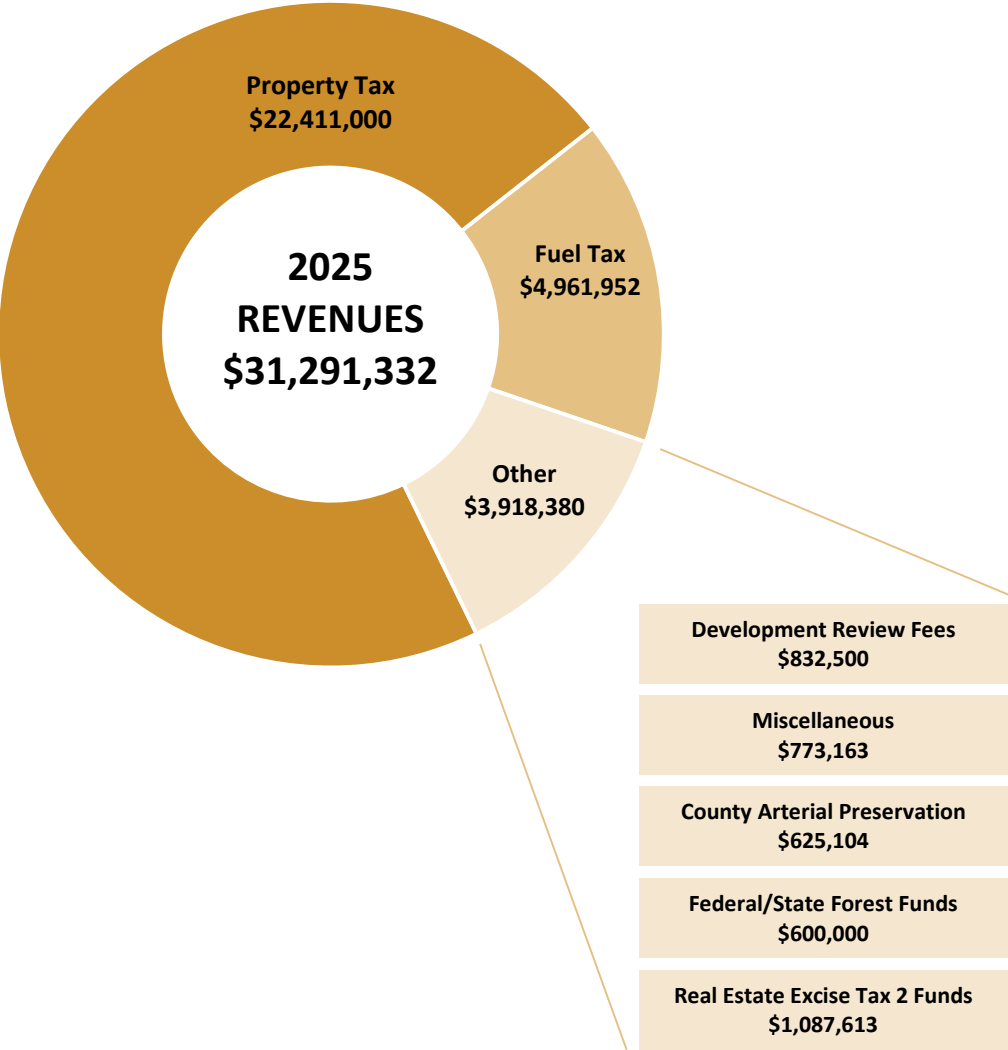
Beginning fund balance: \$19,374,563



# Transportation-related revenues and expenditures

## Road Fund 1190 – 2025 forecast

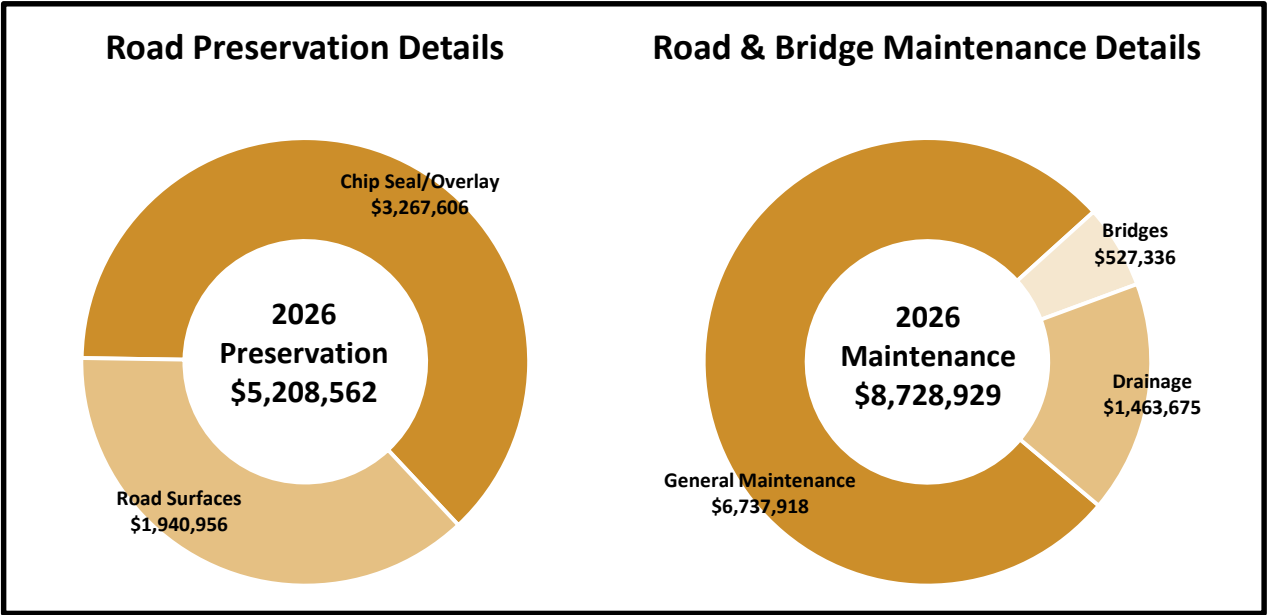
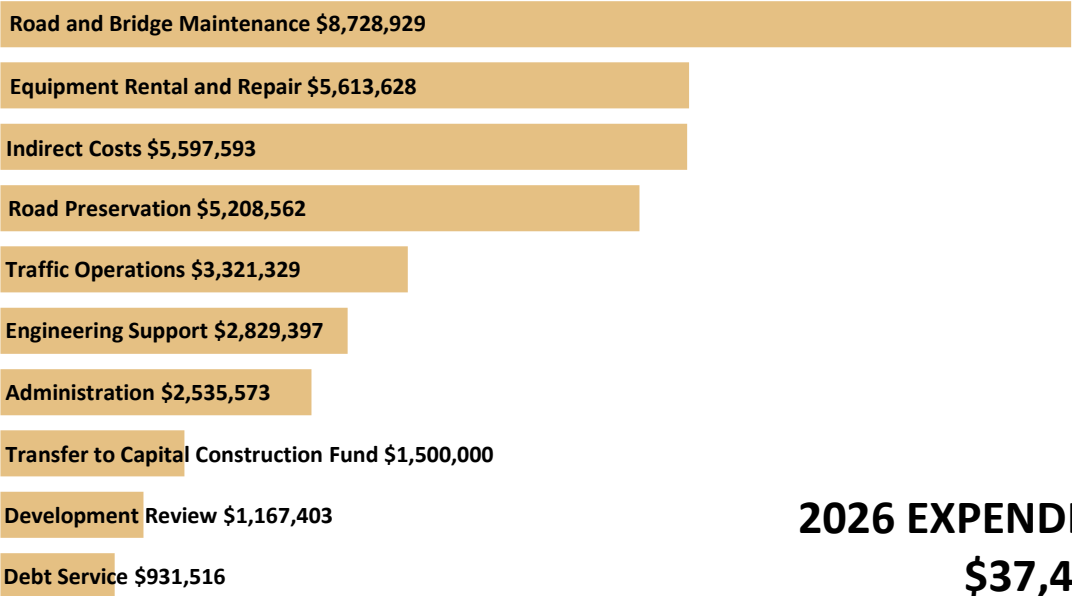
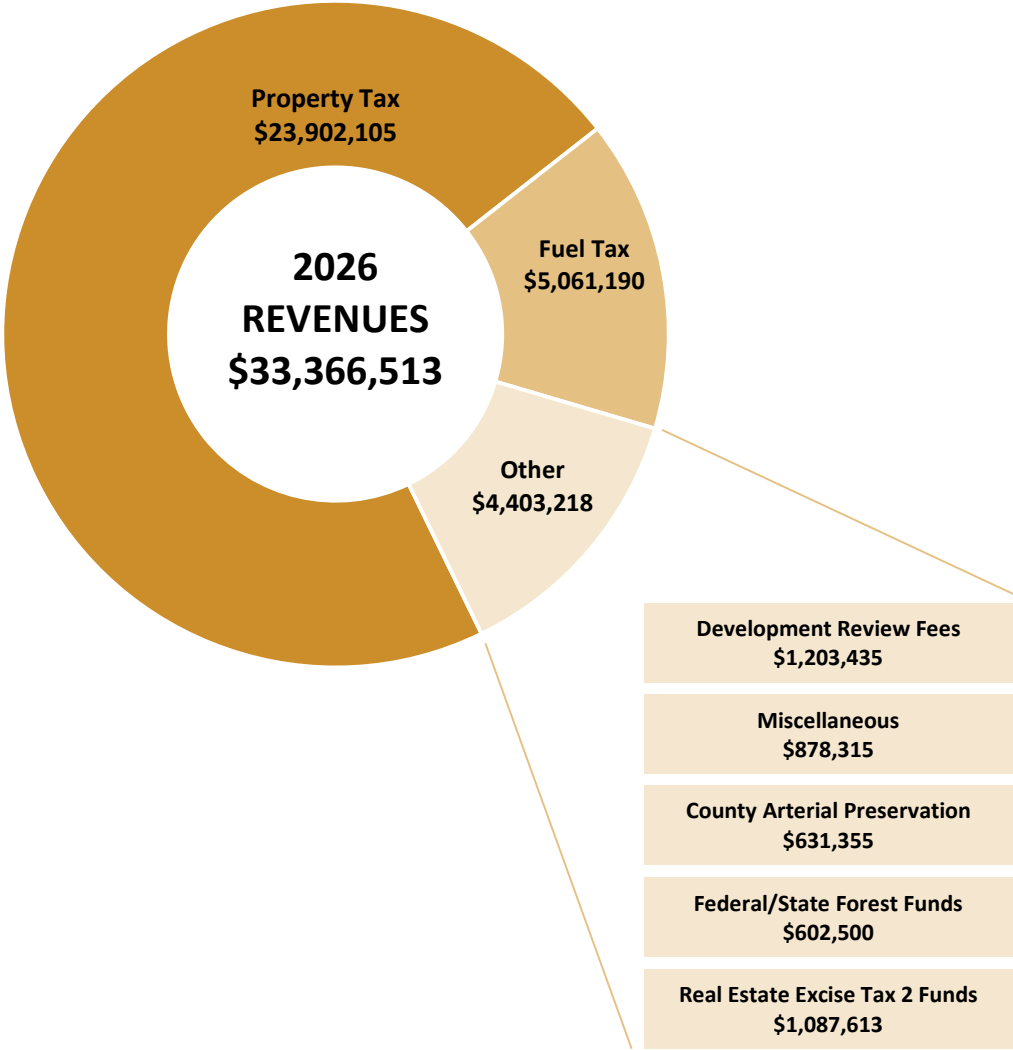
Beginning fund balance: \$12,338,384



# Transportation-related revenues and expenditures

## Road Fund 1190 – 2026 forecast

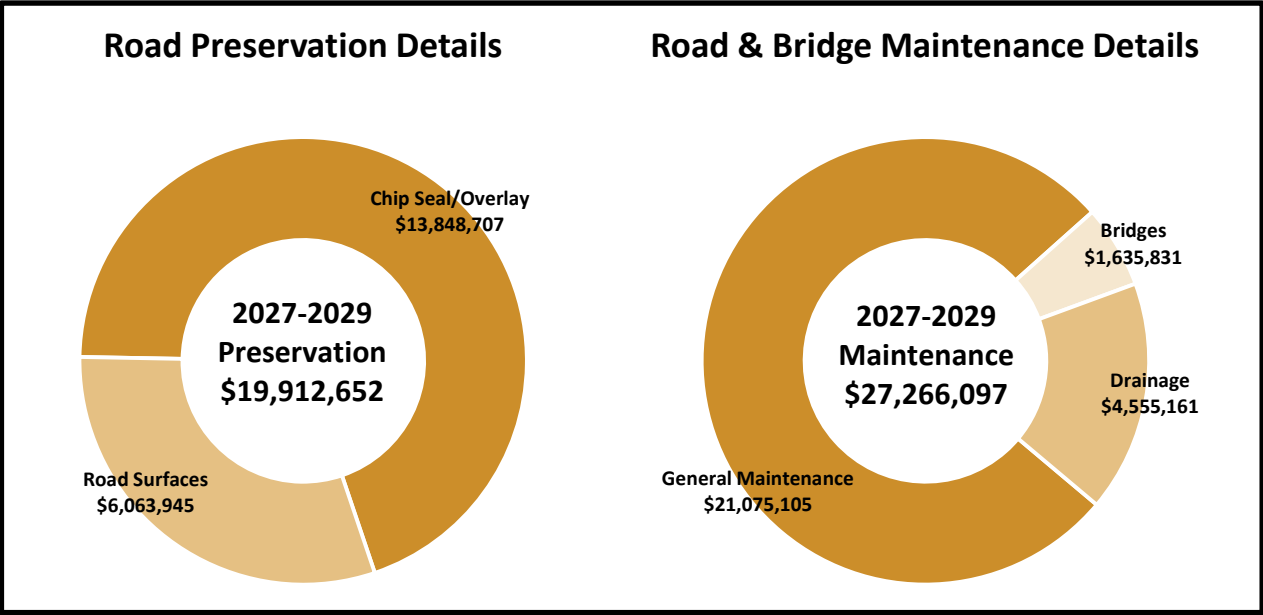
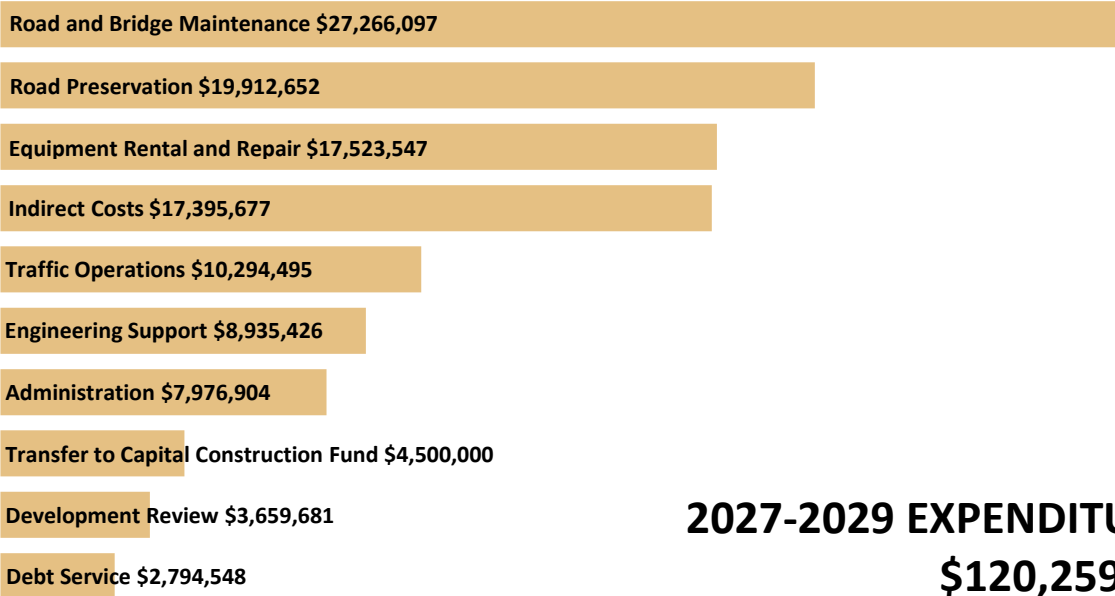
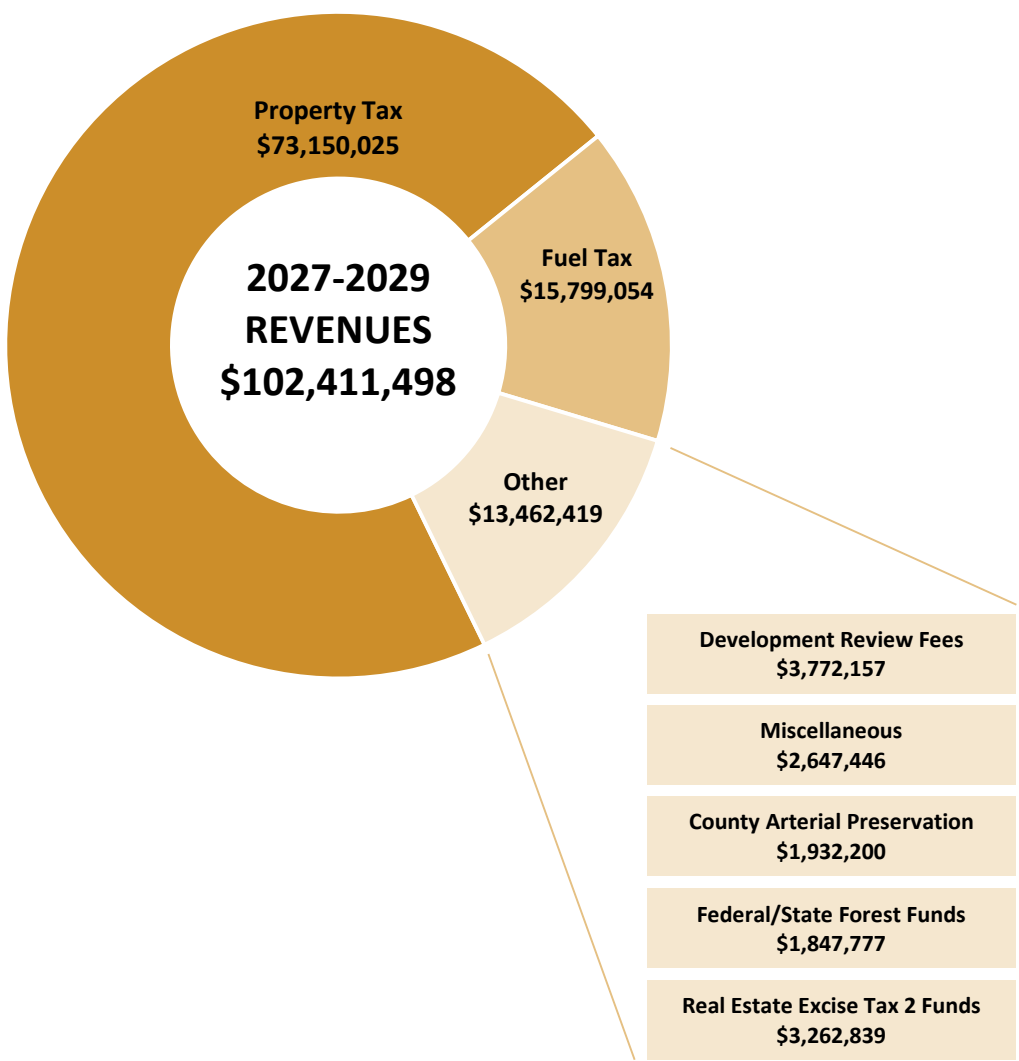
Beginning fund balance: \$4,364,613





# Transportation-related revenues and expenditures

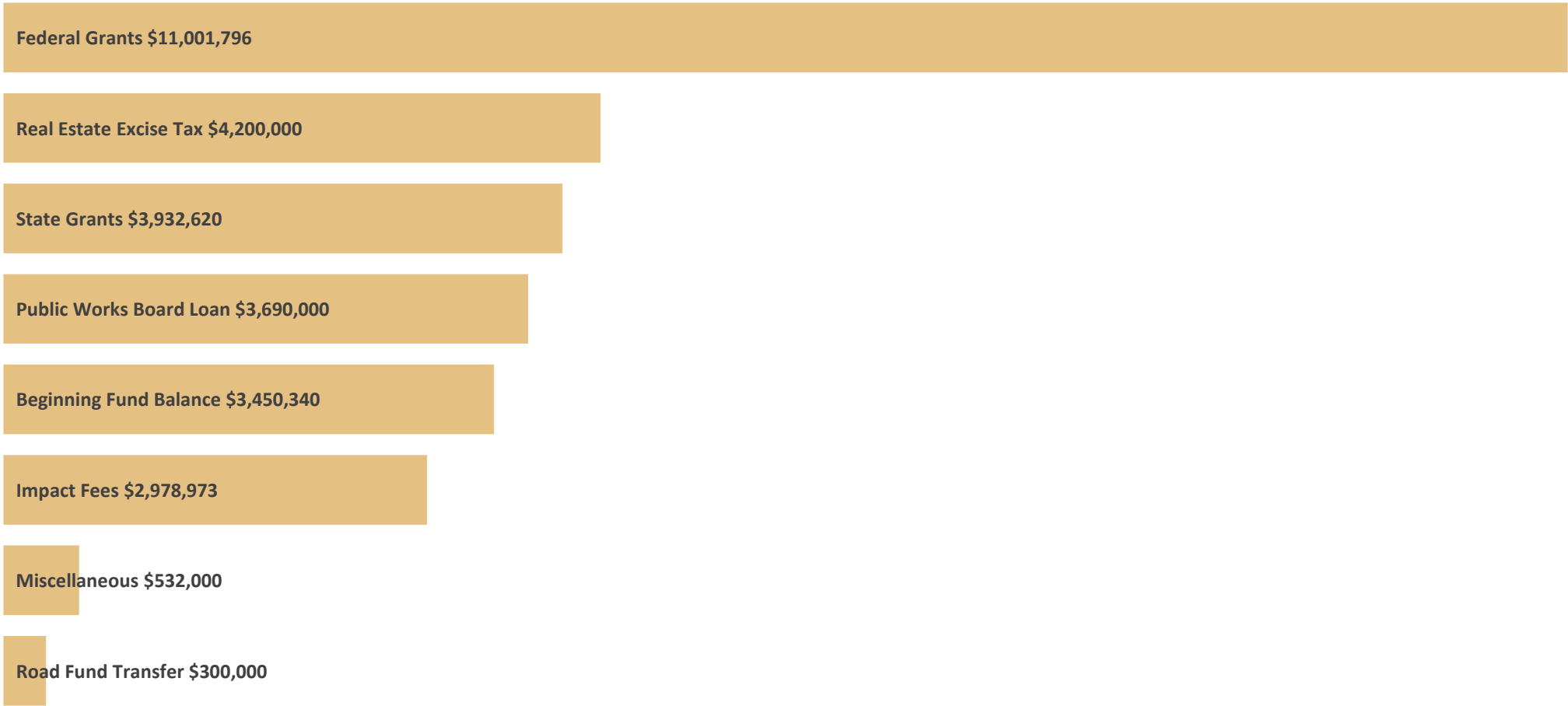
## Road Fund 1190 – 2027-2029 forecast



# Transportation–related revenues and expenditures

## Capital Construction Fund 3010

### 2024 Revenues



2024 REVENUES & FUND BALANCE: \$30,085,729

# Chapter 4

## Transportation programs and project prioritization

Transportation programs define Public Works’ priorities in the operation and maintenance of the county’s transportation system. Each transportation project reflects those priorities. Program groups also can serve as a way of identifying a project’s overall purpose in order to secure state and federal funding.

