



THURSTON COUNTY

WASHINGTON

SINCE 1852

PUBLIC WORKS



TRANSPORTATION IMPROVEMENT PROGRAM

2022-2027

RESOLUTION NO. 16102

A RESOLUTION relating to the adoption of Thurston County's Six-Year Transportation Improvement Program for the calendar years 2022-2027, and the adoption of the 2022 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 2022-2027 Transportation Improvement Program for review and approval; and

WHEREAS, priority arrays and the 2021 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 2022-2027 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 2022-2027 was held on September 28, 2021; and

WHEREAS, the Board of County Commissioners, after considering the testimony presented at the public hearing, finds that the 2022-2027 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 2022; and

WHEREAS, the Board of County Commissioners has considered the recommended 2022 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 2022-2027.

Section 2. The 2022 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 2022-2027 Six-Year Transportation Improvement Program, and the 2022 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 2022-2027 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 17, 2021

ATTEST:

[Signature]
Clerk of the Board

APPROVED AS TO FORM:

JON TUNHEIM
PROSECUTING ATTORNEY

By: Karen Homan
Deputy Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS
Thurston County, Washington

[Signature]
Chair

[Signature] 16-22
Vice-Chair

[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: Provide transportation systems that enhance the health, safety, and welfare of Thurston County citizens.

GOAL 2: Provide transportation systems that support and complement the land use element of the Thurston County Comprehensive Plan, and are consistent with and work to meet the goals of the Regional Transportation Plan.

GOAL 3: Provide mobility for all citizens regardless of age, handicap, or income.

GOAL 4: Efficiently provide publicly accepted levels of service.

GOAL 5: Allow the state-wide and interstate movement of goods, services, and passengers.

GOAL 6: Maintain compatible relationships between airfields, landing strips and surrounding land uses.

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 2022 forecasted expenditures in Chapter 3, page 21.

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 2021-2026 Transportation Improvement Program (TIP) was adopted December

2020. Public Works will present the 2022-2027 TIP to the Board of County Commissioners in late 2021 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, page 39.

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 Traffic 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 2021 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 on page 33.

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 2020
\$1.00 per \$1,000 of assessed property value, totaling **\$19 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 2021
All counties within the state receive a share of the gas tax based on population, road miles, and other factors. In 2021, the Washington State County Road Administration Board estimates Thurston County will receive **\$4.8 Million** in motor vehicle fuel taxes.

Traffic 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 traffic impact fees for land development actions. The ordinance was adopted December 2012.

Amount collected
The amount varies from year-to-year. However, in 2020 1.4 Million was collected.

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.

Bridge Replacement 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

Funding Sources Overview

- Property taxes
- Motor vehicle fuel tax
- Traffic impact fees
- Federal & state funding programs
- County transportation funds

corridor, or rehabilitation/replacement of structural members to increase bridge integrity and lifespan.

Share and local match

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. 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 up to 80% 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 funds

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

Fund 1190 (Road 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 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

Traffic 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.

2020 Revenue
Total \$1,377,574

2020 Expenditures	
\$600,000	Mullen Rd. Upgrade Phase I
\$250,000	Reimbursement of previously built projects
\$ 50,000	Yelm Hwy & Meridian Rd Intersection
\$ 49,123	US 12 at W UGA Boundary to Old Hwy 99
\$ 32,814	Johnson Point Rd & Hawks Prairie Rd Intersection
\$ 3,867	Old Hwy 99/Tilley Rd Intersection
\$ 1,421	Indirect Costs
\$ 895	Steilacoom Rd Improvements Phase I

Total 2020 Expenditures:
\$983,120

Revenues and expenditures overview

- Traffic Impact Fees
2020
- Road Fund 1190 Forecasts
2022
2023
2024
2025-2027
- Capital Construction Fund 3010
2022 (revenues only)

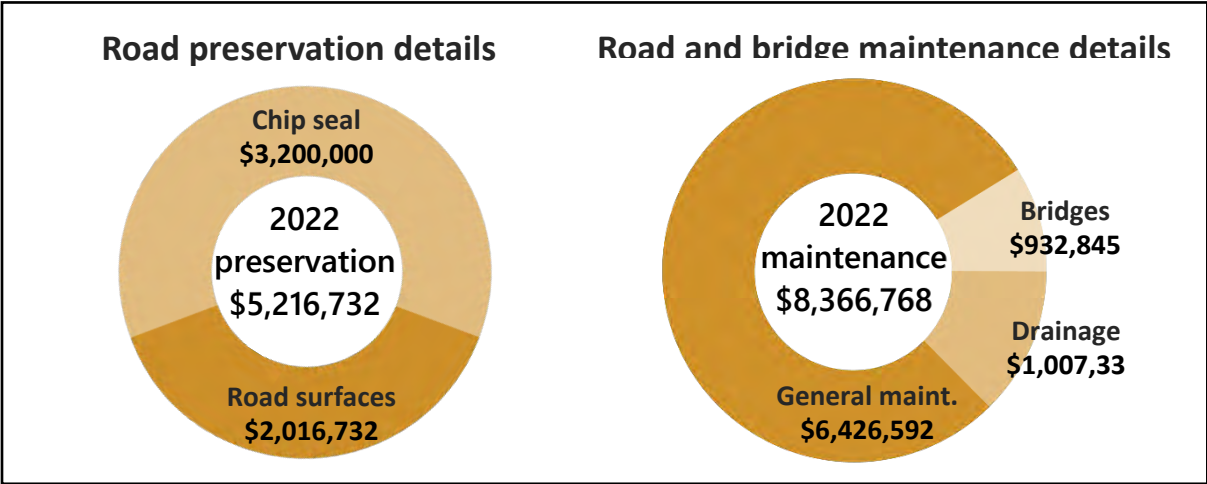
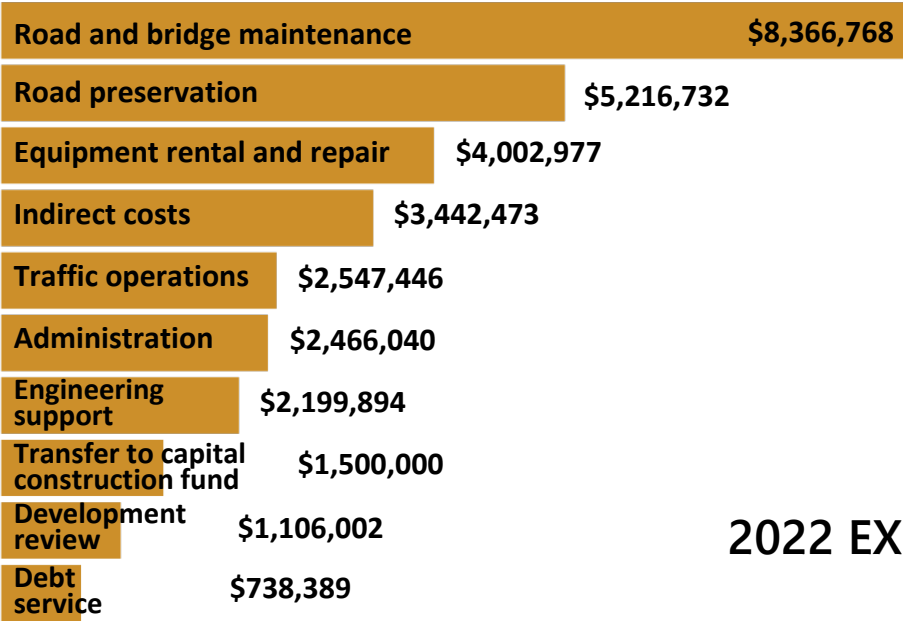
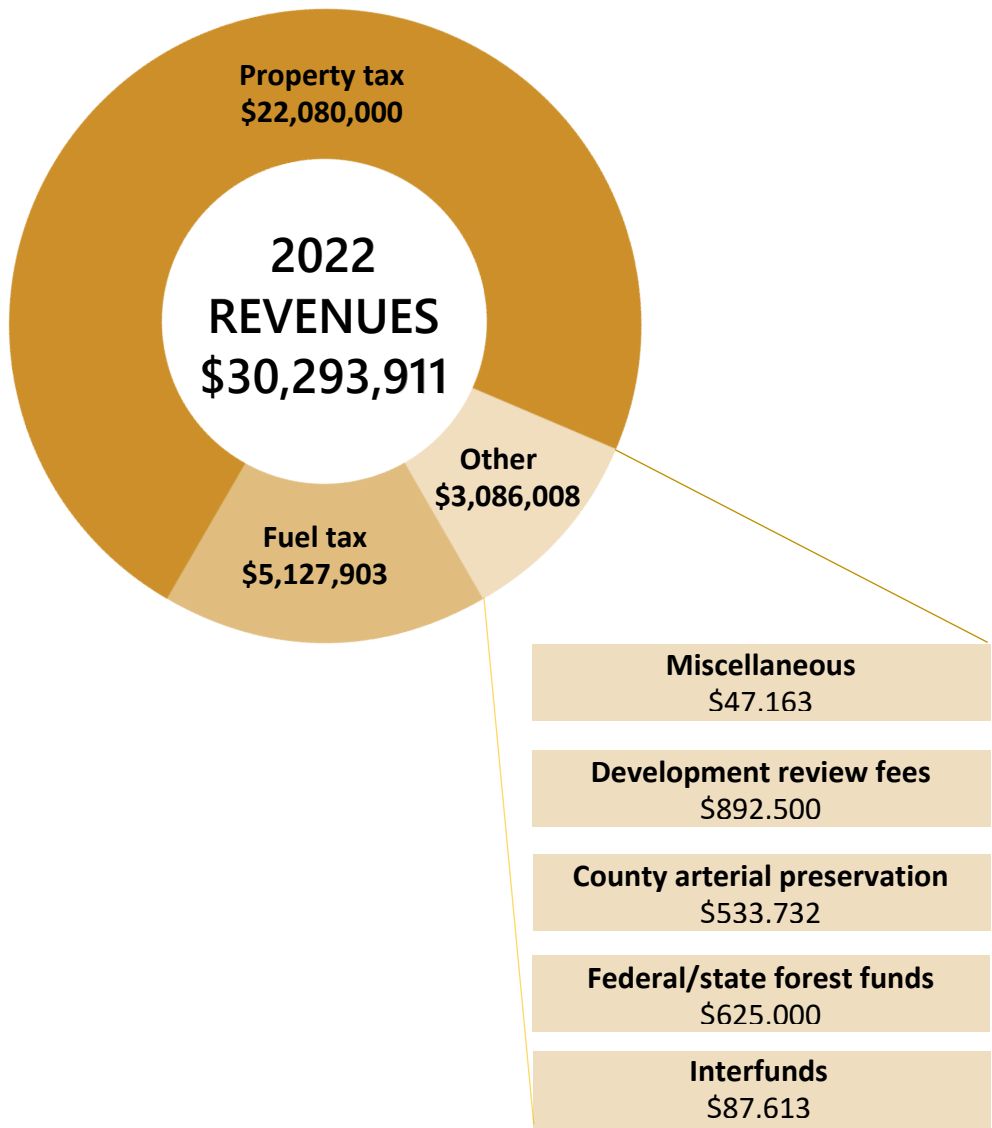
\$7,458,702 Beginning balance
\$ 89,184 Investment earnings

Net Available Traffic Impact Fees:
\$7,942,340

Transportation-related revenues and expenditures

Road Fund 1190 – 2022 forecast

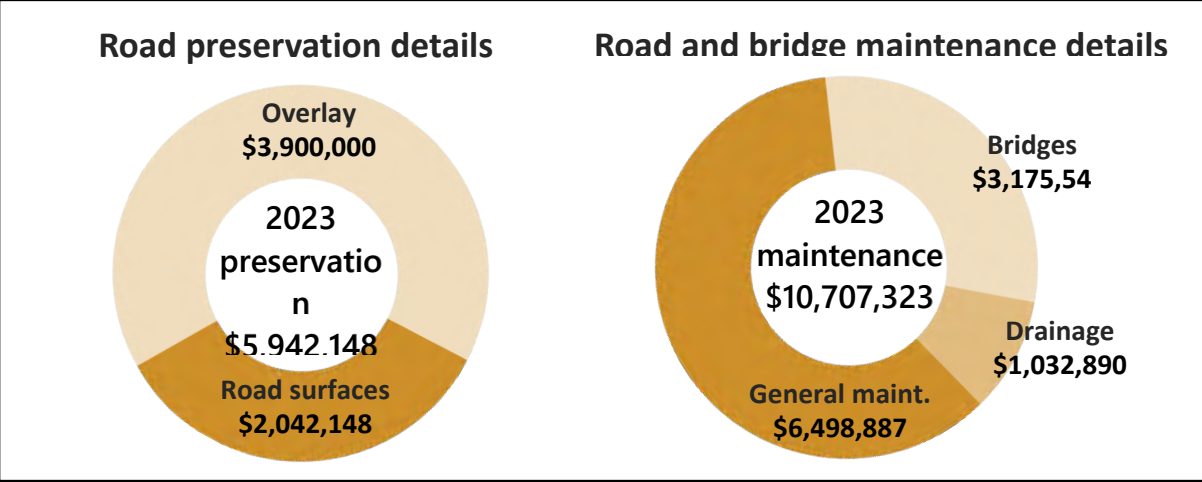
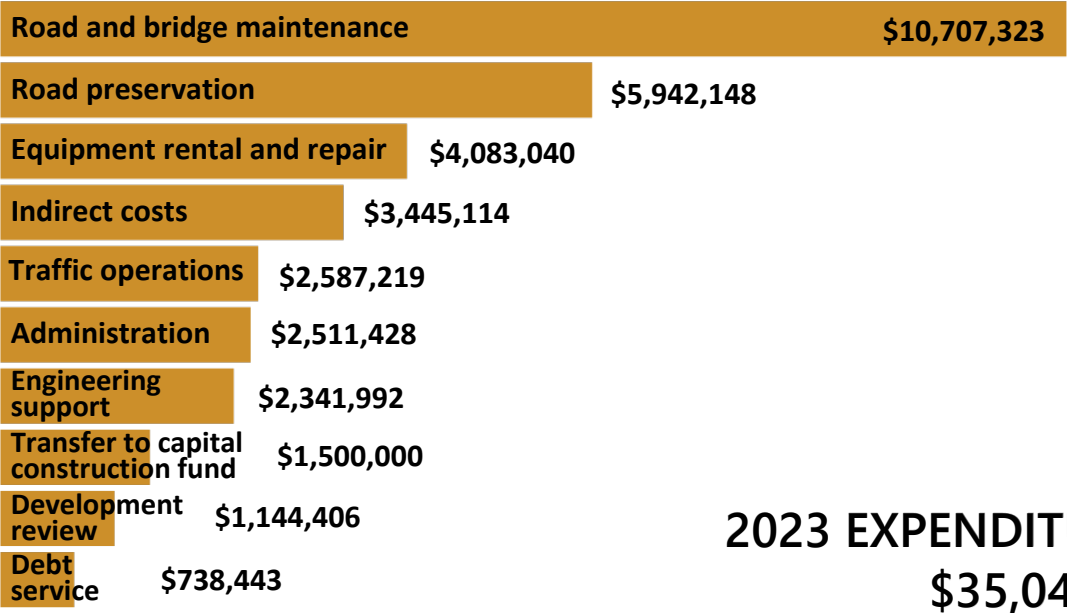
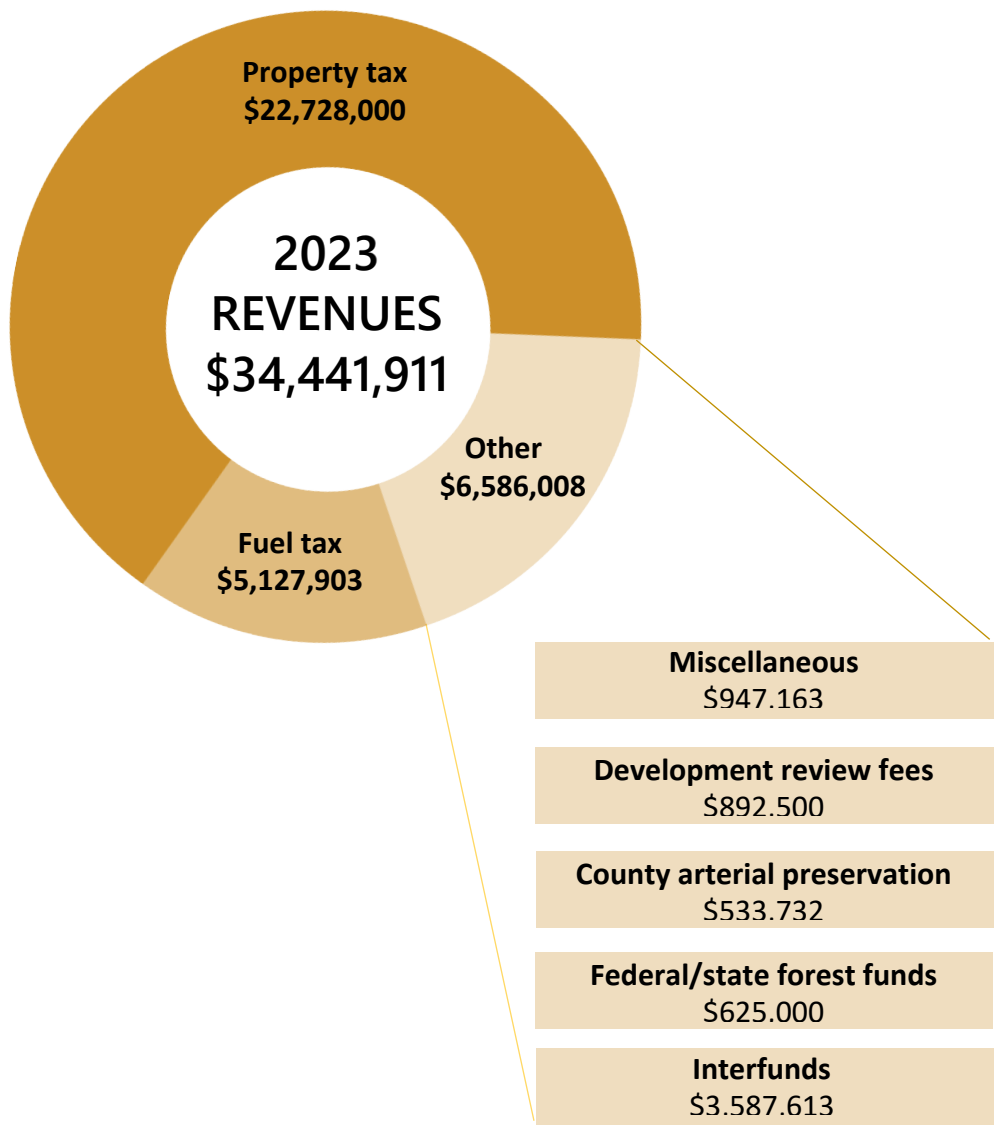
Beginning fund balance: \$14,348,995



Transportation-related revenues and expenditures

Road Fund 1190 – 2023 forecast

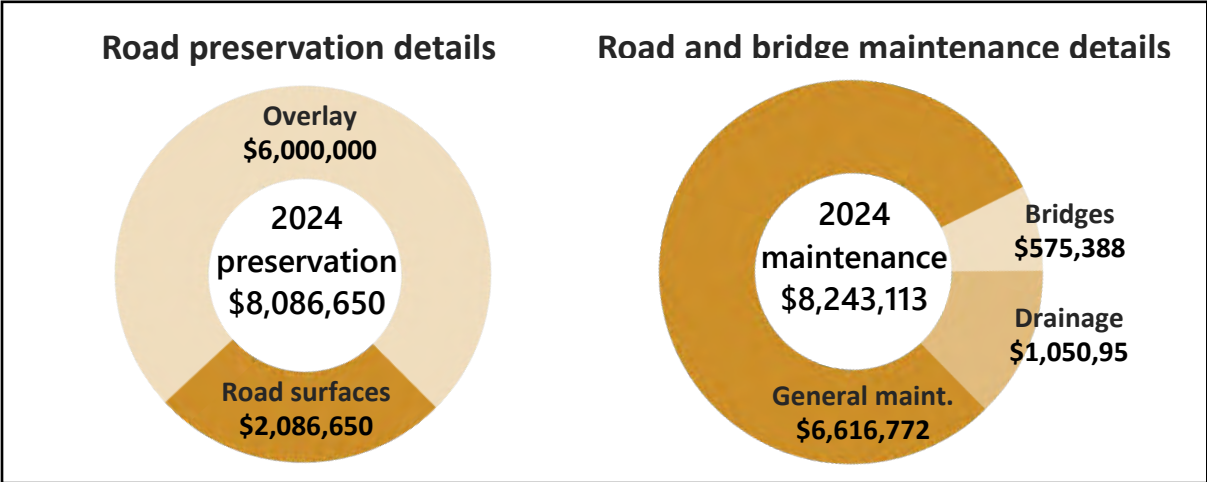
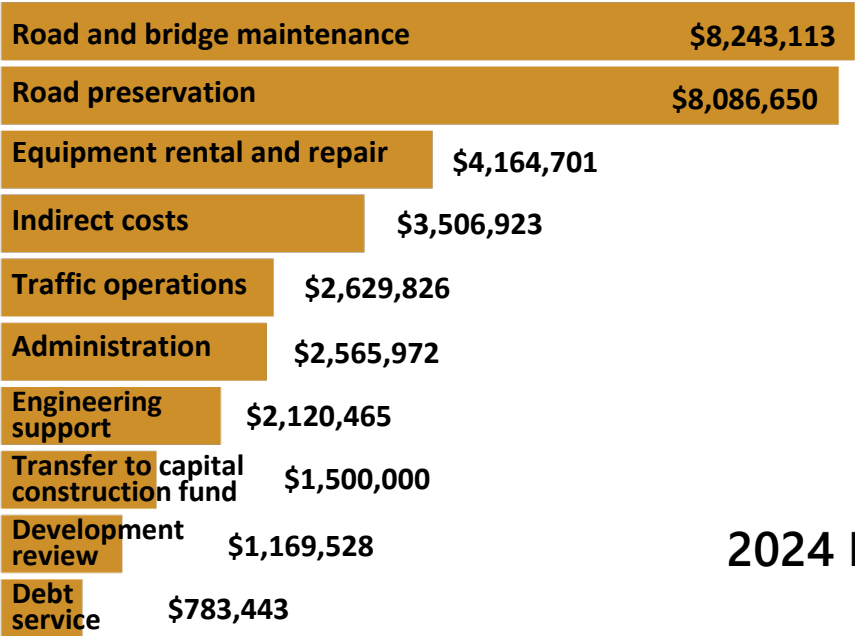
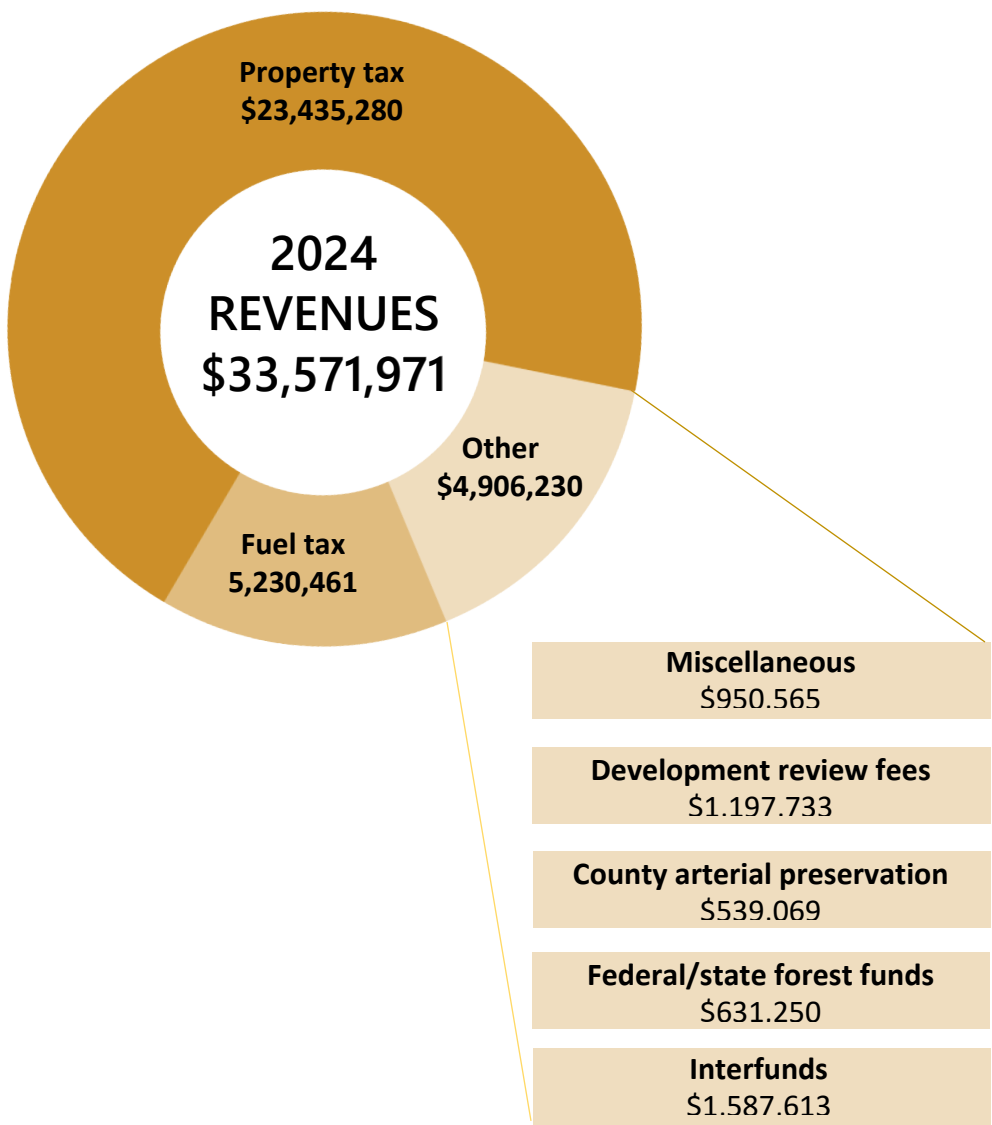
Beginning fund balance: **\$13,011,185**