### ADA Improvements

The Americans with Disabilities Act (ADA) requires government agencies to design, construct, retrofit, and maintain infrastructure that allows access for persons with disabilities or limited mobility. This program funds projects that primarily improve sidewalks, ramps, crosswalks, and electrical crosswalk warning systems.



#### Criteria considered

- Percent of local population in poverty
- Percent of local population over 65
- Percent of local population disabled
- Proximity to school
- Proximity to park
- Proximity to public transportation
- Proximity to traffic signal
- Number of adjacent travel lanes

### Bridges

Thurston County is responsible for more than 150 bridges, the oldest built in the 1920s. Bridge projects are prioritized based on criteria that reflects the county’s overall network and regional needs. They are updated on a regular basis to reflect changing bridge conditions, bridge inspections, annexations.



#### Criteria considered

- Bridge sufficiency rating
- Scour critical
- Secured funding
- Route priority
- Functionally obsolete
- Average daily volume
- Professional Judgement

### Capacity

Capacity projects improve mobility and circulation by adding vehicle capacity to existing streets, roads, and bridges through addition of general-purpose travel lanes, roundabouts, and corridor access management. In urban areas, capacity projects upgrade streets and roads to community design standards, and usually include sidewalks, bicycle lanes, landscaping, and lighting. Rural projects in this category typically widen shoulders, serving people who walk or bike.



#### Criteria considered

- Network significance
- Regional significance
- Level of service
- Proximity to urban and rural commercial areas
- Funding availability
- Professional judgment

### Culverts

Thurston County maintains approximately 2,500 culverts, primarily within county road right-of-way. Public Works performs regular maintenance for roadside ditch lines, including culvert cleanout, repairs, and replacement.



#### Criteria considered

- Culvert conditions
- Maintenance history
- Environmental considerations
- Secure funding
- Professional judgment

### Fish Passage Enhancement

Thurston County has over 300 culverts which hinder fish passage. Public Works is improving fish passage conditions by removing and replacing barriers which increases fish habitat and protects the biological health of waterways.



#### Criteria considered

- Barrier status (full barrier, partial barrier, no barrier)
- Presence of anadromous fish
- Habitat gained
- Construction cost
- Public impacts
- Regional significance
- Condition of culvert



# Transportation programs and project prioritization

## Highway safety improvement

Current national and statewide highway safety planning focuses on reducing or eliminating serious and fatal collisions. Public Works plans and implements measures that improve safety performance and align with national and state priorities.



Highway safety improvement projects are selected from the traffic safety/intersection priority analysis system. It serves as a guide for staff to identify safety projects and projects for capital planning consideration.

### Criteria considered

- Traffic volume
- Roadway classification
- Collision history
- Project identification in plan
- Affected area
- Partnerships
- Funding availability
- Professional judgment

## Maintenance and operations

Public Works preserves public infrastructure and provides daily services for roadway system operation. Infrastructure maintenance is preventive, routine, and reactive. Projects can transition from maintenance into a capital project for a variety of reasons, including funding, resources, and maintenance costs.



### Criteria considered

- Cost
- Funding source
- Project scope
- Timing
- Project duration
- Professional judgment

## Pavement preservation

Pavement preservation is a proactive, long-term strategy for maintaining the integrity of existing roads. It reduces costly, time-consuming reconstruction of roads and minimizes traffic disruptions. A significant number of road segments need preservation; therefore it is critical projects are prioritized to meet legal requirements and user needs.



Two sub-programs for pavement maintenance are:

- Chip seal
- Preservation

### Criteria considered

- Pavement surface condition
- Road core data
- International roughness index
- Average daily traffic
- Truck routes
- Professional judgment

## Pedestrians and bicycles

Pedestrian travel is a vital mode of transportation. Federal requirements detail that non-motorized projects support pedestrian and bicycle accessibility. Thurston County primarily uses outside sources of funding for non-motorized projects.



Three sub-programs for non-motorized projects are:

- Pedestrian and Bicycle
- Safe Routes to School
- Trails

### Criteria considered

- Posted travel speed
- Capacity and number of travel lanes
- Project identification in plan
- Traffic signal proximity
- Transit corridor
- Trip generators
- School proximity
- Missing link
- Socio-economics
- Funding availability
- Professional judgment

# Transportation programs and project prioritization

## Project prioritization

The projects included in this document are the result of evaluation and the prioritization of needs in various transportation areas. Evaluation includes input from other divisions in Public Works, other agencies, and the public. Funding availability can change from year to year, which can affect project priorities. The 1-year and 6-year projects detailed in Chapters 5 and 6 have been selected based on prioritization criteria including:

- Public safety concerns.
- Funding sources.
- Input from citizens, agencies, and councils.
- Traffic volume (see Level of Service below).

Funding for a project is based on its contribution to the overall transportation system. Given the system’s needs and available financing, not all projects are fully funded.

The projects listed in Chapter 6 demonstrate to other agencies what the county could accomplish if additional funding was obtained. If an unexpected source of funding for a project should become available, that project moves forward in the prioritization process.

## Level of Service

Thurston County uses Level of Service, a measure of traffic congestion, to describe how well a roadway is functioning from a user’s perspective. There are six Level of Service standards, similar to an academic grading system, that represent conditions from free-flowing traffic (A) to gridlock (F).

**Level of Service A:**  
Highest driving comfort; free-flowing traffic.



**Level of Service B:**  
High degree of driver comfort; little delay.



**Level of Service C:**  
Acceptable level of driver comfort; some delay.



**Level of Service D:**  
Some driver frustration; moderate delay.



**Level of Service E:**  
High level of driver frustration; high delay.



**Level of Service F:**  
Highest level of driver frustration; excessive delay.



# Chapter 5

## Planned transportation projects for 2024

### Project listings

Thurston County must satisfy transportation-related planning and reporting requirements for various federal, state, regional, and local agencies. As these mandates have similar requirements but different project planning timeframes, Public Works aims to streamline how projects are chosen, prioritized, and reported, by creating a 1-year, 6-year, and 20-year listing of projects needed to maintain, preserve, and improve the county's transportation system.

### Annual Road Program

This chapter focuses on the county's 1-year list of projects, also known as the Annual Road Program. These projects have secured funding and are scheduled to be worked on in 2024. The list provides the description, location, and budgeting information for each project.

The Annual Road Program is a reporting requirement of WAC 136-16.



# Annual Road Program

COUNTY PROJECT				ROAD SEGMENT INFORMATION							3010 FUNDING SOURCES			3010 PROJECT/PROGRAM EXPEDITURES							
PROJECT NAME	CP#	WORK TYPE	ENVIRO TYPE	ROAD #	FFC	ROAD NAME	BMP	EMP	LENGTH (mi.)	COUNTY ROAD FUNDS	OTHER FUNDS		TOTAL FUNDING	PE & FE		REAL ESTATE ACQUISITION	CM	Construction		BUDGETED COSTS	
											AMOUNT	PROGRAM SOURCE		LABOR	CONSULT			CONTRACT	COUNTY FORCE		
Marvin Rd Upgrade Phase 2 (Mullen Rd Intersection)	61545	IS	I	13195	16	Road Name:	Marvin Rd SE	0.000	0.047	0.047	\$5,000			\$5,000				\$5,000			\$5,000
						From:	Mullen Rd SE														
						To:	Mullen Rd SE														
Johnson Point Rd & Hawks Prairie Rd Intersection Improvements	61364	IS	I	12440	17	Road Name:	Johnson Point Rd NE	0.000	0.200	0.200	\$677,751	\$1,503,559	STBG	\$2,374,962				\$420,000	\$1,954,962		\$2,374,962
						From:	Hawks Prairie Rd NE					\$193,652	DEV								
						To:	Hawks Prairie Rd NE														
Littlerock Road & 113th Ave SW Bridge and Intersection Improvements	61320	RC	I	12945	07	Road Name:	Littlerock Rd SW	9.074	9.150	0.076	\$188,000	\$150,000	TIF	\$450,000				\$100,000	\$350,000		\$450,000
						From:	113th Ave SW					\$112,000	STBG								
						To:	400 ft N of 113th														
Pacific Ave SE Pavement Preservation - (Lacey City Limits to Union Mills Rd SE)	98408	2R	I	13850	14	Road Name:	Pacific Ave SE	3.528	4.323	0.795	\$206,258	\$905,177	NHS	\$1,611,435				\$250,263	\$1,361,172		\$1,611,435
						From:	Lacey City Limits					\$500,000	REET								
						To:	Union Mills Rd SE														
Yelm Hwy SE Pavement Preservation - (Rich Rd SE to Lacey City Limits)	98409	2R	I	15725	14	Road Name:	Yelm Hwy SE	2.955	4.102	1.147	\$432,669	\$1,151,631	NHS	\$2,084,300				\$250,959	\$1,833,341		\$2,084,300
						From:	Rich Rd SE					\$500,000	REET								
						To:	Lacey City Limits														
Old Hwy 99 at Intersections of Sargent Rd and 201st Ave	61548	IS	I	13765	16	Road Name:	Old Hwy 99 SW	2.315	2.344	0.029	\$0	\$65,000	TIF	\$448,429	\$181,250	\$20,000	\$247,179				\$448,429
						From:	201st Ave SW					\$383,429	STBG								
						To:	Sargent Rd SW														
Yelm Hwy and Spurgeon Crk Rd SE Intersection Improvements	61525	Other	E	15725	14	Road Name:	Yelm Hwy SE	7.353	7.553	0.200	\$0	\$200,000	TIF	\$200,000	\$135,000	\$65,000					\$200,000
						From:	Spurgeon Creek Rd														
						To:	Spurgeon Creek Rd														
Martin Way Corridor Study	61337	Other	E	13190	14	Road Name:	Martin Way E	3.840	6.200	2.360	\$5,000			\$5,000	\$5,000						\$5,000
						From:	Carpenter Rd SE														
						To:	Dutterow Rd SE														
Marvin Rd Upgrade Phase 1 (22nd Ave to Union Mills Rd)	61478	RC	I	13195	16	Road Name:	Marvin Rd SE	2.036	2.318	0.282	\$500,555	\$1,213,973	TIF	\$3,855,848				\$524,889	\$3,330,959		\$3,855,848
						From:	22nd Ave SE					\$2,141,320	TIB								
						To:	Union Mills Rd SE														
Complete Streets ADA Program 1 - Pedestrian Crossing Improvements	64004	SW-ADA	I	VARIES	VARIES	Road Name:	VARIES	-	-	-	\$0	\$500,000	TIB	\$500,000				\$100,000	\$400,000		\$500,000
						From:	VARIES														
						To:	VARIES														
Country Club Road NW at Green Cove Creek Culvert Replacement	63023	FP		10975	19	Road Name:	Country Club Rd NW	0.000	0.038	0.038	\$1,340,000	\$2,000,000	REET	\$8,222,000	\$10,000	\$50,000	\$10,000	\$544,205	\$7,607,795		\$8,222,000
						From:	Green Cove Creek					\$4,350,000	PWTF								
						To:	Green Cove Creek					\$532,000	PUD								
2024 County Road Safety (HSIP)	61546	Safety	I	VARIES	VARIES	Road Name:	VARIES	-	-	-	\$0	\$2,465,000	HSIP	\$2,465,000	\$40,000		\$25,000	\$400,000	\$2,000,000		\$2,465,000
						From:	VARIES														
						To:	VARIES														
Countywide Electrical Services Project (HSIP)	61550	Safety	E	VARIES	VARIES	Road Name:	VARIES	-	-	-	\$90,000	\$876,000	HSIP	\$966,000	\$61,000	\$5,000		\$180,000	\$720,000		\$966,000
						From:	VARIES														
						To:	VARIES														
Cooper Rd SW at Mox Chehalis Creek Culvert Replacement	61554	Other		10930	09	Road Name:	Cooper Rd SW	0.066	0.142	0.076	\$610,000			\$610,000	\$15,000		\$5,000	\$50,000	\$540,000		\$610,000
						From:	Mox Chehalis Creek														
						To:	Mox Chehalis Creek														
Thurston County Action Plan	61491	Other	E	VARIES	VARIES	Road Name:	VARIES	-	-	-	\$300,000			\$300,000	\$20,000	\$280,000					\$300,000
						From:	VARIES														
						To:	VARIES														
Pleasant Glade Elementary Pedestrian Improvements (SRTS)	61523	SW-ADA	I	10020	19	Road Name:	Abernathy St NE	0.000	0.379	0.379	\$123,000	\$1,105,000	SRTS	\$1,228,000	\$78,000	\$10,000	\$140,000	\$199,000	\$801,000		\$1,228,000
						From:	15th Ave NE														
						To:	20th Way NE														
Thompson Creek Rd SE at Thompson Creek Fish Passage	63025	FP	I	15005	09	Road Name:	Thompson Creek Rd	2.609	2.685	0.076	\$0	\$500,000	BAG	\$1,429,973	\$10,000			\$222,973	\$1,197,000		\$1,429,973
						From:	Thompson Creek					\$929,973	REET								
						To:	Thompson Creek														
Tilley Rd S - Old Hwy 99 SW to Goddard Road SW	61317	IS	I	13765	16	Road Name:	Old Hwy 99	6.910	7.110	0.200	\$10,000	\$90,000	RAP	\$100,000	\$100,000						\$100,000
						From:	Tilley Rd S														
						To:	Tilley Rd S														



Annual Road Program

COUNTY PROJECT				ROAD SEGMENT INFORMATION							3010 FUNDING SOURCES			3010 PROJECT/PROGRAM EXPEDITURES							
PROJECT NAME	CP#	WORK TYPE	ENVIRO TYPE	ROAD #	FFC	ROAD NAME	BMP	EMP	LENGTH (mi.)	COUNTY ROAD FUNDS	OTHER FUNDS		TOTAL FUNDING	PE & FE		REAL ESTATE ACQUISITION	CM	Construction		BUDGETED COSTS	
											AMOUNT	PROGRAM SOURCE		LABOR	CONSULT			CONTRACT	COUNTY FORCE		
Evergreen Pkwy & Mud Bay Rd Interchange Improvements	61161	IS	I	13476	14	Road Name:	Mud Bay Rd	0.974	1.103	0.129	\$5,000			\$5,000	\$5,000					\$5,000	
						From:	Evergreen Pkwy														
						To:	City Limits														
Sargent Rd SW - US 12 to Old Hwy 99 SW (South Grand Mound UGA Improvements)	61507	RC	I	14420	17	Road Name:	Sargent Rd SW	0.000	0.413	0.413	\$200,000			\$200,000	\$117,000	\$83,000				\$200,000	
						From:	Old Hwy 99														
						To:	US 12														
Trail Enhancement Study	61543	Other	E	N/A	N/A	Road Name:	N/A	-	-	-	\$150,000			\$150,000	\$20,000	\$130,000				\$150,000	
						From:	N/A														
						To:	N/A														
Old Pacific Hwy/Kuhlman Rd Intersection Improvements	61553	Other	E	13755	16	Road Name:	Old Pacific Hwy	2.717	2.793	0.076		\$150,000	TIF	\$150,000	\$90,000	\$60,000				\$150,000	
						From:	Kuhlman Rd														
						To:	Kuhlman Rd														
183rd Ave Phase 1 - (US 12 to Sargent Rd)	61348	RC	E	16125	17	Road Name:	183rd Ave SW	6.000	7.710	1.710	\$306,000	\$501,000	RAP	\$807,000	\$120,000	\$10,000	\$200,000	\$76,320	\$400,680	\$807,000	
						From:	US 12														
						To:	Sargent Rd SW														
Shawn Dr SW at UNT to Dempsey Creek Fish Passage	63024	FP		14545	09	Road Name:	Shawn Dr SW	0.074	0.154	0.080	\$0	\$70,027	REET	\$70,027	\$35,027		\$35,000			\$70,027	
						From:	Dempsey Creek														
						To:	Dempsey Creek														
Elderberry St SW Upgrade (US 12 to 196th Ave)	61520	RC	I	11345	17	Road Name:	Elderberry St SW	0.000	0.137	0.137	\$150,000			\$150,000	\$30,000	\$120,000				\$150,000	
						From:	US 12														
						To:	196th Ave SW														
Rochester-Grand Mound Trail Feasibility Study	61527	Other	E	N/A	N/A	Road Name:	N/A	-	-	-	\$5,000			\$5,000	\$5,000					\$5,000	
						From:	N/A														
						To:	N/A														
State Route 507 and Vail Rd SE Roundabout	61566		I	STATE	16	Road Name:	SR 507	-	-	-	\$0	\$200,000	WDOT	\$200,000	\$142,000	\$58,000				\$200,000	
						From:	N/A														
						To:	N/A														
Americans with Disabilities Act (ADA) Program	64000	SW-ADA	I	N/A	N/A	Road Name:	N/A	-	-	-	\$50,000			\$50,000	\$50,000					\$50,000	
						From:	N/A														
						To:	N/A														
Fish Passage Enhancement Program	63006	FP	I	N/A	N/A	Road Name:	N/A	-	-	-	\$0	\$200,000	REET	\$200,000	\$100,000	\$100,000				\$200,000	
						From:	N/A														
						To:	N/A														
Road Preservation Program	TBD	2R	I	N/A	N/A	Road Name:	N/A	-	-	-	\$5,000,000			\$5,000,000	\$70,000			\$290,000	\$4,640,000	\$5,000,000	
						From:	N/A														
						To:	N/A														
											1190 FUNDING SOURCES			1190 PROJECT/PROGRAM EXPENDITURES							
2024 Miscellaneous projects											\$500,000			\$500,000	\$80,000	\$20,000	\$50,000	\$50,000	\$200,000	\$100,000	\$500,000
TOTAL CRP PROJECTS											\$10,854,233	\$23,488,741		\$34,342,974	#####	\$1,011,000	\$712,179	#####	\$27,336,909	\$100,000	\$34,342,974

# Chapter 6

## 6-year planned transportation projects

### Project listings

Thurston County must satisfy transportation-related planning and reporting requirements for various federal, state, regional, and local agencies. As these mandates have similar requirements but different project planning timeframes, Public Works aims to streamline how projects are chosen, prioritized, and reported, by creating a 1-year, 6-year, and 20-year listing of projects needed to maintain, preserve, and improve the county's transportation system.

### 6-Year Transportation Improvement Program

This chapter focuses on the county's 2024-2029 Transportation Improvement Program (TIP). The TIP details prioritized projects that are reasonably expected to be funded, designed, and constructed over the next six years. Projects are re-prioritized each year due to changes in funding acquisition, infrastructure maintenance and repair needs, as well as environmental concerns, and public input. All projects that are included in the Annual Road Program are derived from this 6-year list. See Chapter 4 for more information on how Public Works prioritizes transportation projects.

This 6-Year Transportation Improvement Program is required by the Washington State Legislature.

### What to expect in this chapter

As the 6-year Transportation Improvement Program is the bulk of this report, here is a quick reference of what you can expect in this chapter:

- A spreadsheet overview of all 6-year planned projects and the projected budget allocation for each stage of implementation. Page 23.
- Project changes from last years' 2023-2028 TIP. Page 27.
- Maps showing the locations and extents of all 6-year planned projects. Page 28.
- Transportation project tables that provide project-specific information, in order of project priority. Page 36.

# 2024-2029 TIP overview

RANK	PROJECT NAME	2024	2025	2026	2027-2029	TOTAL
1	Marvin Rd Upgrade Phase 2 (Mullen Rd Intersection)	\$5,000	\$0	\$0	\$0	\$5,000
2	Johnson Point Rd & Hawks Prairie Rd Intersection Improvements	\$2,375,000	\$7,000	\$0	\$0	\$2,382,000
3	Littlerock Road & 113th Ave SW Bridge and Intersection Improvements	\$450,000	\$7,000	\$0	\$0	\$457,000
4	Pacific Ave SE Pavement Preservation - (Lacey City Limits to Union Mills Rd SE)	\$1,611,000	\$10,000	\$0	\$0	\$1,621,000
5	Yelm Hwy SE Pavement Preservation - (Rich Rd SE to Lacey City Limits)	\$2,084,000	\$10,000	\$0	\$0	\$2,094,000
6	Old Hwy 99 at Intersections of Sargent Rd and 201st Ave	\$448,000	\$2,490,000	\$357,000	\$0	\$3,295,000
7	Yelm Hwy and Spurgeon Crk Rd SE Intersection Improvements	\$200,000	\$100,000	\$100,000	\$0	\$400,000
8	Martin Way Corridor Study	\$5,000	\$0	\$0	\$0	\$5,000
9	Marvin Rd Upgrade Phase 1 (22nd Ave to Union Mills Rd)	\$3,856,000	\$15,000	\$0	\$0	\$3,871,000
10	Complete Streets ADA Program 1 - Pedestrian Crossing Improvements	\$500,000	\$10,000	\$0	\$0	\$510,000
11	Country Club Road NW at Green Cove Creek Culvert Replacement	\$8,222,000	\$10,000	\$0	\$0	\$8,232,000
12	Yelm Hwy SE Bridge Replacement (O-12)	\$0	\$0	\$0	\$50,000	\$50,000
13	Rochester Main Street Improvements (US 12)	\$0	\$0	\$0	\$50,000	\$50,000
14	2024 County Road Safety (HSIP)	\$2,465,000	\$60,000	\$0	\$0	\$2,525,000
15	Countywide Electrical Services Project (HSIP)	\$966,000	\$450,000	\$0	\$0	\$1,416,000
16	Cooper Rd SW at Mox Chehalis Creek Culvert Replacement	\$610,000	\$10,000	\$0	\$0	\$620,000

# 2024-2029 TIP overview

RANK	PROJECT NAME	2024	2025	2026	2027-2029	TOTAL
17	Thurston County Action Plan	\$300,000	\$0	\$0	\$0	\$300,000
18	Pleasant Glade Elementary Pedestrian Improvements (SRTS)	\$1,228,000	\$10,000	\$0	\$0	\$1,238,000
19	Thompson Creek Rd SE at Thompson Creek Fish Passage	\$1,430,000	\$716,000	\$0	\$0	\$2,146,000
20	Tilley Rd Bridge Replacement (T-2)	\$0	\$0	\$0	\$50,000	\$50,000
21	Tilley Rd S - Old Hwy 99 SW to Goddard Road SW	\$100,000	\$327,000	\$3,185,000	\$10,000	\$3,622,000
22	Evergreen Pkwy & Mud Bay Rd Interchange Improvements	\$5,000	\$150,000	\$150,000	\$0	\$305,000
23	Sargent Rd SW - US 12 to Old Hwy 99 SW (South Grand Mound UGA Improvements)	\$200,000	\$0	\$0	\$0	\$200,000
24	Trail Enhancement Study	\$150,000	\$0	\$0	\$0	\$150,000
25	Old Pacific Hwy/Kuhlman Rd Intersection Improvements	\$150,000	\$10,000	\$0	\$0	\$160,000
26	183rd Ave Phase 1 - (US 12 to Sargent Rd)	\$807,000	\$2,219,000	\$10,000	\$0	\$3,036,000
27	Shawn Dr SW at UNT to Dempsey Creek Fish Passage	\$70,000	\$1,554,000	\$10,000	\$0	\$1,634,000
28	Old Hwy 99 & Old Hwy 9	\$0	\$150,000	\$0	\$0	\$150,000
29	Marvin Rd Upgrade Phase 3 (Union Mills Rd to Pacific Ave)	\$0	\$0	\$0	\$50,000	\$50,000
30	Elderberry St SW Upgrade (US 12 to 196th Ave)	\$150,000	\$0	\$0	\$0	\$150,000

# 2024-2029 TIP overview

RANK	PROJECT NAME	2024	2025	2026	2027-2029	TOTAL
31	Rochester-Grand Mound Trail Feasibility Study	\$5,000	\$0	\$0	\$0	\$5,000
32	Steilacoom Rd Improvements Phase 1 (Pacific Ave NE to SR 510)	\$0	\$0	\$0	\$50,000	\$50,000
33	Rainier Rd SE & Fir Tree Rd SE Intersection Improvements	\$0	\$150,000	\$0	\$0	\$150,000
34	Old Hwy 99 Rural Capacity Project (US 12 to S UGA Boundary)	\$0	\$0	\$0	\$50,000	\$50,000
35	Pacific Ave SE/Steilacoom Rd SE/Union Mills Rd SE Intersection Improvements	\$0	\$0	\$50,000	\$0	\$50,000
36	Kingham St SE - 3rd Ave SE to Martin Way E Pedestrian Improvements	\$0	\$0	\$800,000	\$0	\$800,000
37	196th Ave SW - Sargent Rd SW to Elderberry St SW	\$0	\$0	\$10,000	\$0	\$10,000
38	McCorkle Rd SE (113th Ave SW to Old Hwy 99)	\$0	\$0	\$0	\$10,000	\$10,000
39	113th Ave SW (SR 121/Tilley Rd S to McCorkle Rd SE)	\$0	\$0	\$0	\$10,000	\$10,000
40	Carpenter Road Pedestrian Improvement - Affordable Housing	\$0	\$0	\$300,000	\$0	\$300,000
41	State Route 507 and Vail Rd SE Roundabout	\$200,000	\$110,000	\$6,430,000	\$10,000	\$6,750,000
42	Mud Bay Pavement Preservation (US101 to Evergreen Parkway)	\$0	\$0	\$4,000,000	\$0	\$4,000,000
43	Black Lake Belmore Rd Bridge Approach Repair	\$10,000	\$0	\$0	\$0	\$10,000



# 2024-2029 TIP overview

	PROGRAM	2024	2025	2026	2027-2029	TOTAL
NA	Americans with Disabilities Act (ADA) Program	\$50,000	\$50,000	\$50,000	\$150,000	\$300,000
NA	Fish Passage Enhancement Program	\$200,000	\$0	\$2,000,000	\$6,000,000	\$8,200,000
NA	Road Preservation & Rehabilitation Program	\$5,000,000	\$6,000,000	\$6,000,000	\$18,000,000	\$35,000,000
NA	Pedestrian & Bicycle Program	\$0	\$0	\$0	\$10,000	\$10,000
NA	Safe Routes to School Program	\$0	\$0	\$0	\$10,000	\$10,000
NA	Bridge Program	\$0	\$0	\$0	\$10,000	\$10,000
NA	County Road Safety Improvement Program	\$0	\$0	\$0	\$10,000	\$10,000
NA	Culvert Program	\$0	\$0	\$0	\$10,000	\$10,000
NA	Roadway Capacity Program	\$0	\$0	\$0	\$10,000	\$10,000

# Summary of project changes

## Projects renamed from the 6-year plan (2023)

- Local Road Safety Plan renames to Thurston County Action Plan



## Projects dropped from the 6-year plan (2023)

- Yelm Highway and Meridian Rd Intersection Improvements
- Vail Rd SE Improvements Phase 2 (138<sup>th</sup> Ave SE to 153<sup>rd</sup> Ave SE)
- US 12 Urban Improvements Phase 1 (Sargent Rd Intersection)
- Pacific Avenue Safety
- Thurston County Mobility Strategy
- Marvin RD Extension
- Steamboat Island Rd Bridge Rail and Pile Cap Repair

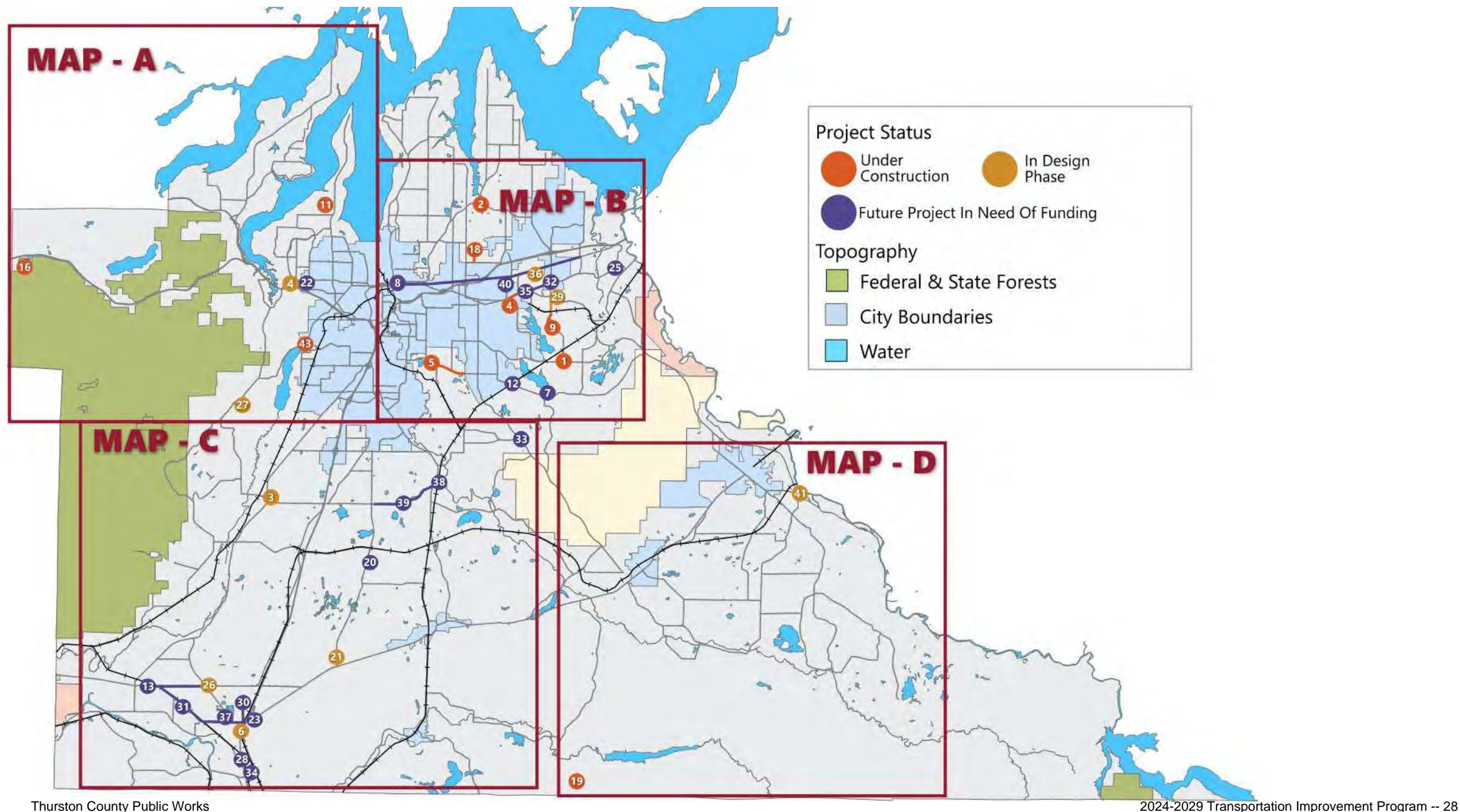
## Projects added to the 6-year plan (2024)

- State Route 507 and Vail Rd SE Roundabout
- Mud Bay Pavement Preservation (US 101 to Evergreen Parkway)

## Projects scheduled to complete construction in 2023

	<b>US 12 Urban Improvements Phase 1 (Sargent Rd Intersection) –</b> Construct a single lane roundabout at the intersection of US 12 and Sargent Rd SW. Designed with the ability to expand in the future to two lanes on the east and west approaches. <b>Estimated Project Cost:</b> \$7,800,000
	<b>Steamboat Island RD Bridge Rail and Pile Cap Repair –</b> Replace guardrail and rehabilitate pile caps on the Steamboat Island Road Bridge. <b>Estimated Project Cost:</b> \$300,000

# 2024-2029 project maps



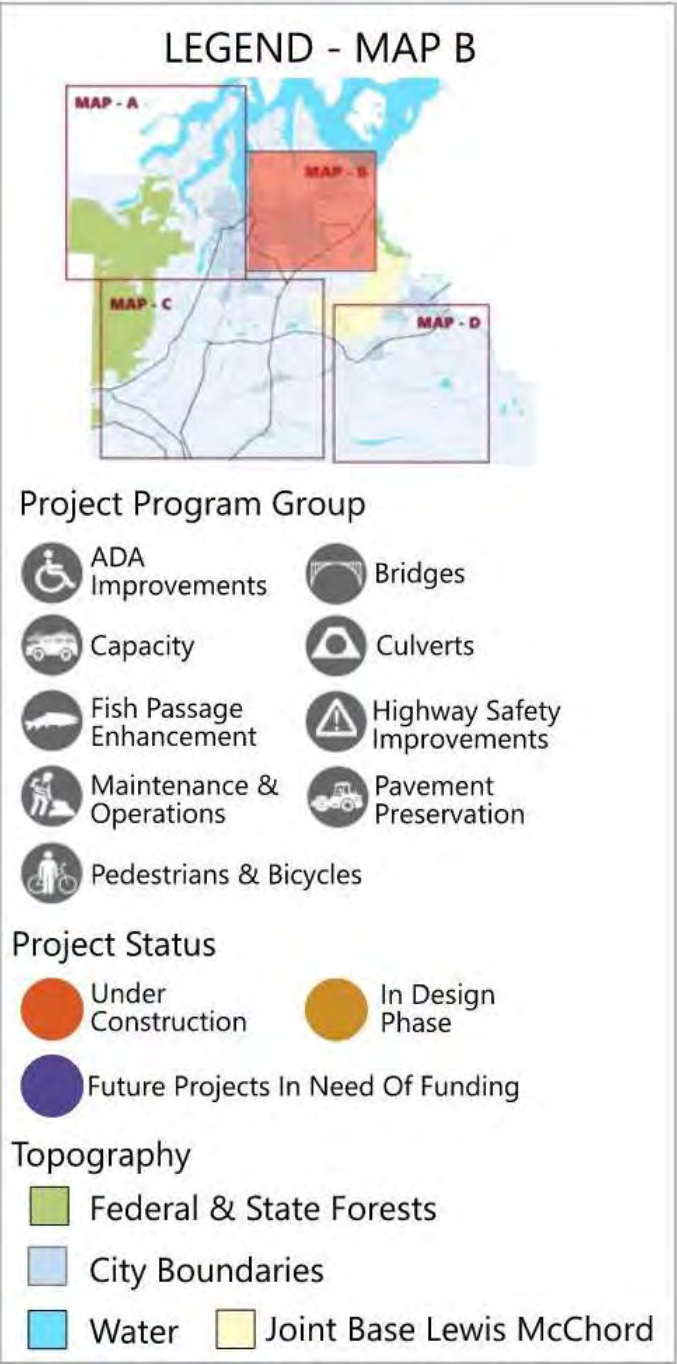


# Map A





# Map B





# Map C

LEGEND - MAP C



Project Program Group

ADA Improvements	Bridges
Capacity	Culverts
Fish Passage Enhancement	Highway Safety Improvements
Maintenance & Operations	Pavement Preservation
Pedestrians & Bicycles	

Project Status

Under Construction	In Design Phase
Future Projects In Need Of Funding	

Topography

Federal & State Forests
City Boundaries
Water





# Map D

LEGEND - MAP D



Project Program Group

ADA Improvements	Bridges
Capacity	Culverts
Fish Passage Enhancement	Highway Safety Improvements
Maintenance & Operations	Pavement Preservation
Pedestrians & Bicycles	

Project Status

Under Construction	In Design Phase
Future Projects In Need Of Funding	

Topography

Federal & State Forests	
City Boundaries	
Water	Joint Base Lewis McChord



# 6-year projects detail

## How to read the transportation projects detail section

Name of the project, and where to find it on the maps located on pages 28-32.

What phase the project is currently in, planning (PLAN), engineering (ENG), right of way (ROW) or construction (CON), and what has already been spent on the project, in thousands.

Budget allocations are listed in thousands, and can include one of the standard funding source abbreviations detailed at the bottom of this page.

					2023		2024				2025				2026-2028				2023-2028 Total
Project Title					Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map							Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Rank # 1																			
Marvin Rd Upgrade Phase 2 (Mullen Rd Intersection)																			
Project Limits: Length: 0.047 Mile					PLAN														
Road Log #: 13195 Beg MP: 0.000 End MP: 0.047																			
Funding Detail:					ENG														
Est. Total Cost: \$2,500,000 Fully Funded: Yes																			
Other Project Information:					ROW														
CP #: 61545 FFC: 16 Comm. Dist. 2																			
Priority Group: CAP, HSIP FGC: T-3					CON														
TCCP Transportation Goals: 1, 2 and 3																			
Project Elements: A, B, D, F, G, J, K, L					Total														
Improvement Type: 03 Enviro. Type: DCE																			
Project Description: Construct a roundabout at the intersection of Marvin Rd SE and Mullen Rd SE.																			

Project details including estimated total cost and other project information. Abbreviations for project details can be found on pages 34-35.

Written description of the project.

# Project standard abbreviations

## Funding sources

BRS = Bridge Replacement
CITY = Other City Agency Funds
CAPP = Capital Arterial Preservation Program
CRF = County Road Fund
DEV = Developer Contributions
ER = Emergency Relief
FLAP = Federal Lands Access Program
FMSB = Freight Mobility Strategic Investment
HSIP = Highway Safety Improvement Program
NHFP = National Highway Freight Program
NHS = National Highway System Asset Management Program
OTHR = Outside Sources (Other Agencies)
PWTF = Public Works Trust Fund
RAP = Rural Arterial Program
REET = Real Estate Excise Tax
SP = Sidewalk Program
SRTS = Safe Routes to School
SRFB = Salmon Recovery Funding Board
SSWU = Stormwater Utility Fund
STBG = Surface Trans. Block Grant
TIB = Transportation Improvement Board
TIF = Transportation Impact Fee
UAP = Urban Arterial Program
WDOT = Washington State Department of Transportation

## Other

TCCP = Thurston County Comprehensive Plan Chapter 5 (Transportation)
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## Project priority groups

BR = Bridges
CAP = Capacity
CLVT = Culverts
HSIP = Hwy. Safety Improvement Prog.
MPRJ = Miscellaneous Projects
MPRGM = Miscellaneous Programs
PB = Pedestrian and Bicycle
PRSV = Preservation
SR = School Route
ADA = ADA Improvements
FP = Fish Passage Enhancement

## Project improvement type

01 = New Construction Roadway
03 = Reconstruction, Added Capacity
04 = Reconstruction, No Added Capacity
05 = 4R Maintenance Resurfacing
06 = 4R Maintenance - Restoration & Rehabilitation
07 = 4R Maintenance – Relocation
08 = Bridge, New Construction
10 = Bridge Replacement, Added Capacity
11 = Bridge Replacement, No Added Capacity
13 = Bridge Rehabilitation, Added Capacity
14 = Bridge Rehabilitation, No Added Capacity
15 = Preliminary Engineering
16 = Right of Way
17 = Construction engineering
18 = Planning
19 = Research
20 = Environmental Only
21 = Safety
28 = Facilities for Pedestrians and Bicycles

## Environmental type

CE = Categorically Exempt
E = Exempt
DCE = Documented Categorically Exempt
EIS = Environmental Impact Statement
EA = Environmental Assessment
I = Insignificant Impact
S= Significant Impact

## Project elements

A = Grading
B = Drainage
C = Light Bituminus Surface
D = Asphalt/Cement Conc. Pav.
E = Sealcoat
F = Curb and Gutter
G = Sidewalk
H = Channelization
I = Signalization
J = Roundabout
K = Lighting
L = Signing and Marking
M = Bridge
N = Landscape
O = Paths and Trails
P = Bikeways
Q = Transit Facility
R = Project Study
S = Guardrails
T = Shoulders
U = Right-of-Way Preservation

# Project standard abbreviations (cont.)

## Work/Type

NEW = New Alignment
RC = Reconstruction
3R = Rehabilitate-Resurface-Restore
2R = Resurface and Restore
FA = Federal Aid Bridge
Br = Short Span or Other Bridge
DR = Drainage Structure
HMA = HMA Overlay-Grind Inlay-etc
IS = Intersection
Safety = Signing-stripings-markings-etc
Ferry = Boats docks etc
P&T = Paths-trails-bikeways-etc
SW = Sidewalk-ADA
Illm = Illumination
FP = Fish passage
Other = other
MN&M = Marine navigation and moorage
CS = Cost share

## Function Class

Rural Federal Function Class (County)
00 = Proposed, Non-county system road
02 = Major arterial
06 = Minor arterial
07 = Major collector
08 = Minor collector
09 = Local access

Urban Federal Function Class (County)
12 = Principal arterial, freeways or expressways
14 = Principal arterial, other
16 = Minor arterial
17 = Major collector
18 = Minor collector
19 = Local access



6-year project list

Map B Rank # 1					2024				2025						2026				2027-2029				2024-2029 Total
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
Marvin Rd Upgrade Phase 2 (Mullen Rd Intersection)					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
<b>Project Limits:</b> Length: 0.047 Mile			PLAN	0																	0		
Road Log #: 13195 Beg MP: 0.000 End MP: 0.047																					0		
<b>Funding Detail:</b>			ENG	0																	0		
Est. Total Cost: \$2,500,000 Fully Funded: Yes			ROW	0																	0		
<b>Other Project Information:</b>			CON	192	5	CRF															5		
CP #: 61545 FFC: 16 Comm. Dist. 5			Total	192	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		
Priority Group: CAP, HSIP FGC: T-3																							
<b>TCCP Transportation Goals:</b> 1, 2 and 3																							
<b>Project Elements:</b> A, B, D, F, G, J, K, L																							
<b>Improvement Type:</b> 03 <b>Enviro. Type:</b> DCE																							
<b>Project Description:</b> Construct a roundabout at the intersection of Marvin Rd SE and Mullen Rd SE.																							