Transportation-related revenues and expenditures

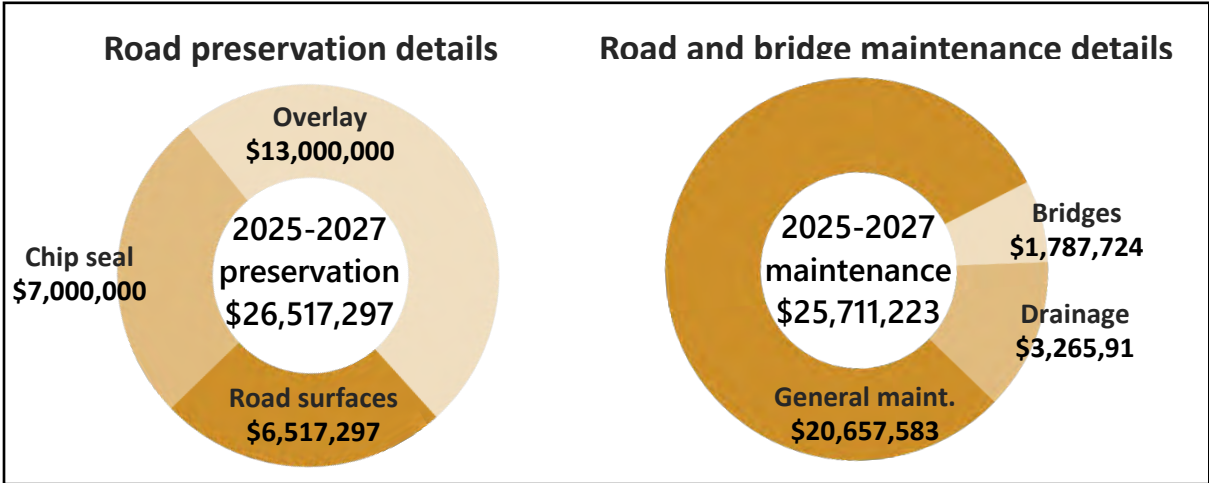
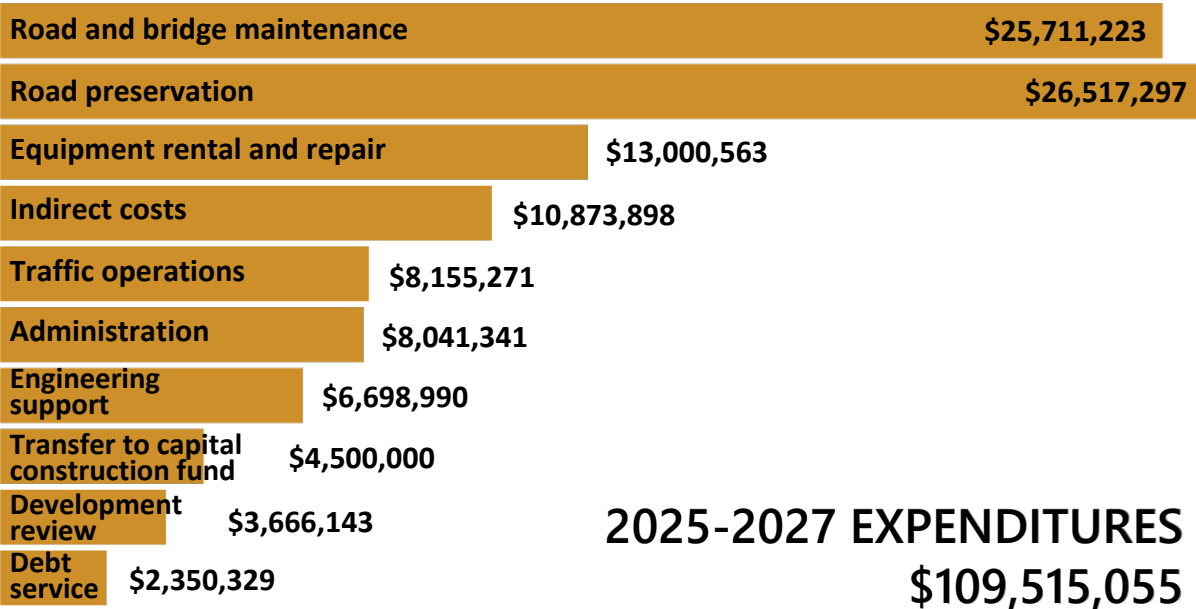
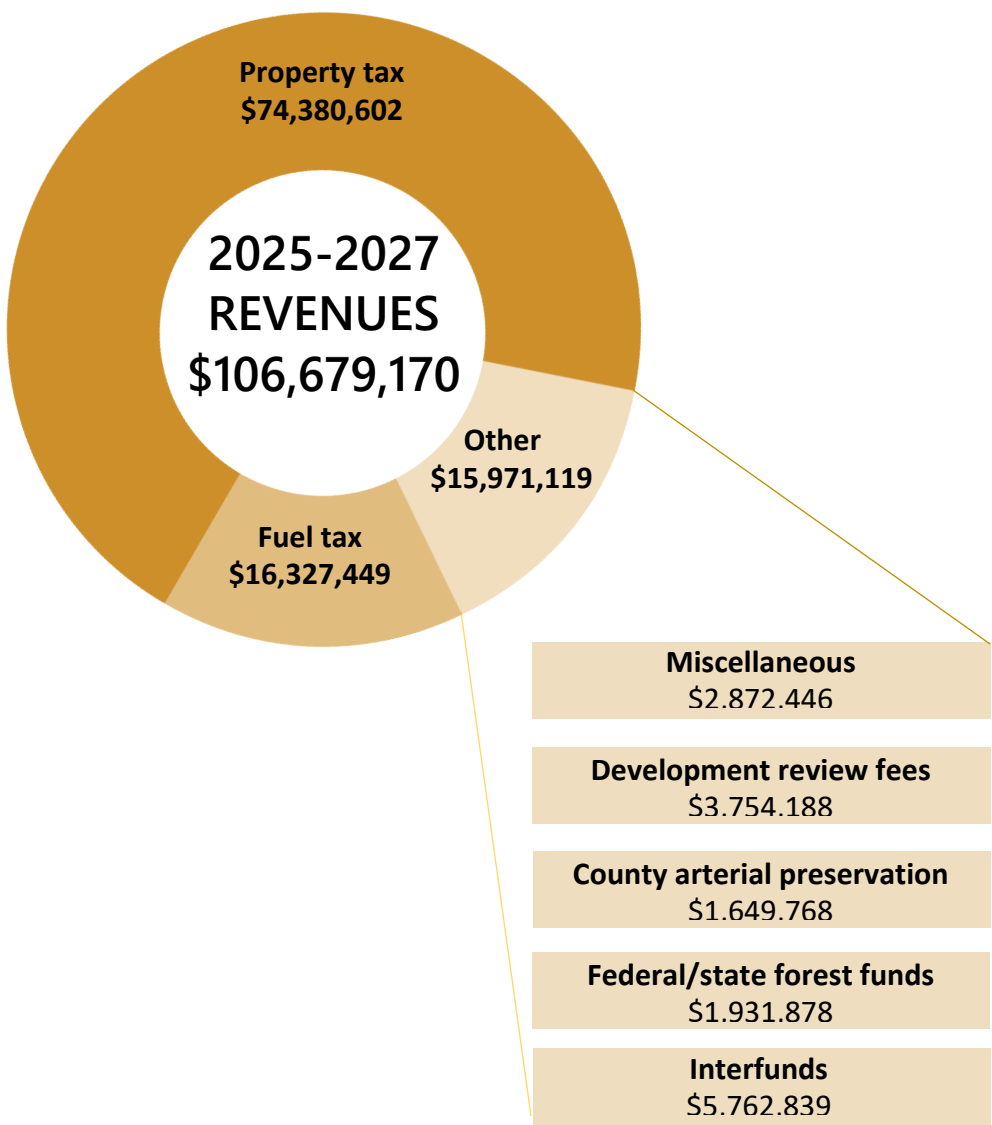
Road Fund 1190 – 2024 forecast

Beginning fund balance: \$12,406,983



Transportation-related revenues and expenditures

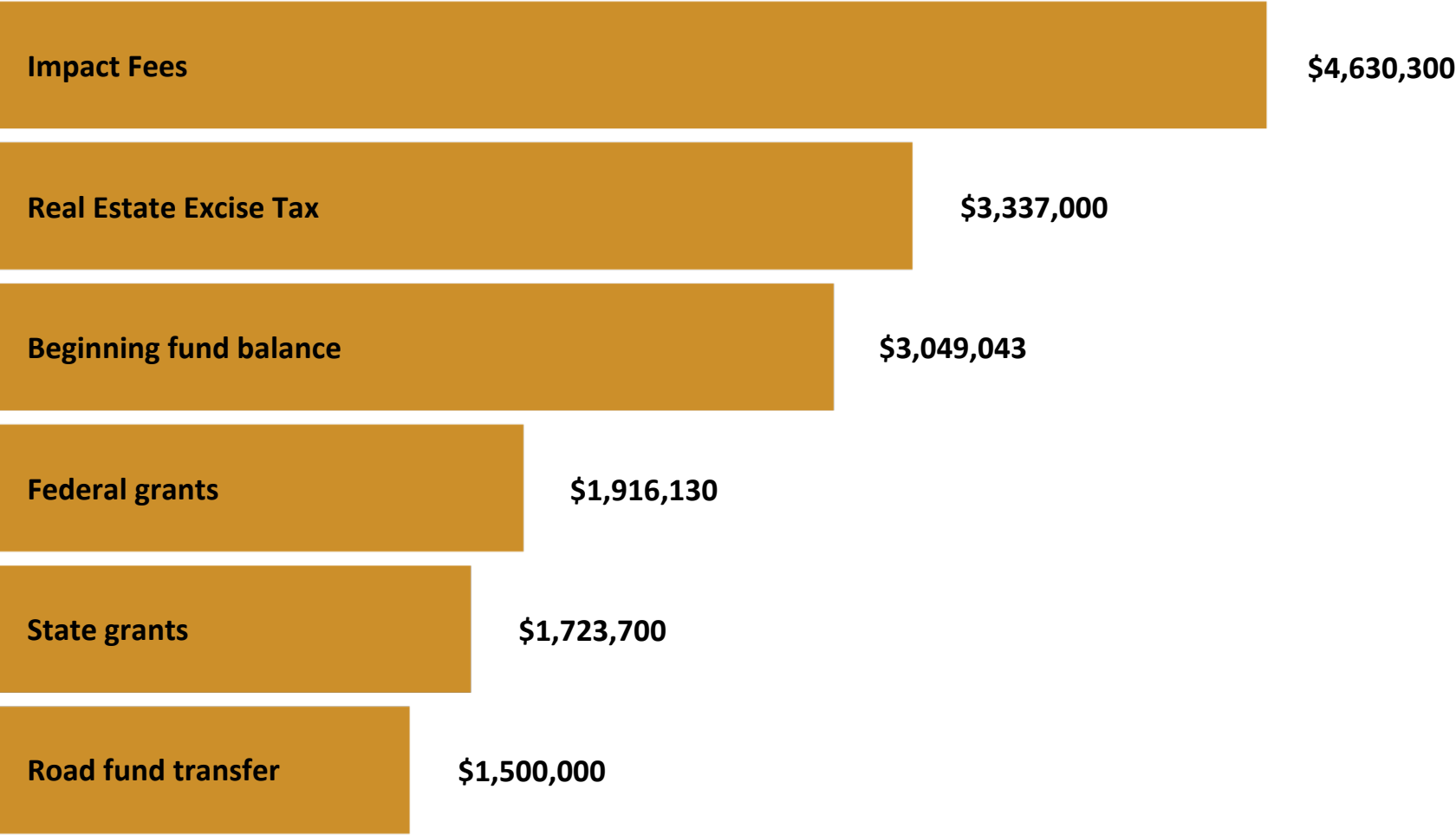
Road Fund 1190 – 2025-2027 forecast



Transportation–related revenues and expenditures

Capital Construction Fund 3010

2022 Revenues



2022 REVENUES & FUND BALANCE: \$16,156,173

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 144 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 (see next page)
- 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 an estimated 330 culverts which hinder fish passage. Public Works is improving fish passage conditions by removing and replacing barriers, increasing fish habitat, and protecting the biological health of waterways.



Criteria considered

- Barrier status (full barrier, partial barrier, no barrier)
- Type of fish in area
- Potential habitat gained
- Ease of construction
- Public impacts
- Proximity to other barriers
- 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 four prioritization criteria:

- 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 2022

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 begin construction in 2022. 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

3010 FUNDING SOURCES									3010 PROJECT/PROGRAM EXPEDITURES									
PROJECT NAME	CP#	LOCAL MATCH	IMPACT FEES	INTER GOVT	REET	FUND TYPE	FUNDING GRANT \$	TOTAL FUNDING	PE & FE LABOR	CONSULT	REAL ESTATE ACQUISITION	CM	CONTRACT	COUNTY FORCE	BUDGETED COSTS	FUNCT CLASS	WORK TYPE	ENVIRON TYPE
Mullen Rd Upgrade Phase 1 (Lacey City Limits to Carpenter Rd)	61487	\$15,000						\$15,000				\$15,000			\$15,000	19	RC	I
Marvin Rd Upgrade Phase 2 (Mullen Rd Intersection)	61545	\$5,000						\$5,000				\$5,000			\$5,000	16	RC	I
Pacific Avenue Safety	61518	\$160,000				STP/HSIP	\$585,000	\$745,000	\$25,000			\$100,000	\$620,000		\$745,000	14	SW	I
Marvin Rd Upgrade Phase 1 (22nd Ave to Union Mills Rd)	61478	\$700,000	\$1,034,000			TIB	\$1,633,000	\$3,367,000	\$100,000			\$355,000	\$2,912,000		\$3,367,000	16	RC	I
Yelm Highway and Meridian Rd Intersection Improvements	61318	\$924,000	\$250,000			STP	\$333,000	\$1,507,000	\$5,000			\$180,000	\$1,322,000		\$1,507,000	14	IS	I
Johnson Point Rd & Hawks Prairie Rd Intersection Improvements	61364		\$187,000			STP	\$238,000	\$425,000	\$150,000		\$275,000				\$425,000	17	IS	I
Latigo St at Spurgeon Creek & Chehalis Western Trail	63008				\$10,000			\$10,000				\$10,000			\$10,000	9	FP	I
US 12 Urban Improvements Phase 1 (Old Hwy 99 SW to W UGA Boundary)	61502		\$572,000		\$1,340,000	DEV	\$1,488,000	\$3,400,000				\$360,000	\$3,040,000		\$3,400,000	17	IS	S
Littlerock Road & 113th Ave SW Bridge and Intersection Improvements	61320	\$50,000	\$50,000					\$100,000	\$100,000						\$100,000	7	FA	I
Martin Way Corridor Study	61337	\$10,000						\$10,000	\$10,000						\$10,000	Varies	Other	E
Pacific Ave SE Pavement Preservation - (Lacey City Limits to Union Mills Rd SE)	98408				\$80,000	NHS	\$170,000	\$250,000	\$200,000		\$50,000				\$250,000	14	2R	I
Marvin RD Upgrade Phase 3 (Union Mills RD to Pacific AVE)	61552	\$100,000						\$100,000	\$50,000		\$50,000				\$100,000	16	RC	I
Old Hwy 99 at Intersections of Sargent Rd and 201st Ave	61548	\$22,000				STBG	\$138,000	\$160,000	\$160,000						\$160,000	17	IS	I
Vail Rd SE Improvements Phase 2 (138th Ave SE to 153rd Ave SE)	61450	\$135,000						\$135,000				\$10,000	\$125,000		\$135,000	7	RC	I
2024 County Road Safety (HSIP)	61546					HSIP	\$90,000	\$90,000	\$90,000						\$90,000	Varies	Safety	I
Gate Road Culvert Replacements	63015				\$5,000			\$5,000				\$5,000			\$5,000	7	FP	I
Yelm Hwy SE Pavement Preservation - (Rich Rd SE to Lacey City Limits)	98409	\$80,000				NHS	\$170,000	\$250,000	\$200,000		\$50,000				\$250,000	14	2R	I
Evergreen Pkwy & Mud Bay Rd Interchange Improvements	61161	\$60,000						\$60,000	\$10,000	\$50,000					\$60,000	16	RC	I
Thurston County Mobility Strategy	61522	\$24,000				STBG	\$151,000	\$175,000		\$175,000					\$175,000	Varies	Other	E
Old Hwy 99 & Tilley Rd Intersection Improvements (HSIP)	61317	\$25,000				HSIP	\$50,000	\$75,000	\$75,000						\$75,000	16	IS	I
Black Lake Belmore RD Bridge Approach Repair	77175	\$120,000						\$120,000	\$120,000						\$120,000	17	3R	I
Old Hwy 9 & Old Hwy 99	TBD	\$150,000						\$150,000	\$25,000	\$125,000					\$150,000	17	IS	I
183rd Ave SW Phase 1 - (US 12 to Sargent Rd)	61348	\$10,000				RAP	\$90,000	\$100,000	\$89,000		\$1,000		\$10,000		\$100,000	17	RC	I
Sargent RD SW - US 12 to Old Hwy 99 SW (South Grand Mound UGA Improvements)	61507		\$100,000					\$100,000	\$60,000		\$40,000				\$100,000	19	RC	I
Rochester - Grand Mound Trail Feasibility Study	61527	\$17,000				STBG	\$106,000	\$123,000		\$123,000					\$123,000	NA	Other	E
Draham ST at Woodland Creek Fish Passage	63016					DEV	\$205,000	\$205,000	\$105,000				\$100,000		\$205,000	16	FP	I

Annual Road Program

3010 FUNDING SOURCES								
PROJECT NAME	CP#	LOCAL MATCH	IMPACT FEES	INTER GOVT	REET	FUND TYPE	FUNDING GRANT \$	TOTAL FUNDING
Pacific AVE SE/Steilacoom RD SE/Union Mills RD SE Intersection Improvements	TBD	\$150,000						\$150,000
Marvin RD Extension	TBD	\$25,000						\$25,000
Steamboat Island RD Bridge Rail and Pile Cap Repair	98012	\$250,000						\$250,000
Carpenter Rd Barrier	77172	\$10,000						\$10,000
Countywide Electrical Services Project (HSIP)	TBD	\$8,000				HSIP	\$76,000	\$84,000
Carpenter Rd Pedestrian Improvements - Regional Transition Center	61544				\$350,000			\$350,000
Country Club Road NW at Green Cove Creek Culvert Replacement	63023				\$350,000			\$350,000
Americans with Disabilities Act (ADA) Program	64000	\$50,000				DEV	\$308,000	\$358,000
Fish Passage Enhancement Program	63006				\$1,122,000			\$1,122,000
Road Preservation Program	TBD	\$3,200,000						\$3,200,000
1190 FUNDING SOURCES								
2022 Miscellaneous projects		\$500,000						\$500,000
TOTAL CRP PROJECTS		\$6,800,000	\$2,193,000	\$0	\$3,257,000		\$5,831,000	\$18,081,000

3010 PROJECT/PROGRAM EXPEDITURES									
PE & FE		REAL ESTATE		COUNTY		BUDGETED	FUNCT	WORK	ENVIRON
LABOR	CONSULT	ACQUISITION	CM	CONTRACT	FORCE	COSTS	CLASS	TYPE	TYPE
\$25,000	\$125,000					\$150,000	14	IS	I
\$5,000	\$20,000					\$25,000	NA	NEW	E
\$10,000			\$40,000	\$200,000		\$250,000	9	2R	I
			\$10,000			\$10,000	16	Other	I
\$84,000						\$84,000	Varies	Other	E
\$70,000		\$20,000	\$50,000	\$210,000		\$350,000	16	SW	I
\$50,000	\$250,000	\$50,000				\$350,000	9	FP	I
\$50,000				\$308,000		\$358,000	Varies	Other	E
\$377,000				\$745,000		\$1,122,000	Varies	Other	E
\$50,000				\$3,150,000		\$3,200,000	Varies	2R	I
1190 PROJECT/PROGRAM EXPENDITURES									
\$80,000	\$20,000	\$50,000	\$50,000	\$200,000	\$100,000	\$500,000			
\$2,375,000	\$888,000	\$586,000	\$1,190,000	\$12,942,000	\$100,000	\$18,081,000			

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 2022-2027 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 page 33 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 24.
- Project changes from last years' 2021-2026 TIP. Page 26.
- Maps showing the locations and extents of all 6-year planned projects. Page 27.
- Transportation project tables that provide project-specific information, in order of project priority. Page 32.