Project Title Map B Rank # 2 Johnson Point Rd & Hawks Prairie Rd Intersection Improvements			Project Phase	Prior Expend.	2024				2025				2024- 2025 Total	2026				2027-2029				2024- 2029 Total
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 0.200 Mile Road Log #: 12440 Beg MP: 0.000 End MP: 0.200 <b>Funding Detail:</b> Est. Total Cost: \$4,500,000 Fully Funded: Yes <b>Other Project Information:</b> CP #: 61364 FFC: 17 Comm. Dist. 1 & 5 Priority Group: HSIP, CAP FGC: T-3 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> A, B, D, F, G, J, K, L, P <b>Improvement Type:</b> 03 <b>Enviro. Type:</b> DCE			PLAN	225																	0	
			ENG	432																		0
			ROW	242																		0
			CON	1,323	678	CRF	1503	STBG		194	DEV	7	CRF									2382
			Total	2,222	678		1503	0	194	7	0	0	0									2382
					2375				7					0				0				2382
<b>Project Description:</b> Construct a roundabout at the intersection of Johnson Point Rd NE, Hawks Prairie Rd NE and South Bay Rd NE.																						

Project Title Map C Rank # 3 Littlerock Road & 113th Ave SW Bridge and Intersection Improvements			Project Phase	Prior Expend.	2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total			
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's							
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other				
<b>Project Limits:</b> Length: 0.076 Mile Road Log #: 12945 Beg MP: 9.074 End MP: 9.150 <b>Funding Detail:</b> Est. Total Cost: \$3,000,000 Fully Funded: Yes <b>Other Project Information:</b> CP #: 98409 FFC: 07 Comm. Dist. 4 Priority Group: CAP, BR, HSIP FGC: T-3 <b>TCCP Transportation Goals:</b> 1, 2 and 4 <b>Project Elements:</b> A, B, D, H, K, L, M, P, S <b>Improvement Type:</b> 10 <b>Enviro. Type:</b> DCE					PLAN	17							0									0			
					ENG	201								0										0	
					ROW	89								0										0	
					CON	1,907	188 CRF	112 STBG			7 CRF			457											457
					Total	2,214	338	TIF	112	0	0	7	0	0	0	457									457
					450				7					0				0				457			
<b>Project Description:</b> Replace Littlerock Rd Bridge over Blooms Ditch (L-5) and improve intersection conditions at the intersection of 113th Ave SW and Littlerock Rd SW.																									

6-year project list

				2024		2025								2026				2027-2029				2024-2029	
Project Title				Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029 Total
Map B Rank # 4						Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Pacific Ave SE Pavement Preservation - (Lacey City Limits to Union Mills Rd SE)																							
Project Limits: Length: 0.795 Mile				PLAN	47																		
Road Log #: 13850 Beg MP: 3.528 End MP: 4.323																							
Funding Detail:				ENG	83																		
Est. Total Cost: \$3,600,000 Fully Funded: Yes																							
Other Project Information:				ROW	25																		
CP #: 98408 FFC: 14 Comm. Dist. 5																							
Priority Group: PSRV FGC: T-2				CON	1,819	206 CRF	905 NHS			10 CRF													
TCCP Transportation Goals: 2 and 4																							
Project Elements: D				Total	1,974	706	905	0	0	10	0	0	0										
Improvement Type: 05 Enviro. Type: DCE				Project Description: Replace the top layer of existing pavement with fiber-reinforced asphalt.																			

					2024				2025								2026				2027-2029				2024-2029	
Project Title			Map	B	Rank #	5	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029 Total
Yelm Hwy SE Pavement Preservation - (Rich Rd SE to Lacey City Limits)									Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 1.147 Mile							PLAN	42																0		
Road Log #: 15725 Beg MP: 2.955 End MP: 4.102							ENG	88																0		
<b>Funding Detail:</b> Est. Total Cost: \$4,100,000 Fully Funded: Yes							ROW	55																0		
<b>Other Project Information:</b> CP #: 98409 FFC: 14 Comm. Dist. 1							CON	1,844	433 CRF	500 REET	1151 NHS			10 CRF										2094		
<b>TCCP Transportation Goals:</b> 1, 2, 3 and 4									933	1151	0	0	10	0	0	0				0	0	0	0	2094		
<b>Project Elements:</b> D, G							Total	2,029	2084				10				2094	0				0				2094
<b>Improvement Type:</b> 05 <b>Enviro. Type:</b> DCE							<b>Project Description:</b> Replace the top layer of existing pavement with fiber-reinforced asphalt.																			

Project Title Map C Rank # 6 Old Hwy 99 at Intersections of Sargent Rd and 201st Ave			Project Phase Prior Expend.		2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total	
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
<b>Project Limits:</b> Length: 0.029 Mile Road Log #: 13765 Beg MP: 2.315 End MP: 2.344			PLAN	235									0								0		
<b>Funding Detail:</b> Est. Total Cost: \$5,000,000 Fully Funded: Yes			ENG	104	18	TIF	102	STBG					120								120		
<b>Other Project Information:</b> CP #: 61548 FFC: 16 Comm. Dist. 4 Priority Group: CAP FGC: T-2			ROW	250	47	TIF	281	STBG					328								328		
<b>TCCP Transportation Goals:</b> 1, 2 and 3			CON	0						1226	CRF	864	STBG	2490	357	CRF					2847		
<b>Project Elements:</b> A, B, D, F, G, H, J, K, L			Total	589	65		383		0	0	1626		864		0	0					2938		
<b>Improvement Type:</b> 03 <b>Enviro. Type:</b> DCE			<b>Project Description:</b> Replace the top layer of existing pavement with fiber-reinforced asphalt and upgrade the existing pedestrian facilities to ADA requirements.				448				2490				357				0				3295

6-year project list

Project Title Map B Rank # 7 Yelm Hwy and Spurgeon Crk Rd SE Intersection Improvements			Project Phase		Prior Expend.		2024				2025				2026				2027-2029				2024-2029 Total
							Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
							Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 0.200 Mile Road Log #: 15725 Beg MP: 7.353 End MP: 7.553 <b>Funding Detail:</b> Est. Total Cost: TBD Fully Funded: No <b>Other Project Information:</b> CP #: 61525 FFC: 14 Comm. Dist. 4 & 5 Priority Group: CAP, HSIP FGC: T-3 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> A, B, D, F, G, J, K, L, P <b>Improvement Type:</b> 03 <b>Enviro. Type:</b> DCE			PLAN	0	200	TIF					100	TIF									400		
			ENG	0																		0	
			ROW	0																		0	
			CON	0																		0	
			Total	-	200		0	0	0	0	100	0	0	0	300	100	0	0	0	0	0	400	
<b>Project Description:</b> Construct a roundabout at the intersection of Yelm Hwy SE and Spurgeon Creek Rd SE.							200				100				100				0				

Map B Rank # 8			2024		2025				2026				2027-2029				2024-2029 Total					
Project Title	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's							
			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local		Federal	State	Other		
<b>Martin Way Corridor Study</b>  <b>Project Limits:</b> Length: 2.720 Mile Road Log #: 13190 Beg MP: 3.480 End MP: 6.200 <b>Funding Detail:</b> Est. Total Cost: \$300,000 Fully Funded: Yes <b>Other Project Information:</b> CP #: 64004 FFC: 14 Comm. Dist. 5 Priority Group: HSIP FGC: T-2 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> R <b>Improvement Type:</b> 19 <b>Enviro. Type:</b> DCE	PLAN	28	5	CRF							5									5		
	ENG	0									0									0		
	ROW	0									0									0		
	CON	0									0									0		
	Total	28		5		0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5	
				5				0								0						
<b>Project Description:</b>			Regional corridor study analyzing vehicle, pedestrian and bicycle traffic, as well as bus routes. Looking at potential traffic control and other factors to provide safe, efficient travel along the Martin Way SE corridor.																			

Project Title Map B Rank # 9 Marvin Rd Upgrade Phase 1 (22nd Ave to Union Mills Rd)			Project Phase	Prior Expend.	2024				2025				2024- 2025 Total	2026				2027-2029				2024- 2029 Total
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 0.282 Mile Road Log #: 13195 Beg MP: 2.036 End MP: 2.318 <b>Funding Detail:</b> Est. Total Cost: \$9,600,000 Fully Funded: Yes <b>Other Project Information:</b> CP #: 61478 FFC: 16 Comm. Dist. 5 Priority Group: CAP, HSIP FGC: T-3 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> A, B, D, F, G, H, J, K, L, N, P <b>Improvement Type:</b> 03 <b>Enviro. Type:</b> DCE			PLAN	581																	0	
			ENG	573																		0
			ROW	1,574																		0
			CON	3,127	501 1214	CRF TIF		2141	TIB		15 CRF											3871
			Total	5,855	1715		0	2141	0	0	0	0					0	0	0	0		3871
<b>Project Description:</b>					3856				15				0				0				3871	
					Reconstruct roadway to provide 2 to 3 lanes, bike lanes, pedestrian refuge islands, planter strips, medians, sidewalks, lighting and drainage. Intersection improvements include a roundabout at 19th Ave SE and access control at Union Mills RD SE.																	

6-year project list

				2024				2025				2026				2027-2029				2024-2029 Total
Project Title				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map N/A Rank # 10 Complete Streets ADA Program 1 - Pedestrian Crossing Improvements				Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: 15725 Beg MP: 0.000 End MP: 0.000				PLAN	0															0
<b>Funding Detail:</b> Est. Total Cost: \$600,000 Fully Funded: Yes				ENG	100															0
<b>Other Project Information:</b> CP #: 64004 FFC: 14 Comm. Dist. 1 & 5 Priority Group: PB FGC: T-2				ROW	0															0
<b>TCCP Transportation Goals:</b> 1, 2 and 3				CON	0			500	TIB			10	CRF							510
<b>Project Elements:</b> F, G, L				Total	100	0	0	500	0	10	0	0	0	0	0	0	0	0	0	510
<b>Improvement Type:</b> 28 <b>Enviro. Type:</b> DCE				<b>Project Description:</b> Construct ADA accessible crossings through the installation of pedestrian refuge islands, by improving curb ramps and improving sidewalks along Yelm Highway SE and Martin Way E.																

				2024				2025				2026				2027-2029				2024-2029 Total
Project Title				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map A Rank # 11 Country Club Road NW at Green Cove Creek Culvert Replacement				Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 0.038 Mile Road Log #: 10975 Beg MP: 0.000 End MP: 0.038				PLAN	388															0
<b>Funding Detail:</b> Est. Total Cost: \$8,744,000 Fully Funded: No				ENG	873															0
<b>Other Project Information:</b> CP #: 63023 FFC: 19 Comm. Dist. 3 Priority Group: CLVT FGC: N/A				ROW	403															0
<b>TCCP Transportation Goals:</b> 1, 2 and 10				CON	0	1340	CRF			4350	PWFT	10	CRF							8232
<b>Project Elements:</b> A, B, D, M				Total	1,664	2000	REET			532	PUD									8232
<b>Improvement Type:</b> 08 <b>Enviro. Type:</b> DCE				<b>Project Description:</b> Replace a culvert that previously failed. An emergency slipline was performed in November 2021 to protect the roadway and maintain creek flows. A new structure is needed that meets current fish passage requirements and will maintain road access.																

				2024				2025				2026				2027-2029				2024-2029 Total
Project Title				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map B Rank # 12 Yelm Hwy SE Bridge Replacement (O-12)				Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: 15725 Beg MP: 6.058 End MP: 0.000				PLAN	131															0
<b>Funding Detail:</b> Est. Total Cost: \$16,800,000 Fully Funded: No				ENG	0										50	CRF				50
<b>Other Project Information:</b> CP #: 61309 FFC: 14 Comm. Dist. 1 & 5 Priority Group: BR, CAP FGC: T-3				ROW	0															0
<b>TCCP Transportation Goals:</b> 1, 2 and 3				CON	0															0
<b>Project Elements:</b> A, B, D, F, G, L, M, P, S				Total	131	0	0	0	0	0	0	0	0	0	50	0	0	0	0	50
<b>Improvement Type:</b> 10 <b>Enviro. Type:</b> DCE				<b>Project Description:</b> Replace existing functionally obsolete bridge with a 4-5 lane bridge with bike lanes and sidewalks. Yelm Hwy SE approaches will be widened to 4-5 lanes with bike lanes and sidewalks.																

6-year project list

			2024				2025				2026				2027-2029				2024-2029 Total			
Project TitleMap C Rank # 13			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
					Local	Federal	State	Other	Local	Federal	State	Other	2024-2025 Total	Local	Federal	State	Other	Local		Federal	State	Other
Rochester Main Street Improvements (US 12)																						
<u>Project Limits:</u> Length: 0.000 Mile			PLAN	0																0		
Road Log #: N/A Beg MP: 0.000 End MP: 0.000																						
<u>Funding Detail:</u>			ENG	0																		
Est. Total Cost: TBD Fully Funded: No																						
<u>Other Project Information:</u>			ROW	0																		
CP #: TBD FFC: Comm. Dist. 4																						
Priority Group: PB, SRTS FGC: T-2			CON	0																		
<u>TCCP Transportation Goals:</u>																						
1, 2 and 3																						
<u>Project Elements:</u> A, B, D, F, G, K, L, N, P			Total	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<u>Improvement Type:</u> 03 <u>Enviro. Type:</u> DCE							0				0				0				50			
<u>Project Description:</u>			Reconstruct roadway to provide 2 to 3 lanes with intersection improvements, bike lanes, pedestrian refuge islands, planter strips, medians, sidewalks, lighting, and drainage.																			

2024				2025				2026				2027-2029				2024-2029 Total
Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
2024 County Road Safety (HSIP)																
<b>Project Limits:</b> Length: Varies Countywide Beg MP: Varies End MP: Varies																0
<b>Funding Detail:</b> Est. Total Cost: \$2,900,000 Fully Funded: Yes																30
<b>Other Project Information:</b> CP #: 61546 FFC: Varies Comm. Dist. 1, 2, 3 & 4 Priority Group: HSIP FGC: Varies																35
<b>TCCP Transportation Goals:</b> 1, 2 and 4																2460
<b>Project Elements:</b> H, K, L, S, T																2525
<b>Improvement Type:</b> 21 <b>Enviro. Type:</b> DCE																2525
<b>Project Description:</b> Install improvements including signing, pavement markings, guardrails, and lighting. This aligns with Washington State's Target Zero plan to reduce fatal and serious injury collisions to zero by the year 2030.																

2024				2025				2026				2027-2029				2024-2029 Total	
Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other		
Project Title Map N/A Rank # 15				Project Phase	Prior Expend.												
Countywide Electrical Services Project (HSIP)																	
<u>Project Limits:</u> Length: Varies Countywide Beg MP: Varies End MP: Varies				PLAN	20												0
<u>Funding Detail:</u> Est. Total Cost: \$1,600,000 Fully Funded: Yes				ENG	63		66 HSIP										66
<u>Other Project Information:</u> CP #: 61550 FFC: Varies Comm. Dist. 2, 3 & 4 Priority Group: HSIP FGC: Varies				ROW	100												0
<u>TCCP Transportation Goals:</u> 1 and 2				CON	0	90 CRF	810 HSIP			45 CRF	405 HSIP						1350
<u>Project Elements:</u> H, K				Total	183	90	876	0	0	45	405	0	0				1416
<u>Improvement Type:</u> 21 <u>Enviro. Type:</u> DCE				966				450								1416	
<u>Project Description:</u> Provide street lighting and channelization improvements at several locations throughout the county.																	



6-year project list

			2024				2025				2026				2027-2029				2024-2029 Total
Project Title			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map	Rank #		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Cooper Rd SW at Mox Chehalis Creek Culvert Replacement			Project Phase	Prior Expend.															
Project Limits: Length: 0..076 Mile Road Log #: 10930 Beg MP: 0.066 End MP: 0.142			PLAN	85															0
Funding Detail: Est. Total Cost: \$800,000 Fully Funded: No			ENG	48	15	CRF													15
Other Project Information: CP #: 61554 FFC: 9 Comm. Dist. 3 Priority Group: CLVT FGC: N/A			ROW	5	5	CRF													5
TCCP Transportation Goals: 1, 2, 3 and 10			CON	0	590	CRF				10	CRF								600
Project Elements: A, B, D, O, S			Total	138	610		0	0	0	10		0	0	0	0	0	0	0	620
Improvement Type: 04 Enviro. Type: DCE			610				10												
Project Description:			Replace a culvert that previously failed. A emergency road closure was implemented in January 2022 to protect the public. A new structure is needed that meets current fish passage requirements and will re-establish road access.																

			2024				2025				2026				2027-2029				2024-2029 Total
Project Title			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map	Rank #		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Thurston County Action Plan			Project Phase	Prior Expend.															
Project Limits: Length: Varies Countywide Beg MP: Varies End MP: Varies			PLAN	0	300	CRF													300
Funding Detail: Est. Total Cost: TBD Fully Funded: Yes			ENG	0															0
Other Project Information: CP #: 61491 FFC: Varies Comm. Dist. All Priority Group: HSIP FGC: Varies			ROW	0															0
TCCP Transportation Goals: 1, 2 and 3			CON	0															0
Project Elements: A, B, D, F, G, K, L, N, P			Total	-	300		0	0	0	0	0	0	0	0	0	0	0	0	300
Improvement Type: 21 Enviro. Type: DCE			300				0												
Project Description:			Update the current Thurston County Action Plan to keep it relevant for future grant opportunities.																

			2024				2025				2026				2027-2029				2024-2029 Total
Project Title			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map	Rank #		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Pleasant Glade Elementary Pedestrian Improvements (SRTS)			Project Phase	Prior Expend.															
Project Limits: Length: 0.379 Mile Road Log #: 10020 Beg MP: 0.000 End MP: 0.379			PLAN	50															0
Funding Detail: Est. Total Cost: \$1,600,000 Fully Funded: Yes			ENG	50	5	CRF	45	SRTS											50
Other Project Information: CP #: 61523 FFC: 19 Comm. Dist. 1 Priority Group: SRTS FGC: N/A			ROW	272	18	CRF	160	SRTS											178
TCCP Transportation Goals: 1, 2 and 3			CON	0	100	CRF	900	SRTS			1	CRF	9	SRTS					1010
Project Elements: F, G, K, L			Total	372	123		1105	0	0	1		9	0	0	0	0	0	0	1238
Improvement Type: 28 Enviro. Type: DCE			1228				10												
Project Description:			Construct new sidewalk, ADA ramps, and other features that will improve safety concerns for children who walk to school.																

6-year project list

Project Title					Map	D	Rank #	19	Project Phase	Prior Expend.	2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total
Thompson Creek Rd SE at Thompson Creek Fish Passage					Revenue Sources in \$1,000's						Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's								
					Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other				
<u>Project Limits:</u> Length: 0.076 Mile					PLAN	92																			0			
Road Log #: 15005 Beg MP: 2.609 End MP: 2.685					ENG	175	10	REET																	10			
<u>Funding Detail:</u>					ROW	50																			0			
Est. Total Cost: \$2,157,000 Fully Funded: Yes					CON	0	920	REET		500	BAG		716	REET											2136			
<u>Other Project Information:</u>					Total	317	930		0	500		0	716		0	0	0				0	0	0	0		2146		
					1430				716																2146			
<u>Project Elements:</u> A, B, C, M																												
<u>Improvement Type:</u> 11																												
<u>Enviro. Type:</u> DCE																												
<u>Project Description:</u> Replace a culvert identified as a barrier to fish passage with a structure that meets current fish passage requirements. Perform roadway repairs as required by the culvert replacement.																												

Project Title			Map	C	Rank #	20	Project Phase		Prior Expend.	2024				2025				2026				2027-2029				2024-2029 Total		
Tilley Rd Bridge Replacement (T-2)							Project Phase		Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
										Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
<u>Project Limits:</u> Length: 0.076 Mile							PLAN		93										0									0
Road Log #: 15065 Beg MP: 4.017 End MP: 4.093							ENG		0										0									0
<u>Funding Detail:</u> Est. Total Cost: \$3,500,000 Fully Funded: No							ROW		0										0				50	CRF				50
<u>Other Project Information:</u> CP #: 61547 FFC: 07 Comm. Dist. 4							CON		0										0									0
Priority Group: BR FGC: T-3							Total		93	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	50
<u>TCCP Transportation Goals:</u> 1, 2 and 4										0				0				0				50				50		
<u>Project Elements:</u> A, B, D, L, M, S																												
<u>Improvement Type:</u> 11 <u>Enviro. Type:</u> DCE																												
<u>Project Description:</u> Replace existing functionally obsolete Tilley Rd Bridge (T-2) over Beaver Creek with concrete voided slab girder bridge.																												

			2024				2025				2026				2027-2029				2024-2029 Total				
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's						
Map	C	Rank #			Local	Federal	State	Other	Local	Federal	State	Other	2024-2025 Total	Local	Federal	State	Other	Local		Federal	State	Other	
Tilley Rd S - Old Hwy 99 SW to Goddard Road SW																							
<u>Project Limits:</u> Length: 0.200 Mile			PLAN	150								0											
Road Log #: 13765 Beg MP: 6.910 End MP: 7.110																							
<u>Funding Detail:</u>																							
Est. Total Cost: \$1,800,000 Fully Funded: No			ENG	235	10	CRF			90	RAP		115	1			14							
<u>Other Project Information:</u>																							
CP #: 61317 FFC: 16 Comm. Dist. 4			ROW	88								312	31			281							
Priority Group: CAP, HSIP FGC: T-2																							
<u>TCCP Transportation Goals:</u>			CON	0								0											
1, 2 and 4																							
<u>Project Elements:</u> A, B, D, K, L, T			Total	473	10		0		90		0		427	32		0		295		0			
<u>Improvement Type:</u> 03 <u>Enviro. Type:</u> DCE							100				327				3185				10				3622
<u>Project Description:</u> Widen and reconstruct roadway to provide additional turning lanes, illumination, and drainage.																							

6-year project list

			2024				2025				2026				2027-2029				2024-2029 Total
Project Title			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map A Rank # 22			Local	Federal	State	Other	Local	Federal	State	Other					Local	Federal	State	Other	
Evergreen Pkwy & Mud Bay Rd Interchange Improvements			5	CRF			150	TIF							50	TIF			205
Project Limits: Length: 0.129 Mile															70	TIF			70
Road Log #: 13476 Beg MP: 0.974 End MP: 1.103															30	TIF			30
Funding Detail: Est. Total Cost: \$4,500,000 Fully Funded: No																			0
Other Project Information: CP #: 61161 FFC: 14 Comm. Dist. 3																			0
Priority Group: CAP, HSIP FGC: T-3																			0
TCCP Transportation Goals: 1, 2 and 3			5		0	0	150	0	0	0					150	0	0	0	305
Project Elements: A, B, D, F, G, J, K, L, P			5				150								150				305
Improvement Type: 03 Enviro. Type: DCE			Project Description: Construct two roundabouts at the intersections of Mud Bay Rd NW and the Evergreen Parkway NW off-ramps.																

			2024				2025				2026				2027-2029				2024-2029 Total
Project Title			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map C Rank # 23			Local	Federal	State	Other	Local	Federal	State	Other					Local	Federal	State	Other	
Sargent Rd SW - US 12 to Old Hwy 99 SW (South Grand Mound UGA Improvements)			200	CRF															200
Project Limits: Length: 0.413 Mile																			0
Road Log #: 14420 Beg MP: 0.000 End MP: 0.413																			0
Funding Detail: Est. Total Cost: \$4,000,000 Fully Funded: No																			0
Other Project Information: CP #: 61507 FFC: 17 Comm. Dist. 4																			0
Priority Group: CAP FGC: T-4																			0
TCCP Transportation Goals: 1, 2 and 3			200		0	0	0	0	0	0					0	0	0	0	200
Project Elements: A, B, D, F, G, K, L, P			200				0								0				200
Improvement Type: 04 Enviro. Type: DCE			Project Description: Widen and rehabilitate existing roadway, and construct urban improvements such as lighting, sidewalks, and bike lanes.																

			2024				2025				2026				2027-2029				2024-2029 Total
Project Title			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map N/A Rank # 24			Local	Federal	State	Other	Local	Federal	State	Other					Local	Federal	State	Other	
Trail Enhancement Study			150	CRF															150
Project Limits: Length: 0.000 Mile																			0
Countywide Beg MP: 0.000 End MP: 0.000																			0
Funding Detail: Est. Total Cost: \$200,000 Fully Funded: No																			0
Other Project Information: CP #: 61543 FFC: N/A Comm. Dist. All																			0
Priority Group: HISP FGC: N/A																			0
TCCP Transportation Goals: 1, 2 and 3			150		0	0	0	0	0	0					0	0	0	0	150
Project Elements: R			150				0								0				150
Improvement Type: 19 Enviro. Type: DCE			Project Description: Study to develop an inventory for all Thurston County trail crossings, recommend and prioritize low-cost crossing improvements and develop trail standards for different crossing priorities.																

6-year project list

			2024		2025								
<div>Project Title<div>Map B</div>Rank # 25</div> <div>Old Pacific Hwy/Kuhlman Rd Intersection Improvements</div> <div><div>Project Limits:</div>Length: 0.076 Mile</div> <div>Road Log #: 13755</div> <div>Beg MP: 2.717</div> <div>End MP: 2.793</div> <div><div>Funding Detail:</div>Est. Total Cost: TBD</div> <div>Fully Funded: No</div> <div><div>Other Project Information:</div>CP #: 61553</div> <div>FFC: 16</div> <div>Comm. Dist. 2</div> <div>Priority Group: CAP</div> <div>FGC: T-2</div> <div><div>TCCP Transportation Goals:</div>1 and 2</div> <div><div>Project Elements:</div>R</div> <div><div>Improvement Type:</div>19</div> <div><div>Enviro. Type:</div>DCE</div>			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total
			Local	Federal	State	Other	Local	Federal	State	Other			
			150	TIF				10	CRF				
			ENG	0							0		
			ROW	0							0		
			CON	0							0		
			Total	170	150	0	0	0	10	0	0	160	
			150				10						
Project Description: Conduct a traffic alternatives study to determine intersection improvements at Old Pacific Hwy SE and Kuhlman Rd SE.													

			2024		2025								
<div>Project Title<div>Map C</div>Rank # 26</div> <div>183rd Ave Phase 1 - (US 12 to Sargent Rd)</div> <div><div>Project Limits:</div>Length: 1.710 Mile</div> <div>Road Log #: 16125</div> <div>Beg MP: 6.000</div> <div>End MP: 7.710</div> <div><div>Funding Detail:</div>Est. Total Cost: \$3,400,000</div> <div>Fully Funded: Yes</div> <div><div>Other Project Information:</div>CP #: 61348</div> <div>FFC: 17</div> <div>Comm. Dist. 4</div> <div>Priority Group: CAP</div> <div>FGC: T-3</div> <div><div>TCCP Transportation Goals:</div>1, 2 and 4</div> <div><div>Project Elements:</div>A, B, D, S, T</div> <div><div>Improvement Type:</div>04</div> <div><div>Enviro. Type:</div>DCE</div>			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total
			Local	Federal	State	Other	Local	Federal	State	Other			
			8	CRF		72	RAP						
			250	CRF									
			ENG	150							80		
			ROW	50							250		
			CON	0							2696		
			Total	300	306	0	501	0	754	0	1465	3026	
			807				2219						
Project Description: Widen and rehabilitate pavement, pave and widen shoulders, remove obstructions in the clear zone, and replace bridge approach guardrail.													

			2024		2025								
<div>Project Title<div>Map A</div>Rank # 27</div> <div>Shawn Dr SW at UNT to Dempsey Creek Fish Passage</div> <div><div>Project Limits:</div>Length: 0.076 Mile</div> <div>Road Log #: 14545</div> <div>Beg MP: 0.076</div> <div>End MP: 0.152</div> <div><div>Funding Detail:</div>Est. Total Cost: \$1,800,000</div> <div>Fully Funded: Yes</div> <div><div>Other Project Information:</div>CP #: 63024</div> <div>FFC: 09</div> <div>Comm. Dist. 4</div> <div>Priority Group: FP</div> <div>FGC: N/A</div> <div><div>TCCP Transportation Goals:</div>1, 2 and 10</div> <div><div>Project Elements:</div>A, B, D, M</div> <div><div>Improvement Type:</div>08</div> <div><div>Enviro. Type:</div>DCE</div>			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total
			Local	Federal	State	Other	Local	Federal	State	Other			
			5	REET									
			30	REET			40	CRF					
			35	REET			10	CRF					
			ENG	0							70		
			ROW	0							45		
			CON	0							1504		
			Total	66	70	0	0	0	1504	0	50	1624	
			70				1554						
Project Description: Replace a culvert identified as a barrier to fish passage with a structure that meets current fish passage requirements. Perform roadway repairs as required by the culvert replacement.													

			2026		2027-2029						
<div>Revenue Sources in \$1,000's</div> <div>Local</div> <div>Federal</div> <div>State</div> <div>Other</div>			Revenue Sources in \$1,000's			Revenue Sources in \$1,000's			2024-2029 Total		
			Local	Federal	State	Other	Local	Federal		State	Other
			0	0	0	0				0	
			0				0				

			2026		2027-2029						
<div>Revenue Sources in \$1,000's</div> <div>Local</div> <div>Federal</div> <div>State</div> <div>Other</div>			Revenue Sources in \$1,000's			Revenue Sources in \$1,000's			2024-2029 Total		
			Local	Federal	State	Other	Local	Federal		State	Other
			10	REET						1514	
			10		0	0	0	0	0	0	1634
			10				0				

6-year project list

Project Title			Map	C	Rank #	28	2024		2025				2026				2027-2029				2024-2029 Total				
Old Hwy 99 & Old Hwy 9							Revenue Sources in \$1,000's		Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's							
							Local	Federal	State	Other	Local	Federal		State	Other	Local	Federal	State	Other	Local		Federal	State	Other	
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: 13765 Beg MP: 0.000 End MP: 0.000 <b>Funding Detail:</b> Est. Total Cost: TBD Fully Funded: No <b>Other Project Information:</b> CP #: TBD FFC: 16 Comm. Dist. 4 Priority Group: CAP FGC: T-2 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> R <b>Improvement Type:</b> 19 <b>Enviro. Type:</b> DCE							Project Phase	Prior Expend.						150	CRF									150	
							PLAN	0																	150
							ENG	0																	0
							ROW	0																	0
							CON	0																	0
							Total	-	0	0	0	0	150	0	0	0	0	150	0	0	0	0	150		
							0				150				0				0				150		
							Project Description: Conduct a traffic alternative study to determine future intersection improvements at the intersection of Old Hwy 9 SW and Old Hwy 99 SW.																		

					2024				2025						2026				2027-2029				2024-2029			
Project Title			Map	B	Rank #	29	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029 Total
Marvin Rd Upgrade Phase 3 (Union Mills Rd to Pacific Ave)									Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<u>Project Limits:</u> Length: 0.562 Mile							PLAN	0																0		
Road Log #: 13195 Beg MP: 2.318 End MP: 2.880							ENG	0												50	CRF			50		
<u>Funding Detail:</u> Est. Total Cost: \$5,000,000 Fully Funded: No							ROW	0																0		
<u>Other Project Information:</u> CP #: 61552 FFC: 16 Comm. Dist. 2 & 5 Priority Group: CAP FGC: T-3							CON	0																0		
<u>TCCP Transportation Goals:</u> 1, 2 and 3																								0		
<u>Project Elements:</u> A, B, D, F, G, H, K, L, N, P							Total	-	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	50		
<u>Improvement Type:</u> 03 <u>Enviro. Type:</u> DCE									0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50		
<u>Project Description:</u> Reconstruct roadway to provide 2 to 3 lanes, bike lanes, pedestrian refuge islands, planter strips, medians, sidewalks, lighting, and drainage.																										

			2024				2025				2026				2027-2029				2024-2029 Total		
Project TitleMap C Rank # 30			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
					Local	Federal	State	Other	Local	Federal	State	Other	2024-2025 Total	Local	Federal	State	Other	Local		Federal	State
Elderberry St SW Upgrade (US 12 to 196th Ave)																					
<u>Project Limits:</u> Length: 0.137 Mile Road Log #: 11345 Beg MP: 0.000 End MP: 0.137			PLAN	0	150	CRF														150	
<u>Funding Detail:</u> Est. Total Cost: TBD Fully Funded: No			ENG	0																0	
<u>Other Project Information:</u> CP #: 61520 FFC: 17 Comm. Dist. 4 Priority Group: CAP FGC: T-3			ROW	0																0	
<u>TCCP Transportation Goals:</u> 1, 2 and 3			CON	0																0	
<u>Project Elements:</u> R			Total	-	150	0	0	0	0	0	0	0	0	150	0	0	0	0	0	150	
<u>Improvement Type:</u> 19 <u>Enviro. Type:</u> DCE			<u>Project Description:</u> Conduct a traffic alternative study to determine intersection improvements and upgrades to the existing roadway and pedestrian/bicycle facilities.																		



6-year project list

Project TitleMap C Rank # 31			Project Phase		Prior Expend.	2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total
						Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
						Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Rochester-Grand Mound Trail Feasibility Study			PLAN	173	5	CRF								5									5
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: N/A Beg MP: 0.000 End MP: 0.000			ENG	0										0									0
<b>Funding Detail:</b> Est. Total Cost: \$150,000 Fully Funded: Yes			ROW	0										0									0
<b>Other Project Information:</b> CP #: 61527 FFC: N/A Comm. Dist. 4 Priority Group: PB FGC: N/A			CON	0										0									0
<b>TCCP Transportation Goals:</b> 1, 2 and 3			Total	173	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
<b>Project Elements:</b> R																							
<b>Improvement Type:</b> 19 <b>Enviro. Type:</b> DCE			<b>Project Description:</b> Study to examine potential trail connections between Rochester and Grand Mound as the next step outlined in the 2007 Regional Trails Plan.																				

Project TitleMap B Rank # 32 Steilacoom Rd Improvements Phase 1 (Pacific Ave NE to SR 510)			Project Phase	Prior Expend.	2024				2025				2024- 2025 Total	2026				2027-2029				2024- 2029 Total	
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
<b>Project Limits:</b> Length: 0.492 Mile Road Log #: 14830 Beg MP: 0.042 End MP: 0.534 <b>Funding Detail:</b> Est. Total Cost: \$3,000,000 Fully Funded: No <b>Other Project Information:</b> CP #: 61461 FFC: 16 Comm. Dist. 5 Priority Group: SRTS, CAP FGC: T-3 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> A, B, D, F, G, K, L, N, P			PLAN	556										0							0		
			ENG	0												0				50	CRF		50
			ROW	0												0							0
			CON	0												0							0
			Total	556	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	50
<b>Improvement Type:</b> 04 <b>Enviro. Type:</b> DCE					0				0				0	0				50				50	
					<b>Project Description:</b> Widen and rehabilitate pavement, provide bike lanes and sidewalks on both sides of the road, improve lighting, drainage, and pedestrian safety. Sustainable features such as rain gardens will be incorporated.																		

Project Title			Map	C	Rank #	33	Project Phase	Prior Expend.	2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total
Rainier Rd SE & Fir Tree Rd SE Intersection Improvements									Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
							Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other			
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: 14115 Beg MP: 0.000 End MP: 0.000							PLAN	0						150	CRF										150	
<b>Funding Detail:</b> Est. Total Cost: TBD Fully Funded: No							ENG	0																	0	
<b>Other Project Information:</b> CP #: TBD FFC: 16 Comm. Dist. 4 Priority Group: CAP FGC: T-3							ROW	0																	0	
<b>TCCP Transportation Goals:</b> 1, 2 and 3							CON	0																	0	
<b>Project Elements:</b> R							Total	-	0	0	0	0	150	0	0	0	150	0	0	0	0	0	0	0	150	
<b>Improvement Type:</b> 19 <b>Enviro. Type:</b> DCE							<b>Project Description:</b> Conduct a traffic alternative study to determine future intersection improvements at the intersection of Fir Tree Rd SE and Rainier Rd SE.																			

6-year project list

Project Title Map C Rank # 34 Old Hwy 99 Rural Capacity Project (US 12 to S UGA Boundary)			Project Phase		Prior Expend.		2024				2025				2026				2027-2029				2024- 2029 Total			
							Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's							
							Local	Federal	State	Other	Local	Federal	State	Other	2024- 2025 Total	Local	Federal	State	Other	Local	Federal	State		Other		
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: 13765 Beg MP: 0.000 End MP: 0.000 <b>Funding Detail:</b> Est. Total Cost: \$8,000,000 Fully Funded: No <b>Other Project Information:</b> CP #: 61497 FFC: 16 Comm. Dist. 4 Priority Group: CAP FGC: T-2 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> A, D, F, G, K, L, P <b>Improvement Type:</b> 03 <b>Enviro. Type:</b> DCE			PLAN	0													50	CRF				50				
			ENG	0																			0			
			ROW	0																			0			
			CON	0																			0			
			Total	-																				0		
						0				0								0				50				50
<b>Project Description:</b> Construct a travel lane in each direction with turn lanes or medians. Other improvements will include shared use paths, sidewalks, midblock crossing, street lights, and bike lanes.																										

Project Title Map B Rank # 35 Pacific Ave SE/Steilacoom Rd SE/Union Mills Rd SE Intersection Improvements			Project Phase	Prior Expend.	2024				2025				2024- 2025 Total	2026				2027-2029				2024- 2029 Total	
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
<b>Project Limits:</b> Length: 0.055 Mile Road Log #: 13850 Beg MP: 4.328 End MP: 4.383 <b>Funding Detail:</b> Est. Total Cost: TBD Fully Funded: No <b>Other Project Information:</b> CP #: TBD FFC: 14 Comm. Dist. 5 Priority Group: CAP, HISP FGC: T-2 <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> R <b>Improvement Type:</b> 19 <b>Enviro. Type:</b> DCE			PLAN	0									0	50	CRF							50	
			ENG	0										0									0
			ROW	0										0									0
			CON	0										0									0
			Total	-	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
<b>Project Description:</b> Conduct a traffic alternatives study to determine future intersection improvements at the intersections of Pacific Ave SE at Steilacoom Rd SE and Union Mills Rd SE.					0				0					50				0				50	

Project Title Map <b>B</b> Rank # <b>36</b> <b>Kingham St SE - 3rd Ave SE to Martin Way E Pedestrian Improvements</b>			Project Phase	Prior Expend.	2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total			
					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's							
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other				
<b>Project Limits:</b> Length: 0.000 Mile Road Log #: 12600 Beg MP: 0.000 End MP: 0.000 <b>Funding Detail:</b> Est. Total Cost: TBD Fully Funded: No <b>Other Project Information:</b> CP #: 61565 FFC: 19 Comm. Dist. 5 Priority Group: PB FGC: N/A <b>TCCP Transportation Goals:</b> 1, 2 and 3 <b>Project Elements:</b> R <b>Improvement Type:</b> 19 <b>Enviro. Type:</b> DCE			PLAN	100									0								0				
			ENG	0										0								0			
			ROW	0										0								0			
			CON	0										0								0			
			Total	100										0									0		
					0				0								800				0				800
<b>Project Description:</b> Construct new sidewalk and ADA ramps to improve mobility along Kingham St.																									

6-year project list

Project TitleMap C Rank # 37			Project Phase		Prior Expend.	2024				2025				2024-2025 Total	2026				2027-2029				2024-2029 Total
						Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
						Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
196th Ave SW - Sargent Rd SW to Elderberry St SW			PLAN		150										0								0
<u>Project Limits:</u> Length: 0.382 Mile Road Log #: 16175 Beg MP: 8.671 End MP: 9.053			ENG		0										0								10
<u>Funding Detail:</u> Est. Total Cost: TBD Fully Funded: No			ROW		0										0								0
<u>Other Project Information:</u> CP #: 61564 FFC: 17 Comm. Dist. 4 Priority Group: CAP FGC: T-2			CON		0										0								0
<u>TCCP Transportation Goals:</u> 1, 2 and 3			Total		150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
<u>Project Elements:</u> A, B, D, F, G, K, L, P							0				0				10				0				
<u>Improvement Type:</u> 04 <u>Enviro. Type:</u> DCE			<u>Project Description:</u> Widen and rehabilitate existing roadway, and construct urban improvements such as lighting, sidewalks, and bike lanes.																				

Project Title			Map	C	Rank #	38	2024		2025				2026				2027-2029				2024-2029 Total					
							Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's							
							Local	Federal	State	Other	Local	Federal	State	Other					Local	Federal	State	Other				
<b>McCorkle Rd SE (113th Ave SW to Old Hwy 99)</b>							Project Phase	Prior Expend.																		
<b>Project Limits:</b> Length: 1.358 Mile Road Log #: 13229 Beg MP: 0.000 End MP: 1.358							PLAN	0																		0
<b>Funding Detail:</b> Est. Total Cost: \$2,000,000 Fully Funded: No							ENG	0																		0
<b>Other Project Information:</b> CP #: TBD FFC: 07 Comm. Dist. 4 Priority Group: CAP FGC: T-3							ROW	0																		0
<b>TCCP Transportation Goals:</b> 1, 2 and 3							CON	0																		0
<b>Project Elements:</b> A, B, D, F, G, K, L, N, P							Total	-		0	0	0	0	0	0	0	0	0	10	0	0	0	0	0		
<b>Improvement Type:</b> 04 <b>Enviro. Type:</b> DCE									0				0				0				10				10	
<b>Project Description:</b> Widen/rehabilitate pavement, construct bicycle lanes and sidewalks, improve drainage, lighting, and pedestrian safety. Incorporates sustainable features such as rain gardens.																										

			2024				2025				2026				2027-2029				2024-2029			
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029 Total
113th Ave SW (SR 121/Tilley Rd S to McCorkle Rd SE)					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<b>Project Limits:</b> Length: 1.220 Mile Road Log #: 15805 Beg MP: 14.000 End MP: 15.220			PLAN	0												10	CRF				10	
<b>Funding Detail:</b> Est. Total Cost: \$2,000,000 Fully Funded: No			ENG	0																	0	
<b>Other Project Information:</b> CP #: TBD FFC: 07 Comm. Dist. 4 Priority Group: CAP FGC: T-3			ROW	0																	0	
<b>TCCP Transportation Goals:</b> 1, 2 and 3			CON	0																	0	
<b>Project Elements:</b> A, B, D, F, G, K, L, N, P			Total	-	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10	
<b>Improvement Type:</b> 04 <b>Enviro. Type:</b> DCE			<b>Project Description:</b> Widen/rehabilitate pavement, construct bicycle lanes and sidewalks, improve drainage, lighting, and pedestrian safety. Incorporates sustainable features such as rain gardens.																			

6-year project list

2024			2025			2026			2027-2029			2024-2029 Total
Revenue Sources in \$1,000's						Revenue Sources in \$1,000's						2024-2029 Total
Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
												0
												0
												0
												0
0	0	0	0	0	0	0	0	0	0	0	0	0
0				0				300				300
Project Description: This project includes installing an ADA compliant sidewalk from Martin Way bus stop next to Carpenter Rd. to the site of the new Regional Transition Center, north on Carpenter.												

2024			2025			2026			2027-2029			2024-2029 Total
Revenue Sources in \$1,000's						Revenue Sources in \$1,000's						2024-2029 Total
Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
												0
		200	WDOT			100	WDOT					300
						10	WDOT					10
												0
0	0	200	0	0	0	110	0					310
200				110				6430				6750
Project Description: Construct a single-lane roundabout at the intersection of SR 507 and Vail Rd SE.												

2024			2024			2026			2027-2029			2024-2029 Total
Revenue Sources in \$1,000's						Revenue Sources in \$1,000's						2024-2029 Total
Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
												0
												0
												0
0	0	0	0	0	0	0	0					0
0				0				4000				4000
Project Description: Replace the top layer of existing pavement with fiber-reinforced asphalt.												