2022-2027 TIP overview

RANK	PROJECT NAME	2022	2023	2024	2025 - 2027	TOTAL
1	Mullen Rd Upgrade Phase 1 (Lacey City Limits to Carpenter Rd)	\$15,000				\$15,000
2	Marvin Rd Upgrade Phase 2 (Mullen Rd Intersection)	\$5,000				\$5,000
3	Pacific Avenue Safety	\$745,000	\$15,000			\$760,000
4	Marvin Rd Upgrade Phase 1 (22nd Ave to Union Mills Rd)	\$3,367,000	\$2,732,600	\$10,000		\$6,109,600
5	Yelm Highway and Meridian Rd Intersection Improvements	\$1,507,000				\$1,507,000
6	Johnson Point Rd & Hawks Prairie Rd Intersection Improvements	\$425,000	\$240,000	\$3,020,000	\$7,000	\$3,692,000
7	Latigo St at Spurgeon Creek & Chehalis Western Trail	\$10,000				\$10,000
8	US 12 Urban Improvements Phase 1 (Old Hwy 99 SW to W UGA Boundary)	\$3,400,000	\$10,000			\$3,410,000
9	Littlerock Road & 113th Ave SW Bridge and Intersection Improvements	\$100,000	\$1,958,000	\$450,000	\$7,000	\$2,515,000
10	Yelm Hwy SE Bridge Replacement (O-12)				\$50,000	\$50,000
11	Martin Way Corridor Study	\$10,000				\$10,000
12	Pacific Ave SE Pavement Preservation - (Lacey City Limits to Union Mills Rd SE)	\$250,000	\$2,128,050	\$1,021,950		\$3,400,000
13	Marvin RD Upgrade Phase 3 (Union Mills RD to Pacific AVE)	\$100,000			\$3,510,400	\$3,610,400
14	Old Hwy 99 at Intersections of Sargent Rd and 201st Ave	\$160,000	\$432,428	\$448,035	\$2,510,000	\$3,550,463
15	Vail Rd SE Improvements Phase 2 (138th Ave SE to 153rd Ave SE)	\$135,000				\$135,000
16	Tilley Rd Bridge Replacement (T-2)			\$50,000		\$50,000
17	2024 County Road Safety (HSIP)	\$90,000	\$165,000	\$2,465,000	\$60,000	\$2,780,000
18	Gate Road Culvert Replacements	\$5,000				\$5,000
19	Yelm Hwy SE Pavement Preservation - (Rich Rd SE to Lacey City Limits)	\$250,000	\$2,330,000	\$1,120,000		\$3,700,000

2022-2027 TIP overview

RANK	PROJECT NAME	2022	2023	2024	2025 - 2027	TOTAL
20	Evergreen Pkwy & Mud Bay Rd Interchange Improvements	\$60,000	\$60,000			\$120,000
21	Thurston County Mobility Strategy	\$175,000	\$102,000			\$277,000
22	Old Hwy 99 & Tilley Rd Intersection Improvements (HSIP)	\$75,000	\$176,000	\$189,000	\$1,040,000	\$1,480,000
23	Black Lake Belmore RD Bridge Approach Repair	\$120,000	\$2,600,000			\$2,720,000
24	Steilacoom Rd Improvements Phase 1 (Pacific Ave NE to SR 510)				\$50,000	\$50,000
25	Old Hwy 9 & Old Hwy 99	\$150,000				\$150,000
26	183rd Ave Phase 1 - (US 12 to Sargent Rd)	\$100,000	\$200,000	\$807,000	\$1,638,000	\$2,745,000
27	Yelm Hwy and Spurgeon Crk Rd SE Intersection Improvements				\$50,000	\$50,000
29	Yelm Hwy SE and Pacific Ave Ped Improvements Phase 2			\$1,024,000	\$10,000	\$1,034,000
30	Elderberry St SW Upgrade (US 12 to 196th Ave)		\$150,000			\$150,000
31	Sargent RD SW - US 12 to Old Hwy 99 SW (South Grand Mound UGA Improvements)	\$100,000				\$100,000
32	Pleasant Glade Elementary Pedestrian Improvements				\$50,000	\$50,000
33	Old Hwy 99 Rural Capacity Project (US 12 to S UGA Boundary)				\$50,000	\$50,000
34	Rich RD SE - Rixie RD SE to Yelm HWY SE		\$50,000			\$50,000
35	Rochester-Grand Mound Trail Feasibility Study	\$123,000				\$123,000
36	Draham ST at Woodland Creek Fish Passasge	\$205,000	\$11,000			\$216,000
38	Pacific AVE SE/Steilacoom RD SE/Union Mills RD SE Intersection Improvements	\$150,000				\$150,000
39	113th Ave SE (SR 121/Tilley Rd S to McCorkle Rd SE)				\$10,000	\$10,000
40	McCorkle Rd SE (113th Ave SE to Old Hwy 99)				\$10,000	\$10,000
41	Marvin RD Extension	\$25,000				\$25,000
42	Steamboat Island RD Bridge Rail and Pile Cap Repair	\$250,000	\$10,000			\$260,000
43	Old Pacific HWY/Kuhlman RD Intersection Improvements		\$150,000			\$150,000

2022-2027 TIP overview

RANK	PROJECT NAME	2022	2023	2024	2025 - 2027	TOTAL
44	Carpenter Rd Barrier	\$10,000				\$10,000
45	Rochester Main Street Improvements (US 12)				\$50,000	\$50,000
46	Local Road Safety Plan			\$20,000	\$20,000	\$40,000
47	Trail Enhancement Study (HSIP)		\$200,000			\$200,000
48	Countywide Electrical Services Project (HSIP)	\$84,000	\$100,000	\$966,000	\$450,000	\$1,600,000
49	Carpenter Road Pedestrian Improvement - Regional Transition Center	\$350,000				\$350,000
50	Country Club Road NW at Green Cove Creek Culvert Replacement			\$4,000,000		\$4,000,000
	PROGRAM	2022	2023	2024	2025-2027	TOTAL
NA	Americans with Disabilities Act (ADA) Program	\$358,690	\$50,000	\$50,000	\$150,000	\$608,690
NA	Fish Passage Enhancement Program	\$1,472,000	\$2,000,000	\$2,000,000	\$6,000,000	\$11,472,000
NA	Road Preservation & Rehabilitation Program	\$3,200,000	\$3,900,000	\$6,000,000	\$20,000,000	\$33,100,000
NA	Pedestrian & Bicycle Program					\$0
NA	Safe Routes to School Program					\$0
NA	Bridge Program					\$0
NA	County Road Safety Improvement Program					\$0
NA	Culvert Program					\$0
NA	Roadway Capacity Program					\$0

Summary of project changes

Projects added to the 6-year plan (2022)

- Pacific Ave Pavement Preservation Lacey City Limits to Union Mills Rd SE
- Marvin RD Upgrade Phase 3 (Union Mills to Pacific AVE)
- Yelm Hwy Pavement Preservation Rich Rd SE to Lacey City Limits
- Old Hwy 9 & Old Hwy 99
- Black Lake Bridge Approach Repair
- Rich RD SE from Rixie Rd SE to Yelm HWY SE
- Draham ST at Woodland Creek Fish Passage
- Marvin RD Extension
- Steamboat Island Bridge Rail and Pile Caps Repair
- Old Pacific HWY/ Kuhlman RD Intersection Improvements
- Local Road Safety Plan
- Trail Enhancement Study (HSIP)
- Countywide Electrical Services Project (HSIP)

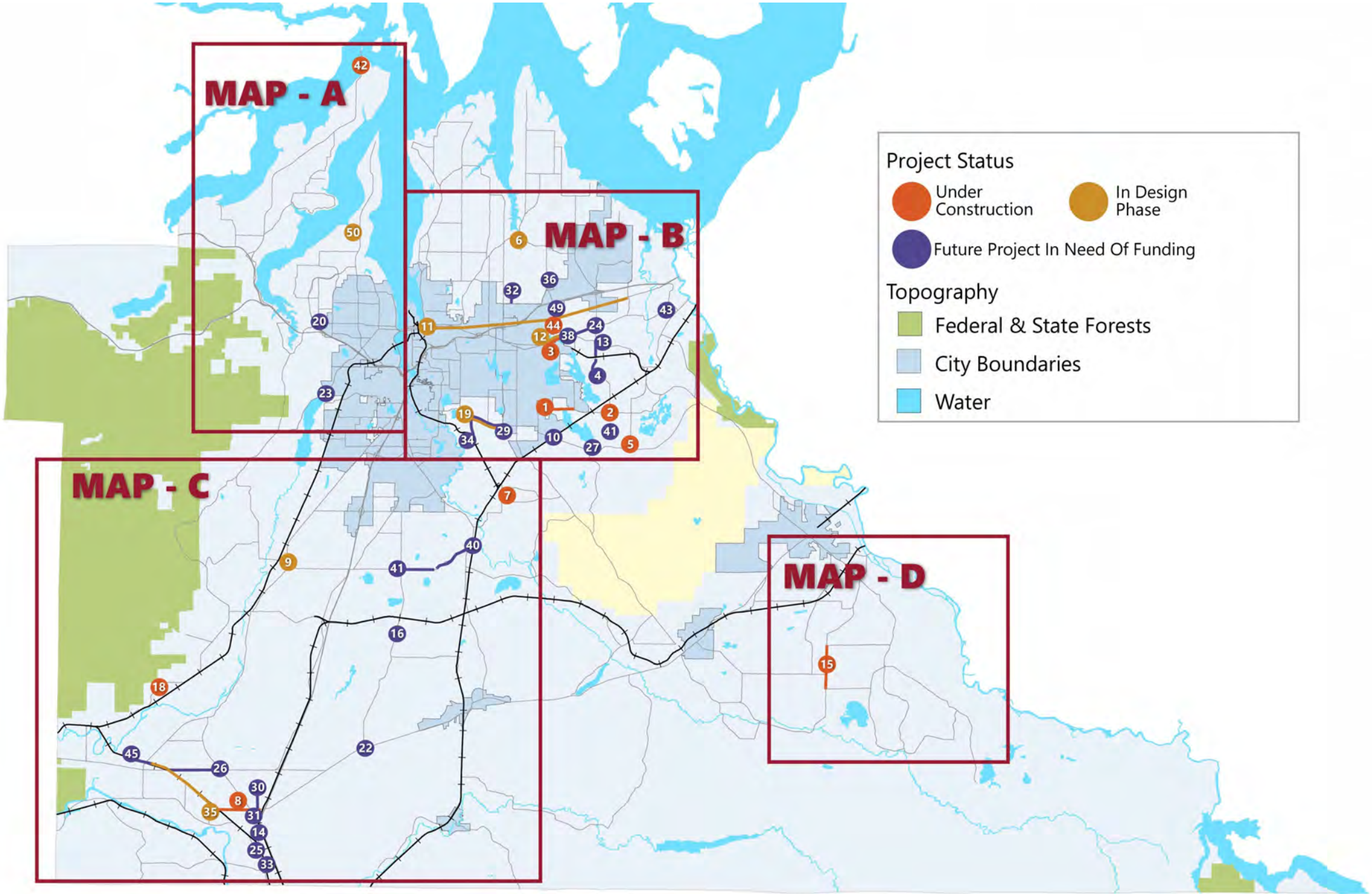
Projects dropped from the 6-year plan (2021)

- Pacific Ave & Steilacoom Rd NE Intersection Improvement
- Sargent Rd SW Urban Upgrade
- Country Club Rd NW at Green Cove Creek Culvert Replacement
- Steilacoom Rd Improvements Phase 2 (SR 510 to Hawks Glen Dr)
- French Rd NW at Butler Creek Culvert Replacement
- Boston Harbor Rd NE at Adams Creek Culvert Replacement
- Littlerock Rd near Sargent Rd Culvert Replacement