6-year project list

			2024				2024				2026				2027-2029				2024-2029 Total					
			Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's								
Project Title	Map	A	Rank #	43	Project Phase	Prior Expend.	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Black Lake Belmore Rd Bridge Approach Repair																								
<u>Project Limits:</u> Length: 0.120 Mile Black Lake Belmore Rd Beg MP: 1.55 End MP: 1.43					PLAN	0																		
<u>Funding Detail:</u> Est. Total Cost: \$3,700,000 Fully Funded: Yes					ENG	160																		
<u>Other Project Information:</u> CP #: 77175 FFC: 07 Comm. Dist. 3 & 4 Priority Group: BR FGC: T-3					ROW	0																		
<u>TCCP Transportation Goals:</u> 1, 2 and 3					CON	3,530	10	CRF																
<u>Project Elements:</u> A, B, D, M					Total	3,690	10		0	0	0	0	0	0					0	0	0	0		
<u>Improvement Type:</u> 14 <u>Enviro. Type:</u> DCE							10				0					0				0				
<u>Project Description:</u> Construct a timber pile embankment to support roadway and bridge approach slabs from future settlement.																								

6-year program list

		2024				2025					2026				2027-2029				2024-2029	
County Program Title		Project Phase	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029 Total
Americans with Disabilities Act (ADA) Program			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<b>Program Limits (Length):</b> Countywide  <b>Other Project Information:</b> CP #: 64000                      Comm. Dist.    1, 2, 3 Priority Group: ADA <b>TCCP Transportation Goals:</b> 3 <b>Program Elements:</b> B, F, G, K, L <b>Improvement Type:</b> 28 <b>Enviro. Type:</b> DCE		PLAN									0								0	
		ENG									0								0	
		ROW									0								0	
		CON	50    CRF				50    CRF				100	50    CRF				150    CRF				300
		Total	50	0	0	0	50	0	0	0	100	50	0	0	0	150	0	0	0	300
			50									50				150				300
<b>Program Description:</b> This program prioritizes and performs curb ramp and sidewalk improvements to align with the Americans with Disabilities Act (ADA).																				

		2024				2025					2026				2027-2029				2024-2029
County Program Title	Project Phase	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029
Fish Passage Enhancement Program		Local	Federal	State	Other	Local	Federal	State	Other	Total	Local	Federal	State	Other	Local	Federal	State	Other	Total
<u>Program Limits (Length):</u> Countywide  <u>Other Project Information:</u> CP #: 63006                      Comm. Dist.    1, 2, 3 Priority Group: FP <u>TCCP Transportation Goals:</u> 1, 2, 4 and 5 <u>Program Elements:</u> A, B, D, S  <u>Improvement Type:</u> 08 <u>Enviro. Type:</u> DCE	PLAN	200	REET							200									200
	ENG									0									0
	ROW									0									0
	CON									0	2000	REET			6000	REET			8000
	Total	200	0	0	0	0	0	0	0	0	200	2000	0	0	0	6000	0	0	0
<u>Program Description:</u> This program is for the identification of dedicated projects that improve fish passage conditions, including habitat restoration and removal of fish passage barriers.																			

		2024				2025					2026				2027-2029				2024-2029
County Program Title	Project Phase	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2025 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2024-2029 Total
Road Preservation & Rehabilitation Program		Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
<b>Program Limits (Length):</b> Countywide  <b>Other Project Information:</b> CP #: TBD                      Comm. Dist.    1, 2, 3 Priority Group: PRSV <b>TCCP Transportation Goals:</b> 1, 4 and 5 <b>Program Elements:</b> A, B, C, D, G, L <b>Improvement Type:</b> 05/06 <b>Enviro. Type:</b> DCE	PLAN									0									0
	ENG	50    CRF				50    CRF				100	50    CRF				150    CRF				300
	ROW									0									0
	CON	4950    CRF				4950    CRF 1000    REET				10900	4950    CRF 1000    REET				14850    CRF 3000    REET				34700
	Total	5000	0	0	0	6000	0	0	0	11000	6000	0	0	0	18000	0	0	0	
						6000					6000				18000				
<b>Program Description:</b> This program prioritiezes and performs preservation and minor rehabilitation of various roadway surfaces to extend the life of road sections 10-20 years.																			

# 6-year program list

County Program Title	
Pedestrian & Bicycle Program	
<b>Program Limits (Length):</b> Countywide	
<b>Other Project Information:</b> Priority Group: PB                      Comm. Dist.    1, 2, 3	
<b>TCCP Transportation Goals:</b> 1, 3	
<b>Program Elements:</b> A, B, F, G, K, L, P	
<b>Improvement Type:</b> 28 <b>Enviro. Type:</b> DCE	
<b>Program Description:</b> This program prioritizes and performs projects that seek to improve conditions for biking and walking, and to protect and preserve community environment and character.	

County Program Title	
Safe Routes to School Program	
<b>Program Limits (Length):</b> Countywide	
<b>Other Project Information:</b> Priority Group: SR                      Comm. Dist.    1, 2, 3	
<b>TCCP Transportation Goals:</b> 1, 3	
<b>Program Elements:</b> A, B, F, G, K, L	
<b>Improvement Type:</b> 28 <b>Enviro. Type:</b> DCE	
<b>Program Description:</b> This program prioritizes and performs projects that include new sidewalk, ADA ramps and other features that seek to improve safety for children who walk to school.	

County Program Title	
Bridge Program	
<b>Program Limits (Length):</b> Countywide	
<b>Other Project Information:</b> Priority Group: BR                      Comm. Dist.    1, 2, 3	
<b>TCCP Transportation Goals:</b> 1	
<b>Program Elements:</b> A, B, D, F, G, H, K, L, M, R, S, T	
<b>Improvement Type:</b> 08-14 <b>Enviro. Type:</b> DCE	
<b>Program Description:</b> This program prioritizes and performs projects that keep bridges open and safe for public use. Projects could include bridge installment, enhancement and replacements. An annual Bridge Index Report is required	

County Program Title	
County Road Safety Improvement Program	
<b>Program Limits (Length):</b> Countywide	
<b>Other Project Information:</b> Priority Group: HSIP                      Comm. Dist.    1, 2, 3	
<b>TCCP Transportation Goals:</b> 1, 3	
<b>Program Elements:</b> A, H, K, L, R, S, T, U	
<b>Improvement Type:</b> 21 <b>Enviro. Type:</b> DCE	
<b>Program Description:</b> This program prioritizes and performs projects that seek to align with the Washington State Target Zero plan, to reduce fatal and serious injury collisions to zero by the year 2030. Improvements include signing, pavement markings, guardrails, grading, lighting, studies and data collection.	

County Program Title	
Culvert Program	
<b>Program Limits (Length):</b> Countywide	
<b>Other Project Information:</b> Priority Group: CLVT                      Comm. Dist.    1, 2, 3	
<b>TCCP Transportation Goals:</b> 1, 3	
<b>Program Elements:</b> A, B, D, L, M, S	
<b>Improvement Type:</b> 08-14 <b>Enviro. Type:</b> DCE	
<b>Program Description:</b> This program prioritizes and performs culvert improvement projects designed to install, enhance or rehabilitate county culverts.	

County Program Title	
Roadway Capacity Program	
<b>Program Limits (Length):</b> Countywide	
<b>Other Project Information:</b> Priority Group: CAP                      Comm. Dist.    1, 2, 3	
<b>TCCP Transportation Goals:</b> 1, 3, 4	
<b>Program Elements:</b> A, B, D, F, G, H, K, L, S, T, U	
<b>Improvement Type:</b> 08-14 <b>Enviro. Type:</b> DCE	
<b>Program Description:</b> This program prioritizes and performs projects that seek to accommodate future traffic conditions and volume by enhancing intersections, widening roadways, and adding other urban improvements.	

# Chapter 7

## 20- year capacity transportation projects

### Project listings

Thurston County must satisfy transportation-related planning and reporting requirements for various federal, state, regional, and local agencies. As these mandates have similar requirements but different project planning timeframes, Public Works aims to streamline how projects are chosen, prioritized, and reported, by creating a 1-year, 6-year, and 20-year listing of projects needed to maintain, preserve, and improve the county’s transportation system.

### 20-Year Capacity Projects List

This chapter focuses on the county’s 20-year list of projects, also known as the 2024-2043 Capacity Projects List. Capacity projects are transportation investments needed to support continued growth in Thurston County. This 20-year list is required by county code in order to collect Transportation Impact Fees and to qualify for certain state-issued grant funding opportunities. Capacity projects included in the 6-year plan are derived from this 20-year outlook.





# 2024-2043 Capacity Project List (20-year transportation plan)

Project Location	Project Description	Total Cost (2021 estimates)
<b>Meridian Rd NE</b> Martin Way E to Interstate 5	Widen to 2-3 lanes, urban improvements, shoulders.	\$2,500,000
<b>Pacific Ave SE</b> Union Mills Rd to SR 510	Phase I - widen road to 2-3 lanes, urban improvements, shoulders, and intersection modifications at Steilacoom Rd.	\$5,000,000
<b>Yelm Hwy SE &amp; Meridian Rd SE</b> Intersection Improvements	Install roundabout at intersection.	\$3,500,000
<b>Marvin Rd SE</b> Pacific Ave SE/SR 510 to Mullen Rd SE	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$20,000,000
<b>Steilacoom Rd SE</b> Pacific Ave SE to Dutterow Rd SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$20,000,000
<b>Mullen Rd SE</b> Timberline High School to Marvin Rd SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$20,000,000
<b>Yelm Hwy SE</b> BNSF Crossing to Meridian Rd SE	Phase 1-3 Replace and widen Bridge O-12 at BNSF railroad crossing, roundabout at Spurgeon Creek Rd SE, corridor improvements between Spurgeon Creek Rd and conceptual Marvin Rd extension.	\$20,000,000
<b>Carpenter Rd NE</b> Martin Way E to 1,300 ft North of Martin Way E	Widen to 2-3 lanes, shoulders and urban improvements.	\$1,500,000
<b>Old Pacific Hwy SE</b> Reservation Rd SE to Nisqually River Bridge	Widen to 2-3 lanes, shoulders and urban improvements.	\$8,000,000
<b>McCorkle Rd SE</b> from 113th Ave SE to Old Hwy 99 SE and <b>113th Ave SE</b> from SR 121 for McCorkle Rd SE	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary.	\$5,000,000
<b>Rich Rd SE</b> Deschutes River to Normandy Rd SE	Rural Mobility Improvements include widening, geometrics, shoulders, turn lanes if necessary and bridge over Spurgeon Creek.	\$6,372,219
<b>Rich Rd SE</b> Rixie Rd SE to Yelm Hwy SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$4,500,000
<b>Yelm Hwy SE Capacity Project 5</b> Orvas Ct SE to Rich Rd SE	Widen to 4-5 lanes, access management, and urban improvements.	\$19,226,223
<b>Old Hwy 99 SE</b> Rich Rd SE to 500 ft South of Silverspot Dr SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$2,500,000
<b>Rainier Rd SE at Fir Tree Rd SE Intersection</b>	Widen to 2-3 lanes, shoulders and intersection improvements.	\$5,000,000

# 2024-2043 Capacity Project List (20-year transportation plan)

Project Location	Project Description	Total Cost (2021 estimates)
<b>Elderberry Rd SW</b> US 12 to 196th Ave SW	Widen to 3 lanes, urban improvements, access management, intersection improvements at 196 <sup>th</sup> and US 12.	\$3,000,000
<b>Old Highway 99 S &amp; Tilley Rd S Intersection</b>	Provide left turn lane on EB Old Hwy 99 and provide illumination, rural mobility improvements, potentially a roundabout.	\$1,500,000
<b>Albany St SW</b> James Rd SW to Littlerock Rd SW	Rural mobility improvements include widening, geometrics, shoulders, sidewalks, and turn lanes if necessary.	\$2,500,000
<b>183rd Ave SW</b> Old Hwy 99 SW to SR 12	Rural mobility improvements include widening, geometrics, shoulders, intersection improvements, and turn lanes if necessary.	\$4,000,000
<b>US 12</b> West UGA boundary to Old Hwy 99 SW	New US 12 Intersection at west UGA, and US 12/Old Hwy 99/Elderberry intersection improvements, additional EB lane, EB turn lane.	\$9,300,000
<b>North Grand Mound UGA Improvements 196th Ave SW</b> Sargent Rd SW to Elderberry St SW	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$10,020,000
<b>South Grand Mound UGA Improvements Sargent Rd SW</b> US 12 to Old Hwy 99 SW	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$2,930,000
<b>US 12 &amp; Elderberry/Old Hwy 99</b>	Improve pedestrian right-of-way to decrease crossing times; implement a right-turn overlap phase for the NB approach.	\$200,000
<b>Old Hwy 99</b> US 12 to Old Hwy 9	Develop a cross-section for Old Highway 99 that provides adequate vehicle capacity will providing separated space for bicyclists and pedestrians.	\$8,240,000
<b>Old Hwy 99 at Intersections of Sargent Rd and 201st Ave</b>	Combine the Sargent Road and 201st intersections with Old Highway 99 with a roundabout.	\$3,480,000
<b>Old Hwy 9 &amp; Old Hwy 99</b>	Construct a traffic signal or roundabout at the intersection.	\$1,680,000
<b>15th Ave NE &amp; Draham St NE</b> Sleater Kinney Rd NE to Carpenter Rd NE	Phase I - widen road to 2-3 lanes, urban improvements, shoulders and intersection improvements.	\$8,000,000
<b>Johnson Pt Rd NE &amp; Hawks Prairie Rd NE</b> Intersection Improvements	Intersection improvements.	\$4,000,000
<b>South Bay Rd NE</b> 33rd Lane NE to Chehalis Western Trail	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$6,000,000
<b>Marvin Road NE &amp; 56th Ave NE Intersection</b>	Widen to 2-3 lanes, shoulders and intersection improvements.	\$3,000,000
<b>Delphi Rd SW</b> 62nd Ave SW to SR 101	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes and if necessary.	\$10,000,000

# 2024-2043 Capacity Project List (20-year transportation plan)

Project Location	Project Description	Total Cost (2021 estimates)
<b>Mud Bay Rd NW &amp; Evergreen Pkwy NW Intersection</b>	Intersection improvements at Evergreen Pkwy ramps and Mud Bay Rd.	\$2,500,000
<b>Sexton Dr NW</b> Steamboat Island Rd NW to 32nd Ave NW	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$250,000
<b>Bald Hill Rd SE</b> Smith Prairie SE to Clear Lake Rd SE	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary.	\$10,000,000
<b>153rd Ave SE and Vail Rd SE</b> Intersection Improvements	Intersection improvements.	\$2,000,000
<b>Littlerock Rd &amp; 113th Ave. SW</b> Bridge and Intersection Improvements	Install left turn lane, lighting, replace Bridge L-5, realignment of 113th Ave SE.	\$3,500,000
<b>Vail Rd Phase 2</b> 153rd to 138th	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary.	\$2,800,000
<b>Vail Rd</b> 138th to Bald Hill Rd	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary.	\$960,338

# Chapter 8

## 2023 Annual Bridge Report

### Introduction

As required by Washington Administrative Code (WAC) 136-20-060, each county engineer in Washington State must submit a written report of findings to the legislative body concerning the county's annual bridge inspection effort. Before adoption of the annual budget, the Board of County Commissioners is required to adopt a six-year plan for transportation improvements. WAC 136-20-060 also requires that the resolution adopting the six-year plan state that this engineer's report with respect to deficient bridges was available to the board during preparation of the plan.

This report summarizes the County's 2022-2023 bridge program. The three main goals of the bridge program are:

1. Keep the bridges open and safe for public use.
2. Preserve the bridge infrastructure by having a formal bridge report filed containing the history of inspections and evaluations of the condition of each structure. This data can be used to maximize the useful life of bridges through active maintenance and rehabilitation.
3. Replace bridges with new structures when repair and rehabilitation are not feasible.

This report also contains a summary on bridges scheduled to be reconstructed or retrofitted in 2024 and 2025.

### Program goal

Zero structurally deficient, functionally obsolete, or scour critical bridges in Thurston County.

### Credits

This report was prepared by the Public Works bridge program. The bridge program is responsible for the inspection and reporting required by the Washington Administrative Code (WAC) but also for providing engineering services that are necessary for maintenance repairs, load ratings and scour evaluations. The bridge program reports directly to the County Engineer and is supported by federally certified bridge inspectors, engineers and other personnel.

#### Management & Inspection

**Matt Unzelman**

P.E., County Engineer

**Brian Meier**

P.E., Design Engineer, Bridge Program Lead

#### Maintenance

**Mike Lowman**

Road Operations Manager



# Inventory

Public Works has 150 county owned bridges in its bridge inventory. Three bridges, L-8, L-9, and H-4 were constructed in 2022 and have been added to the bridge inventory as part of the fish passage program.

One of these three bridges, L-8, qualifies as a National Bridge Inventory (NBI) reportable bridge. A bridge must be greater than 20’ to be NBI reportable.

Public Works also has inter-local agreements to inspect two bridges for the City of Yelm and three bridges for the City of Tenino. However, the cities are required to complete any necessary maintenance on their bridges.

Five bridges owned and operated by railroads and one owned and operated by the Chehalis Indian Tribe require safety inspections per the Washington State Bridge Inspection Manual because they cross over a county road.

Seven bridges on the Chehalis Western Trail, four bridges on the Yelm-Tenino Trail and two bridges on the Gate Belmore Trail are included in the bridge inventory. Public Works is working toward incorporating other trail existing bridges into its inventory.



Thurston County Public Works inspects 104 NBI reportable bridges which are categorized by superstructure in the left figure.

Thurston County Public Works inspects 46 NBI non-reportable bridges which are categorized by superstructure in the figure above. These bridges are not eligible for federal replacement or rehabilitation funding.



# Inspections and findings

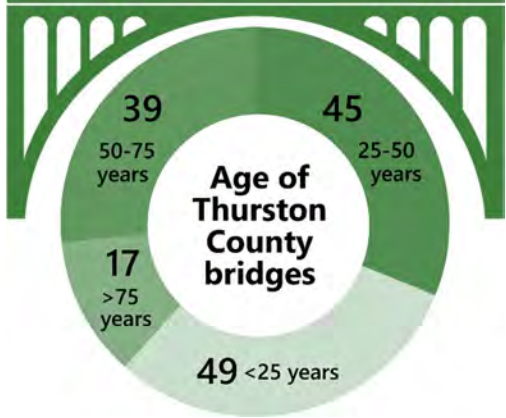
The National Bridge Inspection Standards (NBIS) and WAC 136-20-060 mandate that public agencies inspect and report on all bridges at least once every two years. Per these requirements, the County is required to document and report the current condition of each bridge, determine the degree of wear and deterioration, and recommend repairs or required service.

A total of ninety-six routine bridge inspections were performed in 2022. Bridge inspectors evaluated bridge conditions and documented observable defects. If necessary, inspectors created repair work orders, coordinated with road operations crews to complete the work and then performed follow up inspections once the work had been completed. Some work items were

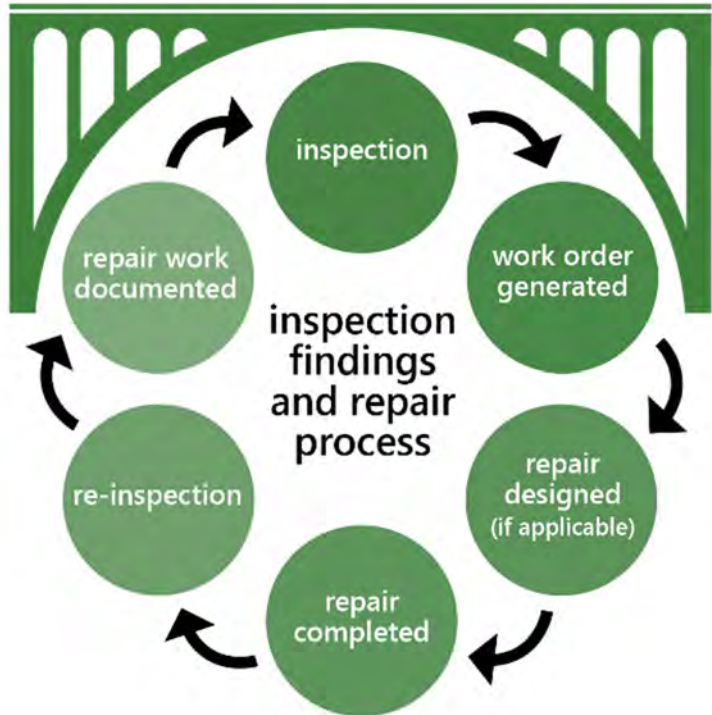
urgent and repaired quickly, while others were prioritized lower as longer-term maintenance items that will help preserve the service life of the bridge.

Several times each year, updated inspection reports are forwarded to the Washington State Department of Transportation (WSDOT) Local Programs which verifies compliance with the NBIS and reports to the Federal Highway Administration (FHWA). More frequent inspections and evaluations are completed on bridges determined in need of more frequent review due to their age, exposure, or condition. This program has served the citizens of Thurston County well because maintenance needs have been identified sufficiently early so that costs of repairs have remained relatively economical. However, maintenance needs and costs are continuing to increase due to the aging bridge inventory.

Seventeen bridges in the bridge inventory have exceeded their theoretical design life of seventy-five years. Ten of these bridges were built in the 1920s or earlier and four of them have a similar design as Salmon Creek Bridge (L-4) on Littlerock Road that was replaced in 2014. These four bridges are more frequently inspected due to the suspected lack of steel reinforcement in the



superstructure or substructure. More frequent inspections are also completed on the Tilley Road (T-2), Holmes Island (H-3), Mays Road (M-17) and McLane Delphi (MC-7) bridges due to their condition.



## Load ratings

All load ratings meet the latest federal requirements (23 CFR 650) including the criteria for Special Hauling Vehicles (SHVs) and Emergency Vehicles (EVs). Two bridges are posted with weight restrictions:

- Yelm Hwy Bridge (O-12) – Weight restricted to 30 tons for 5 axles, 33 tons for 6 and 37 tons for 7 or more axles. Typical traffic will not be impacted.
- Holmes Island Road Bridge (H-3) – Weight restriction will only affect vehicles with 4 or more axles carrying heavy loads. Typical traffic will not be impacted.

## Scour evaluations

The term “scour critical” is used to categorize bridge foundations in water where supporting material could be washed out by a flood event. Public Works reviewed and updated scour evaluations for all bridges in the inventory resulting in twenty-three bridges being categorized as scour critical. Attached to this report is a map showing scour critical bridge locations.

## Functionally obsolete (OB)

Functionally obsolete means that the deck geometry, load carrying capacity, clearance or approach roadway alignment has reduced the bridge’s ability to adequately meet the traffic demands. Functional obsolescence typically results from older bridge designs that are subject to increased traffic demands and are substandard structures as defined by the current bridge design codes. Thurston County currently owns nineteen functionally obsolete bridges.

Bridge Conditions				
Agency	Number of Bridges	Scour Critical	Functionally Obsolete (FO)	Structurally Deficient (SD)
Thurston County	150	23	19	0
City of Tenino	3	0	2	0
City of Yelm	2	0	0	0
Railroad bridges	5	0	N/A	N/A
Chehalis Indian Tribe	1	0	N/A	N/A

# Structurally deficient (SD)

Structurally deficient means that a bridge requires repair or replacement of a certain component. These components include bridge foundations, superstructures and decks. Being structurally deficient does not imply that the bridge is in danger of collapse or unsafe to the traveling public. There are no current structurally deficient bridge in the Thurston County bridge inventory.

# Sufficiency rating (SR)

Another measure that provides an overview of the condition of the inventory is a rating factor known as the Sufficiency Rating (SR). The SR of the entire inventory provides a comparative look at the health of the inventory from one year to next. The SR is a score calculated for each bridge using a multitude of ratings the inspector assigns to the bridge, based on the condition of the various components of the bridge. The geometric layout, safety, and importance of the bridge to the traveling public is also factored into the SR. The SR ranges from zero (a bridge that is closed and cannot carry traffic loads) to 100 (a new bridge with no deficiencies).

Federal bridge replacement and rehabilitation funding eligibility is determined by sufficiency rating. A bridge with a sufficiency rating below fifty qualifies for federal bridge replacement funding, while a bridge with a sufficiency rating below eighty and above fifty qualifies for federal rehabilitation funding. In addition to the sufficiency rating requirements the bridges must also be longer than twenty feet and have an element that has a conditional assessment less than 4 to qualify for federal funding.

A sufficiency rating of eighty or above does not qualify for federal funding. Currently the Yelm Hwy (O-12) and Holmes Island bridges (H-3) are the only bridges with sufficiency ratings less than fifty but they do not have any structural elements with a conditional score of 4 or less.

# Completed repairs

Repairs/maintenances are completed as needed or scheduled to keep our bridges safe. Bridge repairs and maintenance in 2022 included guardrail replacement, log jam removal, brush removal, approach repairs, beaver dam removal, paving and more. Repairs were contracted for the Steamboat Island Rd (S-7) and Hawks Prairie (H-1) bridges. The contract for the S-7 bridge repaired cracking and delamination/spalling in the pile caps. The contract for the H-1 bridge replaced a steel bridge joint that had failed.

# Upcoming repairs

Several bridge repairs are planned for 2023. These repairs include bridge approach reconstruction, scour repairs, crack repairs and brush removal. Approach reconstruction consists of excavating the bridge approaches and replacing with suitable backfill material that will prevent settlement. Scour repairs generally include placing rip rap material around piers or foundations to prevent material from washing downstream.

- **Black Lake Bridge Approaches** – This project will stabilize the bridge approaches to the T-6 bridge. Road operations routinely regrades the approaches because of the settlement caused by the poor soil conditions. Since the bridge was constructed in 1992, differential settlement in excess of 16 inches has occurred between the approach embankments and bridge deck. Repair includes removing existing approach slabs that have settled and driving timber piles to stabilize embankments.



- **Steamboat Island Bridge (S-7)**- This project will repair and upgrade the current guardrail to current standards.





## Planned bridge repairs in 2023

Bridge	Repair	Approx. Cost
Multiple Bridges	Approach Repair	\$ 10,000
Multiple Bridges	Small Repairs	\$ 15,000
Multiple Bridges	Brush Removal	\$ 10,000
Multiple Bridges	Bridge Cleaning	\$ 10,000
Multiple Bridges	HMA Crack Seal	\$ 1,500
Multiple Bridges	Guardrail Damage Repair	\$10,000

## Completed construction

- Littlerock Rd Culvert Replacement (L-8)**

A box culvert was installed on Littlerock Rd near Sargent Rd to remove a Fish barrier on an Unnamed Tributary to the Black River. The concrete box culvert is 40 foot long and 15 feet wide.



- Spurgeon Creek Culvert Replacements(L-9)**

Two 42-inch diameter corrugate metal pipes were replaced at Spurgeon Creek on Latigo Rd SE to remove a fish barrier. The new bridge is 57 feet Long, prefabricated steel superstructure and supported by a pile foundation.



- Houston Creek Culvert Replacement (H-4)**

A 36 inch high and 48 inch wide squash corrugate metal pipe under Houston Drive was a fish barrier on Houston Creek. The culvert was replaced with a 12 foot wide concrete box culvert.





# Recommended bridge replacement considerations

## On-network bridges

For purposes of prioritizing individual projects, criteria were established to reflect overall network and regional needs. The criteria considered:

- **Bridge sufficiency rating** – A measure that provides an overview of the condition of the bridge. The sufficiency rating is a score calculated for each bridge using a multitude of ratings the inspector assigns to the bridge, based on the condition of the various components of the bridge.
- **Scour critical** – Are the bridge foundations in water where supporting material could be washed out by a flood event?
- **Funding secure** – Does the county have other funds secured for the project or portion of the project?
- **Route classification** – Is the bridge located on an arterial or collector classified route?
- **Functionally obsolete** – Does the deck geometry, load carrying capacity, clearance or approach roadway alignment reduce the bridge’s ability to adequately meet the traffic demands?
- **Average daily traffic** – Traffic volume carried by bridge.
- **Professional judgement** – Reflective of professional knowledge of the roadway network, traffic conditions, planning or pending development activity and other factors as appropriate

Criteria	Percent emphasis
Bridge sufficiency rating	21
Professional judgement	17
Funding secure	15
Scour critical	13
Average daily traffic	13
Route classification	13
Functionally obsolete	8

Route classification	Score
Arterial	6
Collector	3
None	0
Professional judgement	
High	8
Medium	4
Low	0
Bridge sufficiency rating	
0-30	10
30-50	7
50-75	4
75-100	0

Functionally obsolete	
Yes	4
No	0
Scour critical	
Yes	6
No	0
Average daily traffic	
5,000-20,000	6
2,000-5,000	4
500-2,000	2
0-500	0
Funding secure	
Secure	7
Partially secure	4
Not secure	0

# Recommended bridge replacement considerations

## Off-network bridges

For purposes of prioritizing individual projects, criteria were needed to reflect the off-network bridges and regional needs. The criteria considered:

- **Bridge sufficiency rating** – A measure that provides an overview of the condition of the bridge. The sufficiency rating is a score calculated for each bridge using a multitude of ratings the inspector assigns to the bridge, based on the condition of the various components of the bridge.
- **Scour critical** – Are the bridge foundations in water where supporting material could be washed out by a flood event?
- **Funding secure** – Does the county have other funds secured for the project or portion of the project?
- **Average daily traffic** – The number of users that are carried by bridge.
- **Professional judgment** - Reflective of professional knowledge of the roadway network, traffic conditions, planning or pending development activity and other factors as appropriate.

Criteria	Percent emphasis
Bridge sufficiency rating	27
Professional judgement	22
Funding secure	19
Scour critical	16
Average daily traffic	16

Professional judgement	
High	6
Medium	4
Low	0
Bridge sufficiency rating	
0-30	10
30-50	7
50-75	4
75-100	0
Scour critical	
Yes	6
No	0

Average daily traffic	
5,000-20,000	6
2,000-5,000	4
500-2,000	2
0-500	0

Funding Secure	
Secure (S)	7
Partially Secure (PS)	4
Not Secured (NS)	0

## 2023 program goals

Staff are continually looking for ways to improve the bridge program. Below are some goals for the next year:

- Continue to work towards having all trail bridges included in the inventory.
- Better cost tracking of all Bridge Program activities to build a better work program budget in 2024.
- In 2022 Public Works began to use a pool of certified bridge inspectors to complete routine inspections. This allowed Public Works to reassign the vacant bridge inspection position to provide further support for construction inspection. The pool of certified bridge inspectors will need to continue to coordinate and work together closely to continue to improve the bridge inspection program.
- Include more non-reportable short span structures (i.e. large culverts and box culverts) in the bridge inventory to better prepare for future funding opportunities.

# Bridge replacement priorities

Based on the previously described criteria, the following bridges are prioritized for replacement:

## Yelm Hwy Bridge (O-12)



The bridge has a sufficiency of 37.78 and a length of 183 feet and is a candidate for replacement funding. This bridge is federally classified as an Urban Principal Arterial and is used by more than

11,000 vehicles per day. It is located over the railroad tracks and is just east of the Lacey city limits. Both the east and west approaches of Yelm Hwy are three lane sections making the two lanes, twenty-six-foot total width, bridge a choking point for traffic. A Type, Size and Location report was completed by OTAK Inc. for the project in 2017. The following are some of the highlights from the report:

- Preferred bridge alternative includes 95” Spliced Post Tension which would be a single span across the railroad right-of-way.
- Foundation abutments supported by drilled shafts.
- Roadway section includes a travel in both directions, a center turn lane, bike lanes, sidewalks and street lighting.
- A large amount of gravity block walls would be needed to retain roadway approaches.
- Total estimated project cost is \$16,000,000 (2017).

This report allows Public Works to be better positioned for future funding opportunities.

## Tilley Road Bridge (T-2)



This bridge is located north of 140th Ave over Beaver Creek on Tilley Rd and was constructed in 1950. The bridge has a deteriorating timber pile substructure that requires frequent maintenance.

This portion of Tilley Rd provides resiliency to I-5 when closures are necessary between the Grand Mound (Exit 88) and Maytown (Exit 95).

A Type, Size and Location report, Tilley Road Bridge Replacement Type, Size, & Location Report, was completed by OTAK Inc. for the project in 2021. The preferred combination of alternatives for the structure is concrete voided slab girders for the bridge superstructure, driven or drilled piles for the bridge substructure, and soldier pile retaining walls.

This bridge does not qualify for federal replacement funding because is shorter than 20 feet. Other funding options, including local funding, need to be considered for a replacement project.

## Littlerock Road Bridge (L-5)



This portion of Littlerock Road is federally classified as a Rural Major Collector, is a secondary detour route for I-5, and is used daily by more than 7,000 vehicles.

The southern bridge pier cracked at mid-span due a combination of material washing away from beneath it and the suspected lack of steel reinforcement to support it. A repair was completed in 2014 and included pouring concrete in the area where material had washed away.

Public Works has secured \$1.8 million in federal funding to replace this bridge in 2024. The proposed bridge will have steel pile foundation and precast prestressed concrete girders. The new bridge opening will be 50 feet to better accommodate high flow events and fish passage.

# Bridge index

County reference	WSDOT ID	Bridge name	Feature the bridge is constructed over	Roadway, railroad, or trail connected to the bridge	Year built/rebuilt	Length	Width	Avg. daily traffic	Sufficiency rating
A-1	08708200	ANDERSON RD NORTH	SLOUGH	ANDERSON ROAD	2003	108	40.1	3226	97.23
A-2	08708300	ANDERSON ROAD MIDDLE	DRAIN CHAN	ANDERSON RD	2003	36	40	3226	97.23
A-3	08905800	ALPINE CULVERT	NONAME CREEK	ALPINE DRIVE SW	1960	11	0	1528	100
B-2	08893500	BEAVER CREEK BRIDGE	BEAVER CREEK	BEAVER CREEK ROAD	2017	40	20	430	70.83
B-3	08343200	BLOOM CREEK BRIDGE	BLOOM CREEK	110 TH AVE S.W.	1966	20	24	2634	79.73
B-4	08343100	BLOOM ROAD BRIDGE	BLOOM CREEK	110 TH. AVE. S.W.	1966	20	24	2238	77.9
B-5	08343000	BLOOM BRIDGE	BLACK RIVER	110TH AVE SW	1986	180	28.8	2339	88.78
BR-1	08652400	BORDEAUX RANCH BRIDGE	OVERFLOW	BARBOUILLAT STREET	1999	31	29.5	50	94.53
BT-1	08905700	BEAV TRIB CULVERT	NO NAME CREEK	140TH AVE SW	1986	11	0	255	99.88
C-1	08754400	CASE ROAD EXT BRIDG	ALLEN CREEK	CASE RD EXT	2007	29	24	28	94.74
C-2	08485700	CASE RD (PEARCE BRIDGE)	SCATTER CREEK	CASE ROAD SW	1965	66	24	2751	75.61
C-3	08082600	CASE ROAD BRIDGE	BEAVER CREEK	CASE ROAD	1970	59	28	3040	79.65
C-4	08384600	CASE ROAD BRIDGE	SALMON CREEK	CASE ROAD	1965	22	24.2	4154	66.59
C-5	08891900	CARPENTER ROAD CULVERT	LAKE LOIS	CARPENTER ROAD	2014	24	54	10192	80.01
C-6	08899200	140TH AVE CULVERT	NO NAME CREEK	140TH AVE SW	1960	14	0	121	98.94
C-7	08918600	CASE RD FISH CULVERT	NO NAME CREEK	CASE ROAD	2020	16	0	2719	98.6
CF-1	08796600	TAELYNN B	SWIFT CREEK	CEDAR FLATS ROAD	2008	91	28	887	77.31
CH-2	08918700	CHURCHILL CULVERT	NO NAME CREEK	CHURCHILL RD SE	1960	10	0	282	91.34
CW-1	08827400	MARTIN WAY PED CROSSING	MARTIN WAY	CHEHALIS WEST TR	2010	182	14	24466	TRAIL
CW-2	08870900	PACIFIC AVE PED BRIDGE	PACIFIC AVE.	CHEHALIS WESTERN TR	2014	157	14	24185	TRAIL
CW-3	08879000	14 AVE PED TRESTLE	14TH AVE SE	CHEHALIS WESTERN TR	1900	67	8.7	7256	TRAIL
CW-4	08883300	CHEHALIS W. TRL CW-4 TRE	CHAMBERS LAKE DRAINAGE	CHEHALIS W. TRL.	1900	17	13.5	0	TRAIL
CW-5	08883400	CHEHALIS W. TRL CW-5 TRE	CHAMBERS LAKE DRAINAGE	CHEHALIS W. TRL.	1900	49	13	0	TRAIL
CW-6	08929000	CHEHALIS W. TRL CW-6	SPURGEON CREEK	CHEHALIS W. TRL.	2021	57		0	TRAIL

# Bridge index

County reference	WSDOT ID	Bridge name	Feature the bridge is constructed over	Roadway, railroad, or trail connected to the bridge	Year built/rebuilt	Length	Width	Avg. daily traffic	Sufficiency rating
D-2	08104600	GOEBEL BRIDGE	SKOOKUMCHUCK RIVER	GOEBEL RD SE	1982	144	16	27	80.21
D-3	08918900	DRAHAM CULVERT	WOODLAND CREEK	DRAHAM ST NE	1960	10	0	2749	98.58
E-1	08245700	RICH BRIDGE	DESCHUTES RIVER	RICH ROAD	1981	295	40	3843	96.58
E-2	08610200	DEMPSEY CREEK BRIDGE	DEMPSEY CREEK	DELPHI ROAD	1995	24	35.1	4432	93.53
E-3	08350500	ENDICOTT ROAD BRIDGE	CREEK	ENDICOTT ROAD	1958/1992	38	25.2	458	89.81
E-4	08342800	VOLMER BRIDGE	BLACK RIVER	123RD. S.W.	1986	180	28.8	229	97.91
E-5	0009749B	MUD BAY RD OXING	MUD BAY ROAD	EVERGREEN PARKWAY	1975	211	40	6090	92
F-1	08652700	FISH POND CREEK	FISH POND CREEK	FAIRVIEW ROAD	2000	23	0	1401	81.93
F-2	08902100	FLUMERFELT BRIDGE	OCONNER CREEK	FLUMERFELT ROAD	2018	36	24	140	94.43
FP-1	08901000	26TH AVE CULV	WOODLAND CK TRIBUTARY	26TH AVE NE	2018	12	0	738	99.9
G-1	08430600	GIBSON ROAD BRIDGE	SCATTER CREEK	GIBSON ROAD SW	1967	62	24	535	80.81
G-2	08928800	GATE ROAD BRIDGE	BAKER CREEK	GATE ROAD	2021	28	28	508	98.3
G-3	08928900	GATE ROAD CULVERT	MIMA CREEK	GATE ROAD	2021	9	28	508	97.29
GB-12	08899300	GATE BELMORE BRIDGE-12	NO NAME CREEK	TRAIL	1900	43	9.3	0	Trail
GB-13	08899400	GATE BELMORE BRIDGE-13	NONAME CREEK	TRAIL	1900	45	9.3	0	Trail
GM-1	08880000	PRAIRIE CREEK CULVERT	PRAIRIE CREEK	GRAND MOUND WAY SW	1950	9	0	344	98.95
H-1	08443200	STEARNS BRIDGE	WOODLAND CREEK	HAWKS PRAIRIE ROAD	1955	61	24.1	5737	57.93
H-3	08295400	HOLMES ISLAND BRIDGE	LONG LAKE	HOLMES ISD RD	1962	53	18.8	177	50.79
H-4	08932100	HOUSTON DR CULVERT	HOUSTON CREEK	HUSTON DR	2022	12	14	98	77.87
HP-1	08902000	HUNTER BRIDGE	UNAMED CREEK	HUNTER POINT RD NW	2018	81	24	387	80.91
HV-1	08904900	HOLIDAY VALLEY CULVERT	SCHNEIDER CREEK	HOLIDAY VALLEY DR	1960	12	0	630	89.12
I-3	08827500	INDEPENDENCE RD BRIDGE	STREAM	INDEPENDENCE RD	2010	106	30	888	94.85
I-5	07972100	INDEPENDENCE BRIDGE	CHEHALIS RIVER	INDEPENDENCE ROAD	1976	436	28	1409	81.83
I-6	08041800	INDEPENDENCE RD BRIDGE	OVERFLOW CHANNEL	MARBEL ST. SW	1940/1964	22	24.7	1360	81.02
J-1	08041900	JAMES RD. BRDG (CULVERT)	OVERFLOW CHANNEL	JAMES ROAD	1985	26	0	1265	99.82



# Bridge index

County reference	WSDOT ID	Bridge name	Feature the bridge is constructed over	Roadway, railroad, or trail connected to the bridge	Year built/rebuilt	Length	Width	Avg. daily traffic	Sufficiency rating
J-2	08093500	JAMES BRIDGE	SCATTER CREEK	JAMES ROAD SW	1982	84	26	1265	84.4
J-3	08171400	JAMES ROAD BRIDGE	PRAIRIE CREEK	OLD HWY NO. 9	1936	43	24.1	3433	65.24
J-4	08137300	JOHNSON CREEK ROAD BRDG	JOHNSON CREEK	JOHNSON CREEK ROAD	1985	40	26.2	324	86.9
J-5	08047000	JOHNSON CREEK RD BRIDGE	JOHNSON CREEK	JOHNSON CREEK ROAD	1977	52	26.2	324	91.94
J-6	08917100	JONES BRIDGE	SALMON CREEK	JONES ROAD	2020	50	24	659	85.84
JP-1	08899100	63RD UNDERCROSS	FOOT PATH	63RD AVE NE	1960	10	0	1078	99.85
L-1	08754500	128TH AVE. BRIDGE	UNNAMED STREAM	128TH AV SW	2007	29	35.3	3047	98.57
L-2	08419200	LEITNER BRIDGE	SCATTER CREEK	LEITNER ST.	1978	70	26.2	282	92.42
L-3	07992500	BLACK RIVER BRIDGE	BLACK RIVER	128TH AVE SW	1968	100	28	3047	75.89
L-4	08867800	SALMON CREEK BRIDGE	SALMON CREEK	LITTLE ROCK ROAD	2014	77	41.5	6458	94.1
L-5	08341900	LITTLE ROCK ROAD BRIDGE	BLOOM DITCH	LITTLE ROCK ROAD	1924/1966	20	24.7	7927	76.96
L-6	0004057A	W. ULRY	CREEK	LITTLE ROCK RD.	1951	60	26	3164	72.46
L-7	0004057B	W. ANDERSON	BEAVER CREEK	LITTLE ROCK RD	1951	137	26	3577	78.62
L-8	08932200	LITTLE ROCK ROAD CULVERT	TRIB TO BLACK RIVER	LITTLE ROCK ROAD	2022	15	26	3200	75.78
L-9	08932300	LATIGO BRIDGE	SPURGEON CREEK	LATIGO RD	2022	57	24	40	94.63
LC-1	08741900	LACKAMAS CREEK	LACKAMAS CREEK	BALD HILLS ROAD	2006	29	35.2	3480	95.04
M-2	08905500	ALLEN CRK BOX CULVERT	ALLEN CREEK	MAYTOWN ROAD SW	1960	8	0	3331	98.44
M-3	08708000	MULL ROAD BRIDGE	SCATTER CREEK	MULL ROAD	2003	18	20	69	96.99
M-4	08618900	MEADOWS BRIDGE	OVERFLOW CHANNEL	MEADOWS ROAD	1995	208	16	12	83.37
M-5	08652500	MILITARY ROAD	SCATTER CR	OLD MILITARY ROAD	1999	28	23.8	290	88.95
M-6	08142800	MILITARY BRIDGE	DESCUTES RIVER	MILITARY ROAD	1984	150	26	911	85.95
M-7	08352000	GATE BRIDGE	BLACK RIVER	MOON ROAD	1976	203	28	1003	87.87
M-8	08638900	MOON BRIDGE	OVERFLOW CHANNEL	MOON ROAD	1998	205	28	1003	90.18
M-9	08684900	MOON RD	OVERFLOW CHANNEL	188 SW	2002	51	27.3	1114	86.88
M-10	08685000	MOON RD	OVERFLOW	188TH AVE SW	2002	61	27.3	1114	86.88
M-12	08652600	MULLEN ROAD BRIDGE	CREEK	MULLEN ROAD	1999	92	25.6	7703	64.53