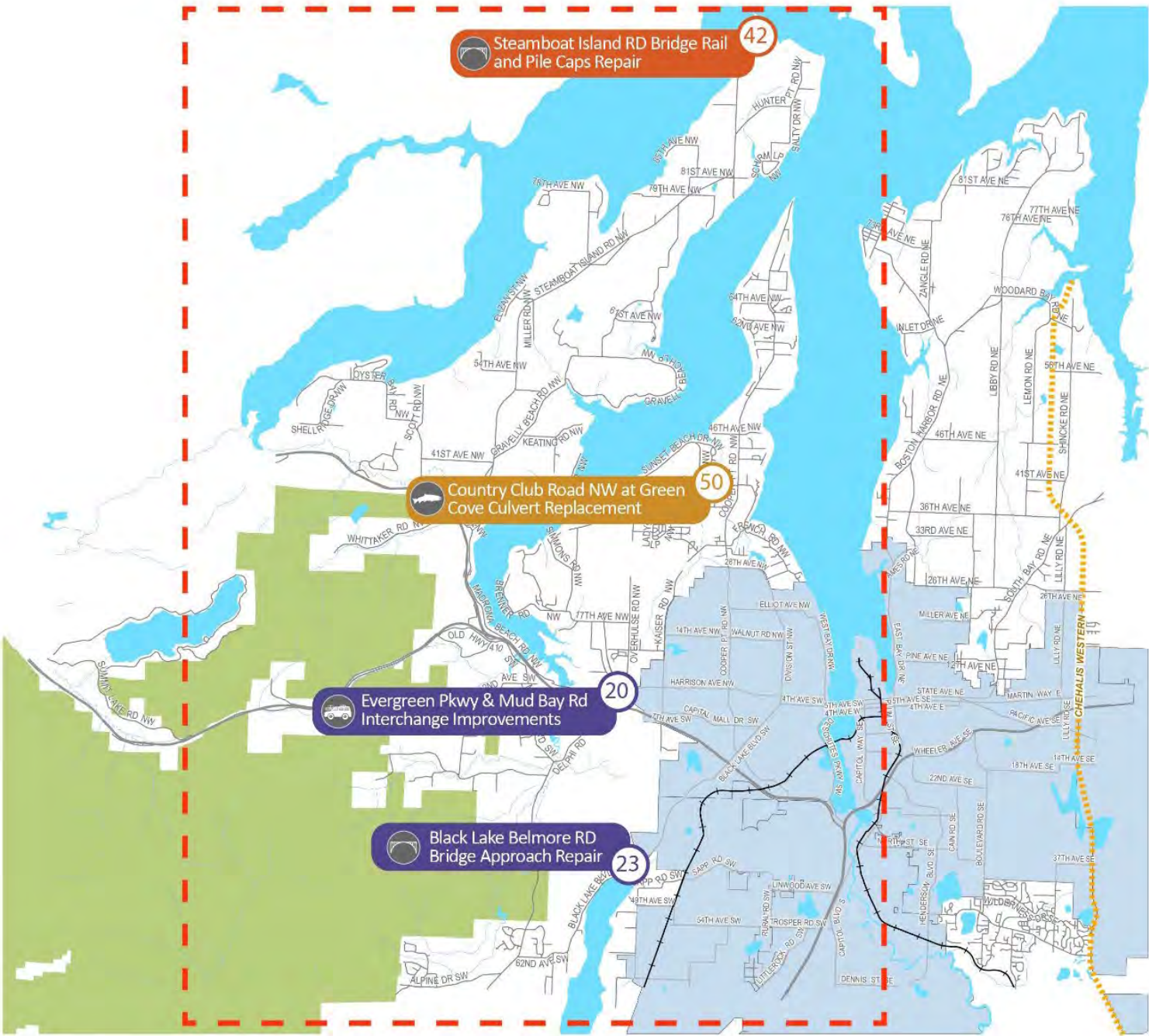
Projects scheduled to complete construction in 2021

	Mullen Rd Phase 1 – A large, multi-year project with a widened road, safety and pedestrian improvements, roundabout and a turn lane. Estimated Project Cost: \$4,560,000
	N-1 Bridge Repair - A repair was completed to install/connect a steel beam to the existing pile cap to restore the carrying capacity of the bridge. Estimated Project Cost: \$90,000
	Carpenter Rd Barrier – Replacement of an aluminum pedestrian rail with a cast concrete barrier along the roadway between Pacific Ave NE and Martin Way E. Estimated Project Cost: \$200,000
	2021 Preservation Program (Overlay) - Performed preservation and rehabilitation on various roadway surfaces to extend road life. Estimated Project Cost: \$6,000,000
	Safety Data Collection Project – Performed a study that included review of collision patterns and history. Estimated Project Cost: \$150,000
	Old Hwy 99 at Chein Hill Slide Repair – A winter storm in January 2021 caused an embankment to slide along a section of county road, requiring a retaining wall to be designed and installed. Estimated Project Cost: \$350,000
	Gate Road Culvert Replacement Improved fish passage by replacing culverts at two locations. Estimated Project Cost: \$2,005,000

2022-2027 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

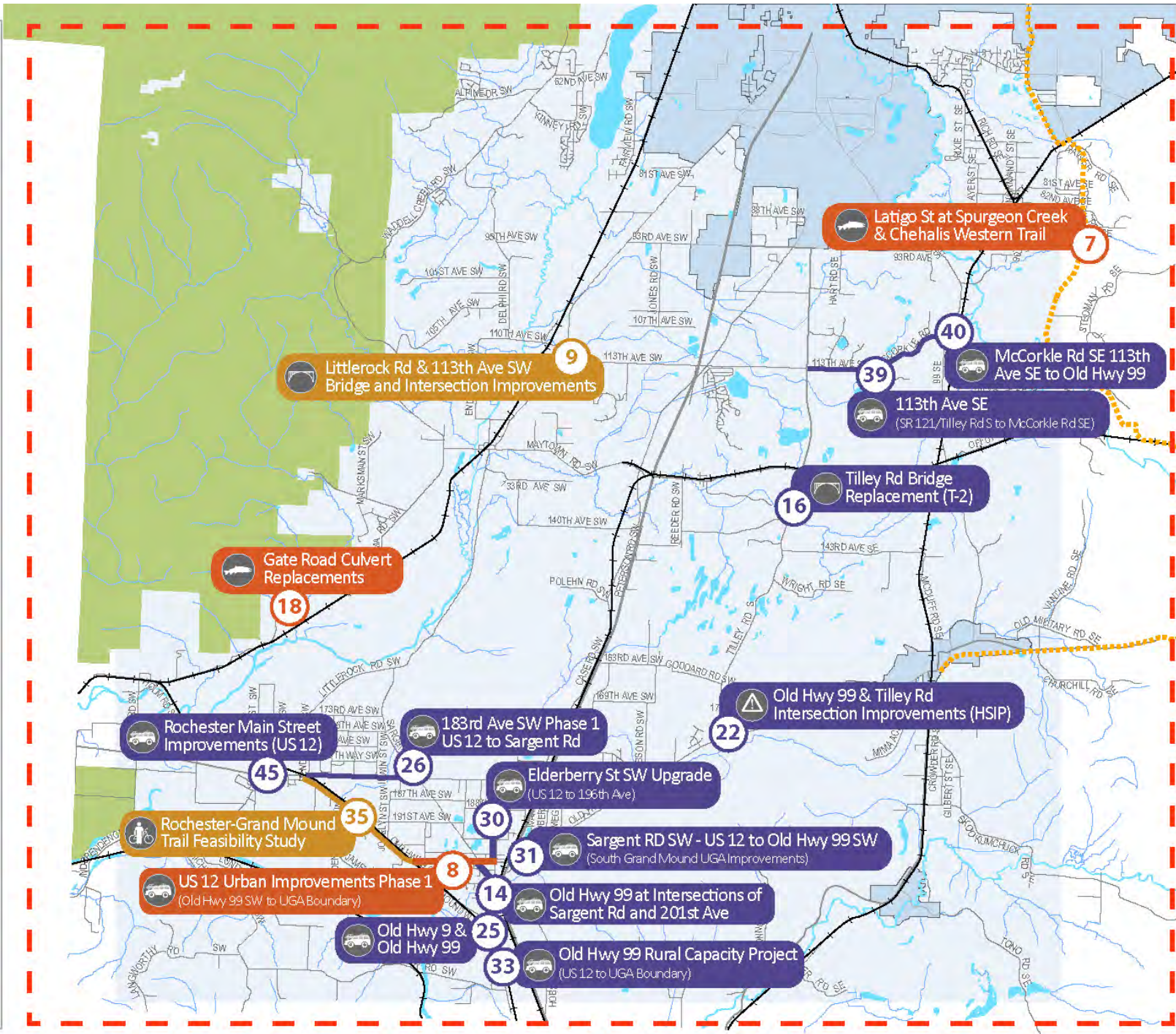
Future Projects In Need Of Funding

Topography

Federal & State Forests

City Boundaries

Water



Map D



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 27-31.

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.

				2022 ANNUAL PROGRAM					2023 Future Allocation				2024 Future Allocation				2025-2027 Future Allocation																	
Project Title	Map	C	ID #	Project Phase	Prior Expend.	Revenue Sources in \$1,000's					2022 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2017-2022 Total														
						Local	Federal	State	Other	Local		Federal	State	Other	Local	Federal	State	Other	Local		Federal	State	Other											
Project Limits (Length): Mullen Rd. SE, City of Lacey limits to Carpenter Rd. SE Funding Detail: Est. Total Cost: \$15,000,000 Fully Funded: Yes Other Project Information: CRP #: 61487 Comm. Dist. 1, 2 Priority Group: CAP, PB Ranking: 1 TCCP Transportation Goals: 1, 2 and 3 Project Elements: A, B, D, F, G, H, J, K, L Improvement Type: 03 Enviro. Type: CE				PLAN	724																		0											
				ENG	0		7	STPU	48	TIB	25	CITY	80			30	TIB	20	CITY						130									
				ROW	0				222	TIB	148	CITY	370	62	CRF		94	TIB							526									
				CON	0								0			655	STPU	983	TIB	107	CRF	918	STPU	1906	TIB	246	CITY		640	STPU	961	TIB		6416
				Total	724	0	7		270		173		450	62		655		1107		20	107		918		1906		246		0		640		961	
											1844				3177				1601															
Project Description: Widen and reconstruct roadway to provide dedicated bike lane, sidewalks, lighting and crosswalks. Roundabout at Carpenter Rd. and a left turn lane on to Mullen Rd. at Glen Terra Dr.																																		

Project details including estimated total cost and other project information. Abbreviations for project details can be found on pages 33-34.

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
HRRP = High Risk Rural Roads Program
HSIP = Highway Safety Improvement Program
NTPS = North Thurston Public Schools
OTHR = Outside Sorces (Other Agencies)
RAP = Rural Arterial Program
REET = Real Estate Excise Tax
SP = Sidewalk Program
STPC = Surface Trans. Program (Competitive)
STPE = Surface Trans. Program (Enhancement)
STPH = Surface Trans. Program (Hazard Elimination Program)
STPR = Surface Trans. Program (Rural)
STPU = Surface Trans. Program (Urban)
STPX = Surface Trans. Program (Elimination R/R Hazards)
TBDN = Transportation Benefit District- Non Committed
TIF = Traffic Impact Fee
UAP = Urban Arterial Program
WDOT = Washington State Department of Transportation

Other

TCCP = Thurston County Comprehensive Plan Chapter 5 (Transportation)

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 priority groups

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 = Fedral 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 = Mino collector
19 = Local access

6-year project list

			2022				2023					2024				2025-2027				2022-2027 Total		
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map	B	ID # 1			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal		State	Other
Project Limits (Length): Mullen Rd SE, City of Lacey limits to Carpenter Rd SE Funding Detail: Est. Total Cost: \$15,000,000 Fully Funded: Yes Other Project Information: CP #: 61487 Priority Group: CAP, PB Ranking: 1 TCCP Transportation Goals: 1, 2 and 3 Project Elements: A, B, D, F, G, H, J, K, L Improvement Type: 03 Enviro. Type: DCE			PLAN	639																0		
			ENG	491																	0	
			ROW	1,253																	0	
			CON	12,534	15	CRF															15	
			Total	14,917	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
			15				0					0				0				15		
Project Description:			Widen and reconstruct roadway to provide dedicated bike lane, sidewalks, lighting and crosswalks. Roundabout at Carpenter Rd. and a left turn lane on to Mullen Rd. at Glen Terra Dr.																			