# Bridge index

County reference	WSDOT ID	Bridge name	Feature the bridge is constructed over	Roadway, railroad, or trail connected to the bridge	Year built/rebuilt	Length	Width	Avg. daily traffic	Sufficiency rating
M-14	08652200	MARTIN WAY BRIDGE (WEST)	MC ALLISTER CREEK	MARTIN WAY EAST	2000	118	71	17895	92.21
M-15	08652300	MARTIN WAY BRIDGE (EAST)	SLOUGH	MARTIN WAY E	2000	118	71	17895	92.21
M-17	08279300	MAYS ROAD BRIDGE (215TH)	ZEKNOR CREEK	215TH AVE SW	1984/1990	19	14.8	74	66.48
M-18	08223700	MIMA CREEK BRIDGE	MIMA CREEK	GATE ROAD	1972	32	28	508	98.3
MC-1	08618800	MCELFRESH ROAD BRIDGE	ZEKNOR CREEK	MCELFRESH ROAD SW	1995	56	24	79	88.23
MC-2	08633700	MCCORMICK ROAD BRIDGE	OVERFLOW CHANNEL	175 TH S.W.	1997	42	27.6	77	99.98
MC-5	08597400	MCLANE BRIDGE	MCLANE CREEK	DELPHI ROAD SW	1993	110	34	2686	98.24
MC-6	08597300	MCLANE DELPHI RD BRIDGE	MCLANE CREEK	MCLANE DELPHI ROAD	1992	62	34	2686	96.71
MC-7	08257700	MCLANE DELPHI RD BRIDGE	MCLANE CREEK	DELPHI ROAD SW	1924	24	24	2150	57.83
MC-8	08342400	MCLANE DELPHI RD BRIDGE	MCLANE CREEK	DELPHI ROAD SW	1924	24	24	2612	53.48
N-1	08061600	NISQUALLY CUTOFF BRIDGE	OVERFLOW CHANNEL	NISQUALLY CUTOFF	1936	92	44	5226	86.55
N-2	08833700	NOSCHKA BRIDGE	NOSKI CREEK	NOSCHKA ROAD	2011	42	18.5	51	92.51
O-1	08181900	O'CONNOR BRIDGE	SKOOKUMCHUCK RIVER	CONNOR ROAD	1989	245	26	152	87.47
O-2	08157100	PERRY CREEK BRIDGE	PERRY CREEK	OLD HWY 410	1937	98	24	587	87.65
O-3	08154400	OLD 101 BRIDGE	PERRY CREEK	MADRONA BEACH ROAD	1958	102	24.1	1325	81.61
O-4	08231400	MUD BAY BRIDGE	MUD BAY	MUD BAY ROAD	1978	208	44	12249	97.13
O-6	08827700	OLD HWY 99	PRAIRIE CREEK	OLD HWY 99	2010	63	66.2	11240	96.84
O-7	08439800	OLD HWY 99	SCATTER CREEK	OLD HWY 99 SW	1923	66	24.1	7789	64.36
O-9	08754300	OLD HIGHWAY 99	SCATTER CREEK	OLD HWY 99	2007	115	40	5656	92.02
O-11	08639000	OLD PACIFIC HWY BRIDGE	NISQUALLY RIVER	OLD PACIFIC HWY	1998	325	40	13122	90.91
O-12	08006700	OLY-YELM RD.RR.OC	RAILROAD	YELM HWY S.E.	1951	183	26	12500	37.78
OB-1	08827600	OYSTER BAY CULVERT	SCHNEIDER CREEK	OYSTER BAY ROAD	2009	20	0	715	93.8
P-1	08904500	PRATHER CULVERT	NO NAME CREEK	PRATHER ROAD SW	1960	10	0	513	99.42
P-2	08338900	PRATHER BRIDGE	CHEHALIS RIVER	PRATHER ROAD SW	1988	366	34	620	97.3
P-3	08416200	LAKE ST.CLAIR BRIDGE	ST.CLAIR LAKE	PENINSULA DRIVE	1963	54	20	329	66.92
P-4	08917200	PEISSNER RD BRIDGE	ELBOW LAKE CREEK	PEISSNER RD	2020	60	24	240	87.11

# Bridge index

County reference	WSDOT ID	Bridge name	Feature the bridge is constructed over	Roadway, railroad, or trail connected to the bridge	Year built/rebuilt	Length	Width	Avg. daily traffic	Sufficiency rating
PG-1	08708100	PLEASANT GLADE BRIDGE	WOODLAND CREEK	PLEASANT GLADE RD	2003	51	22.5	420	76.31
R-1	08222100	RESERVATION RD RR BRIDGE	RAIL ROAD	RESERVATION ROAD	1993	331	36	8901	93.3
R-2	08854600	RICH ROAD BRIDGE	SPURGEON CREEK	RICH ROAD	2012	67	46.3	3843	96.58
R-3	08015400	REEDER ROAD BRIDGE	BEAVER CREEK	REEDER ROAD N	1985	54	11.1	10	17.02
R-4	08904600	RAINIER CULVERT	DITCH	118TH AVE SE	1960	10	0	498	99.74
R-5	08918800	RICH ROAD CULVERT	NO NAME CREEK	RICH RD SE	1960	10	0	7974	94.02
S-1	08464100	SARGENT ROAD BRIDGE	SCATTER CREEK	SARGENT ROAD	1984	136	28	2812	81.18
S-2	08486500	SCHOOL LAND BRG. (CULV)	OVERFLOW CHANNEL	SCH. LND. RD. CULV	1981	53	0	345	96.95
S-3	08486300	SCHOOL LAND CULVERT	OVERFLOW CHANNEL	SCHOOL LAND ROAD	1981	25	0	381	99.91
S-4	08217600	WELLERS BRIDGE	WADDELL CREEK	SHERMAN VALLEY RD	1982	70	26	352	83.99
S-5	08625900	RAY BRIDGE	SKOOKUMCHUCK RIVER	SKOOKUMCHUCK ROAD	1996	156	28	246	98.62
S-6	08093600	ISMAI BRIDGE	SKOOKUMCHUCK RIVER	SKOOKUMCHUCK ROAD	1984	150	28	981	89.86
S-7	08454700	STEAMBOAT ISLAND BRIDGE	TOTTEN INLET	STEAMBOAT IS. RD.	1982	706	15	146	68.05
S-8	08239000	MCALLISTER BRIDGE	MCALLISTER CREEK	STEILACOOM ROAD	1964	128	24.2	1384	69.23
S-9	08176200	SUMMIT LAKE BRIDGE	KENNEDY CREEK	SUMMIT LAKE ROAD	1985	47	26	671	87.21
S-10	08050600	SODERLUND RD CULVERTS	OVERFLOW CHANNEL	188 SW	1981	30	0	291	98.93
S-11	08904800	SUMMIT LK CULVERT	NONAME CREEK	SUMMIT LK SHORE RD	1960	13	0	1195	99.27
S-13	08633600	SKOOKUMCHUCK CULVERTS	SKOOKUMCHUCK OVERFLOW	SKOOKUMCHUCK ROAD	1996	33	0	981	98.52
S-14	08664100	STEILACOOM ROAD BRIDGE	HARTMAN CREEK	STEILACOOM ROAD	2001	29	30	1001	94.85
S-15	0014577B	SCHNEIDER CREEK CULVERT	SCHNEIDER CR	OLD HWY 101	1995	23	0	3915	99.63
SC-1	08684800	SILVER CREEK	SILVER CREEK	SILVER CREEK RD	2002	22	26.2	109	90.95
T-1	07973300	TIAPO RD (183rd)	OVERFLOW CHANNEL	183RD SW	1924	26	21.4	301	82.91
T-2	08114200	TILLEY RD BRIDGE	BEAVER CREEK	TILLEY ROAD	1950	21	24.2	3396	41.42
T-3	08467800	TOWNSHIP RD BRIDGE	SCATTER CREEK	183RD SW	1949	68	24.1	2813	79.49
T-4	08128700	THOMPSON CK BRIDGE	THOMPSON CREEK	THOMPSON CREEK RD.	1987	30	26	89	94.17

# Bridge index

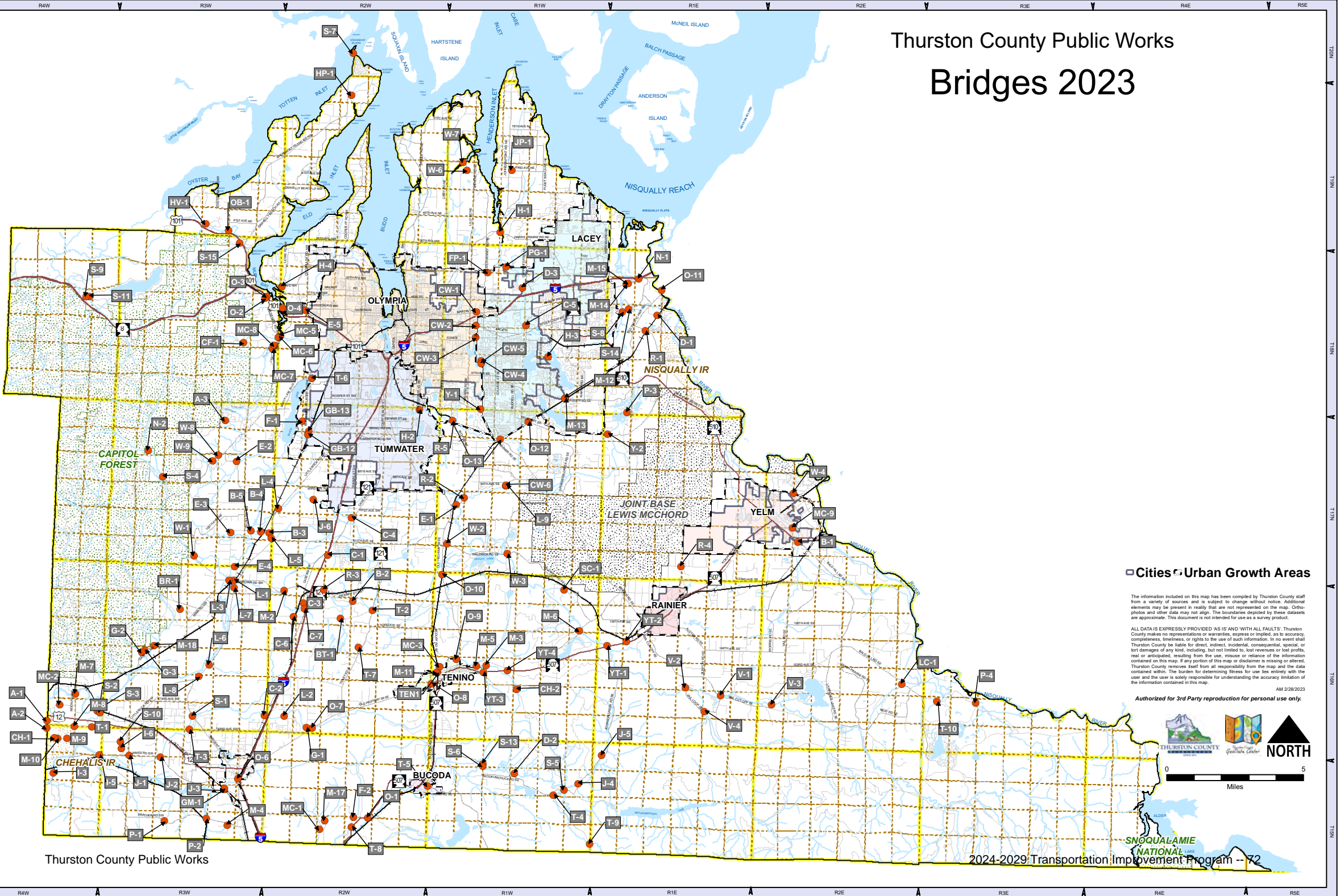
County reference	WSDOT ID	Bridge name	Feature the bridge is constructed over	Roadway, railroad, or trail connected to the bridge	Year built/rebuilt	Length	Width	Avg. daily traffic	Sufficiency rating
T-5	07963300	TONO BRIDGE	SKOOKUMCHUCK RIVER	TONO ROAD	1972	161	28	333	98.39
T-6	08597200	BLACK LAKE BRIDGE	BLACK LAKE DRAINAGE DITC	BLK-BELMORE RD.	1992	60	40	5172	91.94
T-7	08885100	TILLEY CURVE CULVERT	UNNAMED WETLAND	TILLEY ROAD	2016	13	0	3396	96.97
T-8	08902200	TROY BRIDGE	OCONNER CREEK	TROY AVE SE	2018	56	24	20	94.81
T-9	08904700	THOMPSON CK CULVERT	THOMPSON CREEK	THOMPSON CK RD SE	1960	11	0	118	93.9
T-10	08908900	TOBOTON CULVERT	TOBOTON CREEK	PEISSNER RD SE	2019	17	0	235	92.81
V-1	08354700	BENSON BRIDGE	DESCHUTES RIVER	VAIL CUTOFF RD	1956	122	24.1	1079	79.49
V-2	08295500	RUTH BRIDGE	DESCHUTES RIVER	VAIL LOOP ROAD	1982	149	28	851	91.15
V-3	08626000	BALLETTI BRIDGE	DESCHUTES RIVER	VAIL ROAD	1997	156	34.8	2194	96.31
V-4	08892700	VAIL LOOP BOX CULVERT	NONAME CREEK	VAIL LOOP RD SE	1950	11	0	521	99.76
W-1	08461100	WADDELL CRK BRIDGE	WADDELL CREEK	WADDELL CREEK ROAD	1969	130	28	1164	72.73
W-2	08610300	WALDRICK RD RR OVERPASS	RAILROAD	WALDRICK ROAD	1995	150	34	2391	97.75
W-3	08451100	COLLINS BRIDGE	DESCHUTES RIVER	WALDRICK ROAD	1986	150	34	1957	97.35
W-4	08215700	WILKENSEN	CENTRALIA CANAL	WILKENSEN ROAD	1986	60	34	5357	76
W-6	08252900	WOODARD BAY RD BRIDGE	WALKING TRAIL	WOODARD BAY	1958	76	24.2	1137	82.6
W-7	08251800	WOODARD BAY BRIDGE	WOODARD BAY	WOODARD BAY ROAD	1958/1977	60	24.1	1137	71.13
W-8	08193500	STONEY CREEK BRIDGE	STONEY CREEK	WADDELL CREEK RD.	1976	23	28	1531	88.22
W-9	08901900	PANTS CREEK CULVERT	PANTS CREEK	WADDELL CREEK RD	2018	18	0	1478	98.75
Y-1	08639100	YELM HWY PED OVERPASS	YELM HIGHWAY	PARKS PED. TRAIL	1998	126	12	24000	Trail
Y-2	08905600	SLUICE BOX CULVERT	EATON CREEK	YELM HWY	1950	8	0	7978	95.89
YT-1	08872200	DESCHUTES RIVER TRESTLE	DESCHUTES RIVER	YELM-TENINO TRAIL	1900	268	9	0	Trail
YT-2	08891600	RAILROAD GRADE BRIDGE	OBSOLETE RR	YELM TENINO TRAIL	1900	123	7.7	0	Trail
YT-3	08893000	YELM-TENINO TRAIL	CHURCH HILL CREEK	YELM-TENINO TRAIL	2004	30	9.6	0	Trail
YT-4	08899000	YELM TENINO TRAIL-RR GRADE BRIDGE	NO-NAME CREEK	YELM-TENINO TRAIL	1900	17	9.6	0	Trail

Bridge index

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Railroad Bridges									
D-1	08216400	DURGIN ROAD TUNNEL	DURGIN ROAD	RAILROAD	1912	229	19.1	557	RR
M-13	08477000	MULLEN RD RR OVERPASS	MULLEN ROAD	N P RAILROAD	1950/2003	250	27.6	5211	RR
O-10	08053600	OLD 99 RAILROAD UNDERCRO	OLD 99	RAILROAD	1922	28	28	6729	RR
O-13	08022300	OLY-RAINIER RR OVERPASS	RAINIER RD.	BNRR MAIN LINE	1920/2015	90	13	8230	RR
TENINO 1	08532000	BN INC U'XING	SUSSEX AVE W	BN INC RR MAINLINE	1985	125	24	22	RR
City of Yelm									
B-1	08389700	BALD HILL ROAD BRIDGE	YELM CREEK	BALD HILL ROAD	1960/1983	20	33.7	6500	81.84
MC-9	08414700	MCKENNA BRIDGE	YELM CREEK	103RD AVE. SW SE	1930	20	26.7	1800	56.47
City of Tenino									
MC-3	08243200	MCDUFF ROAD BRIDGE	SCATTER CREEK	143RD AVE S W	1987	62	34	1256	96.88
O-8	08413300	OLD HWY 99	SCATTER CREEK	OLD HWY 99 SW	1923	66	24	5042	63.06
M-11	08619000	MORNINGSIDE BRIDGE	SCATTER CREEK	MORNINGSIDE DRIVE	1995	35	15.5	26	75.69
Tribal									
CH-1	08728000	Casino Overcrossing	188TH AVE	PED OVERCROSSING	2005	93	12	1114	Casino



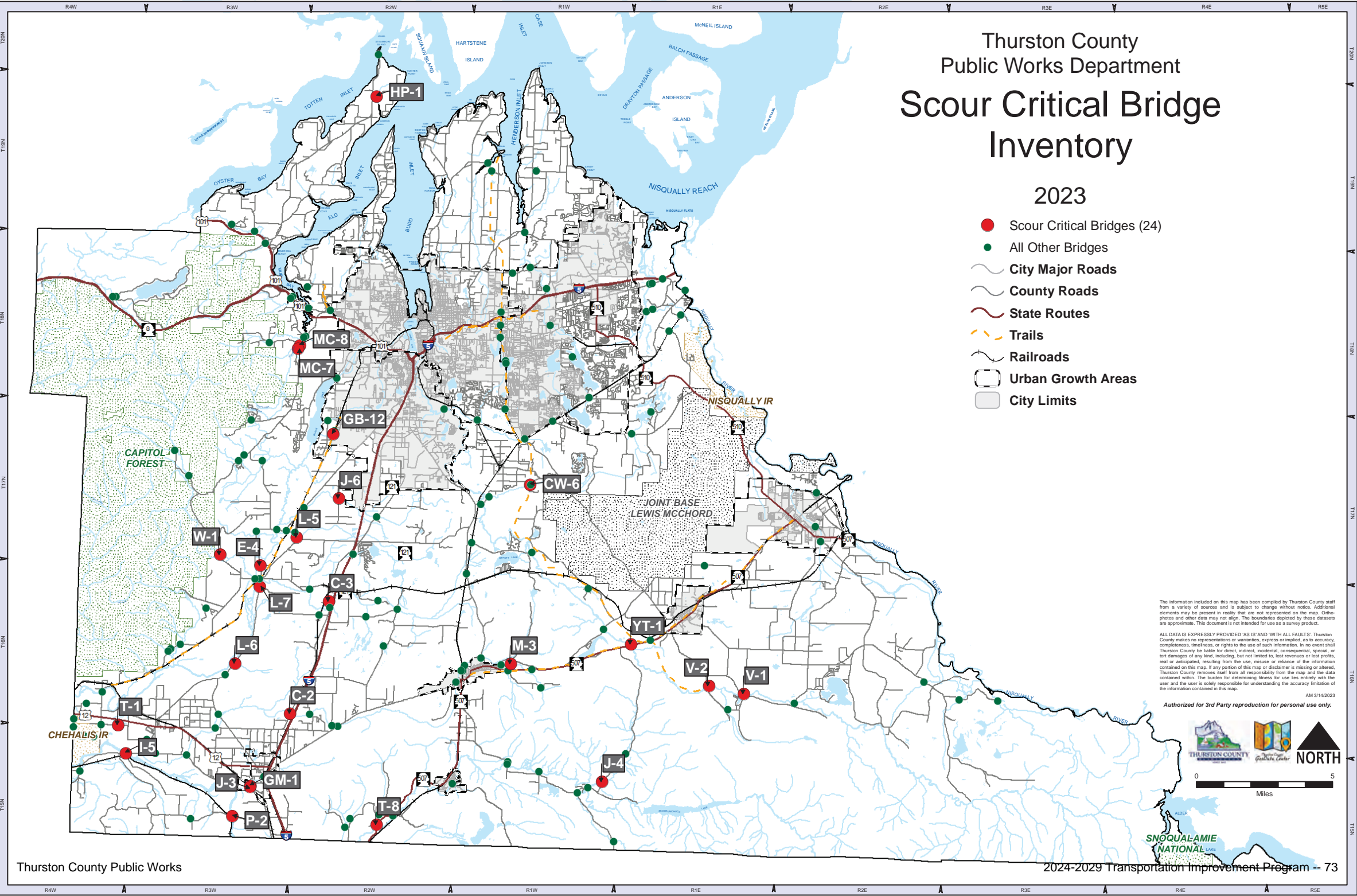
# Thurston County Public Works Bridges 2023



Thurston County  
Public Works Department  
**Scour Critical Bridge Inventory**

2023

- Scour Critical Bridges (24)
- All Other Bridges
- City Major Roads
- County Roads
- State Routes
- - - Trails
- Railroads
- Urban Growth Areas
- City Limits



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AM 3/14/2023

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