			2022				2023					2024				2025-2027							
Project Title			Map	B	ID #	2	Project Phase	Prior. Expnd.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total	
									Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		Local
Project Limits (Length): Marvin Rd SE & Mullen Rd SE Intersection							PLAN	0													0		
Funding Detail: Est. Total Cost: \$2,500,000 Fully Funded: No							ENG	0													0		
Other Project Information: CP #: 61545 Comm. Dist. 2							ROW	0													0		
Priority Group: CAP Ranking: 2							CON	192	5	CRF											5		
TCCP Transportation Goals: 1, 2, 3 and 4							Total	192	5	0	0	0	0	0	0	0	0	0	0	0	5		
Project Elements: A, B, D, F, G, J, K, L									5				0				0						
Improvement Type: 03 Enviro. Type: DCE							Project Description: Construct a roundabout at the intersection of Marvin Rd and Mullen Rd.																

			2022				2023					2024				2025-2027				2022-2027		
Project Title			Project Phase	Prior Expnd.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total
Map	B	ID #			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Pacific Avenue Safety																						
<u>Project Limits (Length):</u> Pacific Ave SE, Carpenter Rd SE to Union Mills Rd SE			PLAN	45																		
<u>Funding Detail:</u> Est. Total Cost: \$1,000,000 Fully Funded: Yes			ENG	163																		
<u>Other Project Information:</u> CP #: 61518 Comm. Dist. 2			ROW	21																		
Priority Group: PB Ranking: 3			CON	0	160 CRF	315 STP			15 CRF													
<u>TCCP Transportation Goals:</u> 1, 2 and 3																						
<u>Project Elements:</u> F, G, L			Total	229	160	585	0	0	15	0	0	0			0	0	0	0				
<u>Improvement Type:</u> 28 <u>Enviro. Type:</u> DCE					745			15					0			0						
<u>Project Description:</u> Construct ADA accessible crossings through the installation of pedestrian refuge islands, by improving curb ramps and improving sidewalks.																						

6-year project list

			2022				2023				2024				2025-2027				2022-2027 Total				
Project Title	Map	B ID #	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						
Marvin Rd Upgrade Phase 1 (22nd Ave to Union Mills Rd)					Local	Federal	State	Other	Local	Federal	State	Other	2022 - 2023 Total	Local	Federal	State	Other	Local	Federal	State	Other		
Project Limits (Length): Marvin Rd SE, 22nd Ave SE to Union Mills SE Funding Detail: Est. Total Cost: \$7,000,000 Fully Funded: No Other Project Information: CP #: 61478 Comm. Dist. 2 Priority Group: CAP Ranking: 4 TCCP Transportation Goals: 1, 2, 3 and 4 Project Elements: A, B, D, F, G, H, J, K, L, P, S, U Improvement Type: 03 Enviro. Type: DCE	PLAN	581											0									0	
	ENG	409						100 DEV					100										100
	ROW	1,597											0										0
	CON	0					1,633 TIB	600 DEV	500 CRF		1,366 TIB		5999	10 CRF									6009
	Total	2,587			1,034 TIF				866 TIF				6099	10	0	0	0	0	0	0	0	0	6110
					3367				2733				10				0						
			Project Description: 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 and access control at Union Mills Rd.																				

			2022				2023				2024				2025-2027				2022-2027 Total				
Project Title	Map	B ID #	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						
Yelm Highway and Meridian Rd Intersection Improvements					Local	Federal	State	Other	Local	Federal	State	Other	2022 - 2023 Total	Local	Federal	State	Other	Local	Federal	State	Other		
Project Limits (Length): Yelm Highway SE & Meridian Rd SE Intersection Funding Detail: Est. Total Cost: \$3,000,000 Fully Funded: Yes Other Project Information: CP #: 61318 Comm. Dist. 2 Priority Group: CAP Ranking: 5 TCCP Transportation Goals: 1, 2, 4 and 5 Project Elements: A, B, D, J, K, L, T Improvement Type: 03 Enviro. Type: DCE	PLAN	182											0									0	
	ENG	61											0										0
	ROW	371											0										0
	CON	2,188			924 CRF	333 STP							1507										1507
	Total	2,802			250 TIF								1507	0	0	0	0	0	0	0	0	0	1507
					1507				0				0				0						
			Project Description: Construct a roundabout at the intersection of Yelm Highway and Meridian Rd.																				

			2022				2023				2024				2025-2027				2022-2027 Total				
Project Title	Map	B ID #	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						
Johnson Point Rd & Hawks Prairie Rd Intersection Improvements					Local	Federal	State	Other	Local	Federal	State	Other	2022 - 2023 Total	Local	Federal	State	Other	Local	Federal	State	Other		
Project Limits (Length): Johnson Point Rd NE, South Bay Rd NE & Hawks Prairie Rd NE Funding Detail: Est. Total Cost: \$4,200,000 Fully Funded: Yes Other Project Information: CP #: 61364 Comm. Dist. 1 Priority Group: CAP Ranking: 6 TCCP Transportation Goals: 1, 2 and 4 Project Elements: A, B, J, K, L, P Improvement Type: 03 Enviro. Type: DCE	PLAN	250											0									0	
	ENG	137			150 TIF				90 CRF				240										240
	ROW	88			37 TIF	238 STP			21 CRF	129 STP			425										425
	CON	0											0	420 CRF	2600 STP			7 CRF					3027
	Total	475			187	238	0	0	111	129	0	0	665	420	2600	0	0	7	0	0	0		3692
					425				240				3020				7						
			Project Description: Construct a roundabout at the intersection of Johnson Point Rd, Hawks Prairie Rd and South Bay Rd.																				

6-year project list

			2022				2023					2024				2025-2027														
Project Title			Map	C	ID #	7	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total				
Latigo St at Spurgeon Creek & Chehalis Western Trail									Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other					
Project Limits (Length): Latigo St SE, 0.15 mile S of 89th Ave SE Funding Detail: Est. Total Cost: \$2,000,000 Fully Funded: Yes Other Project Information: CP #: 63008 Comm. Dist. 1 Priority Group: FP Ranking: 7 TCCP Transportation Goals: 1, 2, 4 and 5 Project Elements: A, B, D, L, S Improvement Type: 08, 28 Enviro. Type: DCE							PLAN	123																				0		
							ENG	80																						0
							ROW	0																						0
							CON	1791	10	REET																				10
							Total	1,994	10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
											10				0								0							
Project Description:							Improve fish passage conditions by installing larger culverts, remove fish barriers and enhance aquatic environment.																							

			2022				2023					2024				2025-2027								
Project Title Map C ID # 8 US 12 Urban Improvements Phase 1 (Old Hwy 99 SW to W UGA Boundary)			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022- 2027 Total		
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other			
Project Limits (Length): US 12 & Sargent Rd SW Intersection Funding Detail: Est. Total Cost: \$3,300,000 Fully Funded: Yes Other Project Information: CP #: 61502 Comm. Dist. 3 Priority Group: CAP Ranking: 8 TCCP Transportation Goals: 1, 2, 3 and 5 Project Elements: A, B, D, F, G, H, J, K, L, T Improvement Type: 03 Enviro. Type: DCE			PLAN	254																		0		
			ENG	356																			0	
			ROW	385																			0	
			CON	177	1,340 REET 572 TIF			1,488 DEV	10 REET														3410	
			Total	1,172	1912	0	0	1488	10	0	0	0				0	0	0	0	0	0	0		3410
					3400				10						0				0					3410
Project Description: Construct a single lane roundabout at the intersection of US 12 and Sargent Rd. Designed with the ability to expand in the future to two lanes on the east and west approaches.																								

			2022				2023					2024				2025-2027				2022-2027 Total						
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's								
Map	C	ID #			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other					
Littlerock Road & 113th Ave SW Bridge and Intersection Improvements Project Limits (Length): Littlerock Rd SW, 113th Ave SW to Blooms Ditch Funding Detail: Est. Total Cost: \$3,000,000 Fully Funded: Yes Other Project Information: CP #: 61320 Comm. Dist. 3 Priority Group: CAP, BR Ranking: 9 TCCP Transportation Goals: 1, 2 and 4 Project Elements: A, B, D, H, K, L, M, P, S Improvement Type: 10 Enviro. Type: DCE			PLAN	0																0						
			ENG	107	50	CRF				50	CRF										150					
					50	TIF																				
			ROW	50																	0					
			CON	0						258	CRF	1,650	STBG				338	CRF	112	STBG	7	CRF				2365
			Total	157	100	0	0	0	308	1650	0	0	2058	338	112	0	0	7	0	0	0	2515				
			100				1958					450				7				2515						
Project Description: Replace Littlerock Rd. Bridge over Blooms Ditch (L-5) and improve intersection conditions at the intersection of 113th Ave. and Littlerock Rd.																										

6-year project list

			2022				2023					2024				2025-2027				2022-2027 Total	
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's			
Map	B	ID #			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other
Yelm Hwy SE Bridge Replacement (O-12)																					
Project Limits (Length): Yelm Highway SE over BNSF Railroad Tracks			PLAN	131															0		
Funding Detail: Est. Total Cost: \$16,800,000 Fully Funded: No			ENG	0											50	CRF			50		
Other Project Information: CP #: 61309 Comm. Dist. 1			ROW	0															0		
Priority Group: BR Ranking: 10			CON	0															0		
TCCP Transportation Goals: 1, 2 and 3																					
Project Elements: A, B, D, F, G, H, K, L, M, S, T			Total	131	0	0	0	0	0	0	0	0	0	0	50	0	0	0	50		
Improvement Type: 10 Enviro. Type: DCE			0				0					0				50				50	
Project Description:			Replace existing functionally obsolete bridge with a 4-5 lane bridge with bike lanes and sidewalks. Yelm Highway bridge approaches will be widened to 4-5 lanes with bike lanes and sidewalks.																		

					2022				2023					2024				2025-2027				2022-2027								
Project Title			Map	B	ID #	11	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total				
						Local			Federal	State	Other	Local	Federal	State	Other	Local		Federal	State	Other	Local	Federal	State	Other						
Project Limits (Length): Martin Way SE, Pacific Ave SE to Dutterow Rd SE Funding Detail: Est. Total Cost: \$300,000 Fully Funded: Yes Other Project Information: CP #: 61337 Comm. Dist. 2 Priority Group: HSIP, PB, CAP, , Ranking: 11 TCCP Transportation Goals: 1, 2, 3 and 5 Project Elements: R							PLAN	23	10	CRF																	10			
							ENG	0																					0	
							ROW	0																					0	
							CON	0																					0	
							Total	23	10		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	10
											10				0								0				0			
Improvement Type: 18 Enviro. Type: N/A							Project Description: 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 corridor.																							

			2022				2023					2024				2025-2027								
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total		
Map	B	ID #			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other			
Project Limits (Length): Pacific Ave SE, Lacey City Limits to Union Mills Rd Funding Detail: Est. Total Cost: \$3,400,000 Fully Funded: Yes Other Project Information: CP #: 98408 Comm. Dist. 2 Priority Group: PRSV Ranking: 12 TCCP Transportation Goals: 1, 4 and 5 Project Elements: A, B, C, D, G, L Improvement Type: 05 Enviro. Type: DCE			PLAN	0	13	REET	75	NHS														88		
			ENG	0	17	REET	95	NHS			13	REET	71	NHS									196	
			ROW	0	50	REET																	50	
			CON	0						307	REET	1737	NHS				200	REET	822	NHS				3066
			Total	-	80		170	0	0	320		1808	0	0	2378		200		822	0	0	0	0	3400
			250				2128					1022				0								
Project Description: Replace the top layer of existing pavement with fiber reinforced asphalt and upgrade the existing pedestrian facilities to ADA requirements.																								

6-year project list

					2022				2023				2024				2025-2027				2022-2027 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	ID #	Project Phase	Prior Expend.		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other		
Marvin RD Upgrade Phase 3 (Union Mills RD to Pacific AVE)					PLAN	0															0	
Project Limits (Length): Marvin Rd SE, Union Mills SE to Pacific Ave SE					ENG	0	50	CRF									100	CRF			150	
Funding Detail: Est. Total Cost: \$5,000,000 Fully Funded: No					ROW	0	50	CRF													50	
Other Project Information: CP #: 61552 Comm. Dist. 2					CON	0											610	CRF		2800	TIB	3410
Priority Group: CAP Ranking: 13																						
TCCP Transportation Goals: 1, 2, 3 and 4																						
Project Elements: A, B, D, F, G, H, J, K, L, P, S, U					Total	-	100		0	0	0	0	0	0	0	0	710	0	2800	0	3610	
Improvement Type: 03 Enviro. Type: DCE					Project Description: Reconstruct roadway to provide 2 to 3 lanes, bike lanes, pedestrian refuge islands, planter strips, medians, sidewalks, lighting and drainage.																	

					2022				2023				2024				2025-2027				2022-2027 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	ID #	Project Phase	Prior Expend.		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other		
Old Hwy 99 at Intersections of Sargent Rd and 201st Ave					PLAN	0	22	CRF	138	STBG			11	CRF	70	STBG					241	
Project Limits (Length): Old Highway 99 at Sargent Rd and 201st Ave Intersection					ENG	0							13	CRF	88	STBG					221	
Funding Detail: Est. Total Cost: \$5,000,000 Fully Funded: No					ROW	0							34	CRF	216	STBG					578	
Other Project Information: CP #: 61548 Comm. Dist. 3					CON	0											347	CRF	2163	STBG	2510	
Priority Group: CAP Ranking: 14																						
TCCP Transportation Goals: 1, 2, 3, and 5																						
Project Elements: A, B, D, F, G, H, J, K, L					Total	-	22		138	0	0	0	58		374	0	0	60	388	0	0	3550
Improvement Type: 03 Enviro. Type: DCE					Project Description: Construct a roundabout at the intersection of Old Hwy 99 and 201st Ave. Construct a right-in right-out intersection treatment at the intersection of Old Hwy 99 and Sargent Rd.																	

					2022				2023				2024				2025-2027				2022-2027 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	ID #	Project Phase	Prior Expend.		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Vail Rd SE Improvements Phase 2 (138th Ave SE to 153rd Ave SE)					PLAN	84															0
Project Limits (Length): Vail Rd SE, 138th Ave SE to 153rd Ave SE					ENG	47															0
Funding Detail: Est. Total Cost: \$2,900,000 Fully Funded: Yes					ROW	281															0
Other Project Information: CP #: 61450 Comm. Dist. 2					CON	2384	135	CRF													135
Priority Group: CAP Ranking: 15							135		0	0	0	0	0	0	0	0	0	0	0	0	135
TCCP Transportation Goals: 1 and 2					Total	2,796	135		0				0				0		0		135
Project Elements: A, B, D, H, K, L, T					Project Description: Install paved shoulders, recoverable roadside slopes in adjacent swales, turn lanes, lighting at the Vail Rd and 153rd intersection and pavement upgrades.																
Improvement Type: 03 Enviro. Type: DCE																					

6-year project list

					2022				2023					2024				2025-2027				2022-2027							
Project Title			Map	C	ID #	16	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total			
Tilley Rd Bridge Replacement (T-2)						Local			Federal	State	Other	Local	Federal	State	Other	Local		Federal	State	Other	Local	Federal	State	Other					
Project Limits (Length): Tilley Rd SW over Beaver Creek Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: 61547 Comm. Dist. 3 Priority Group: BR Ranking: 16 TCCP Transportation Goals: 3 Project Elements: R Improvement Type: 10 Enviro. Type: DCE							PLAN	102										0	50	CRF							50		
							ENG	0												0									0
							ROW	0												0									0
							CON	0												0									0
							Total	102	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	50
							0				0				0	50				0				50					
Project Description:							Conduct a type, size & location reports to evaluate replacing an existing functionally obsolete bridge to accommodate increased traffic and freight.																						

					2022				2023					2024				2025-2027				2022-2027									
Project Title			Map	N/A	ID #	17	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total					
							Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other								
Project Limits (Length): Countywide Funding Detail: Est. Total Cost: \$3,190,000 Fully Funded: Yes Other Project Information: CP #: 61546 Comm. Dist. 1, 2, 3 Priority Group: HSIP Ranking: 17 TCCP Transportation Goals: 1 Project Elements: A, K, L, S, T							PLAN	0								0												0			
							ENG	100		90	HSIP				90	HSIP				180			30	HSIP							210
							ROW	0							75	HSIP				75			35	HSIP							110
							CON	0												0			2400	HSIP			60	HSIP			2460
							Total	100		0	90	0	0	0	0	165	0	0		255		0	2465	0	0	0	60	0	0		2780
											90				165					2465				60							
Improvement Type: 21 Enviro. Type: DCE							Project Description: Install improvements including signing, placement markings, guardrails and lighting. This aligns with the Washington State Target Zero plan to reduce fatal and serious injuries collisions to zero by the year 2030.																								

					2022				2023					2024				2025-2027				2022-2027				
Project Title			Map	C	ID #	18	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				2022-2027 Total								
Gate Road Culvert Replacements						Local			Federal	State	Other	Local		Federal	State	Other	Local		Federal	State	Other					
Project Limits (Length): Gate Road SW, 2.75 miles E of Moon Rd SW Funding Detail: Est. Total Cost: \$2,005,000 Fully Funded: Yes Other Project Information: CP #: 63015 Comm. Dist. 3 Priority Group: FP Ranking: 18 TCCP Transportation Goals: 1, 2, 4 and 5 Project Elements: A, B, D, L, S Improvement Type: 08 Enviro. Type: DCE							PLAN	38																0		
							ENG	260																		0
							ROW	106																		0
							CON	1655	5	REET																5
							Total	2,059	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
							5				0					0				0				5		
Project Description: Improve fish passage conditions by installing larger structures and enhancing aquatic environment at two locations along Gate Rd at a tributary to Mima Creek, near Mima Rd.																										

6-year project list

			2022				2023					2024				2025-2027				2022-2027 Total				
Project Title Map B ID # 19 Yelm Hwy SE Pavement Preservation - (Rich Rd SE to Lacey City Limits)			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 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					
Project Limits (Length): Yelm Highway SE, Rich Rd SE to Lacey City Limits Funding Detail: Est. Total Cost: \$3,700,000, Fully Funded: Yes Other Project Information: CP #: 98409 Comm. Dist. 1 Priority Group: PRSV Ranking: 19 TCCP Transportation Goals: 1, 4 and 5 Project Elements: A, B, C, D, G, L Improvement Type: 05 Enviro. Type: DCE			PLAN	0	13	REET	75	NHS												88				
			ENG	0	17	REET	95	NHS			14	REET	74	NHS							200			
			ROW	0	50	REET															50			
			CON	0						336	REET	1906	NHS				170	REET	950	NHS				3362
			Total	-	80		170	0	0	350		1980	0	0			170		950	0	0	0	0	0
			250				2330				2580	1120				0								
Project Description: Replace the top layer of existing pavement with fiber reinforced asphalt and upgrade the existing pedestrian facilities to ADA requirements.																								

			2022				2023					2024				2025-2027							
Project Title Map A ID # 20 Evergreen Pkwy & Mud Bay Rd Interchange Improvements			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total	
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
Project Limits (Length): Mud Bay Rd NW and Evergreen Parkway NW Intersections Funding Detail: Est. Total Cost: \$4,500,000 Fully Funded: No Other Project Information: CP #: 61161 Comm. Dist. 3 Priority Group: CAP Ranking: 20 TCCP Transportation Goals: 1, 2, 3 and 5 Project Elements: A, B, D, F, G, H, J, K, L Improvement Type: 03 Enviro. Type: DCE			PLAN	96																	0		
			ENG	0	60	CRF				60	CRF												120
			ROW	0																			0
			CON	0																			0
			Total	96	60	0	0	0	60	0	0	0	120	0	0	0	0	0	0	0	0	0	120
			60				60					0				0							
			Project Description: Construct two roundabouts at the intersections of Mud Bay Rd NW and the Evergreen Parkway NW off-ramps.																				

			2022				2023					2024				2025-2027				2022-2027					
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Total			
Map N/A ID # 21					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other				
Thurston County Mobility Strategy Project Limits (Length): Countywide Funding Detail: Est. Total Cost: \$300,000 Fully Funded: Yes Other Project Information: CP #: 61522 Comm. Dist. 1, 2, 3 Priority Group: CAP Ranking: 21 TCCP Transportation Goals: 2, 3 and 5 Project Elements: R Improvement Type: 18 Enviro. Type: N/A			PLAN	70	24	CRF	151	STBG			14	CRF	88	STBG									277		
			ENG	0																				0	
			ROW	0																				0	
			CON	0																				0	
			Total	70	24		151		0		14	88		0		0		0		0		0		0	277
							175				102								0				0		
			Project Description: Study to assess the future traffic capacity of rural county roads and identify strategies to lessen the impact of increasing traffic volumes.																						

6-year project list

					2022				2023								2024				2025-2027				2022-2027 Total						
Project Title					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's													
Map C ID # 22					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other										
Old Hwy 99 & Tilley Rd Intersection Improvements (HSIP)					Project Phase	Prior Expend.																									
Project Limits (Length): Old Hwy 99 S and Tilley Rd SE Intersection Funding Detail: Est. Total Cost: \$1,500,000 Fully Funded: No Other Project Information: CP #: 61317 Comm. Dist. 1, 3 Priority Group: HSIP Ranking: 22 TCCP Transportation Goals: 1, 2, 3 and 4 Project Elements: B, D, H, K, L, T Improvement Type: 03 Enviro. Type: DCE					PLAN	118	20	CRF															20								
					ENG	115	5	CRF	50	HSIP			8	CRF	80	HSIP					3	CRF	27	HSIP		250					
					ROW	113						8	CRF	80	HSIP											200					
					CON	0															101	CRF	909	HSIP		1010					
					Total	346	25		50		0		0	16		160		0		0		17		172		0	0	104		936	
					75				176				189				1040														
Project Description:					Widen and reconstruct roadway to provide additional turn lanes, illumination and drainage.																										

					2022				2023								2024				2025-2027				2022-2027 Total			
Project Title					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's										
Map A ID # 23					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other							
Black Lake Belmore RD Bridge Approach Repair					Project Phase	Prior Expend.																						
Project Limits (Length): Black Lake-Belmore Rd SW over Black Lake Ditch Funding Detail: Est. Total Cost: \$2,800,000 Fully Funded: No Other Project Information: CP #: 77175 Comm. Dist. 3 Priority Group: BR Ranking: 23 TCCP Transportation Goals: 1, 2, 4 and 5 Project Elements: A, B, D, M Improvement Type: 14 Enviro. Type: DCE					PLAN	75	40	CRF																40				
					ENG	0	80	CRF				100	CRF													180		
					ROW	0																				0		
					CON	0						2500	REET													2500		
					Total	75	120		0		0	0	2600		0		0	0			0		0	0	0	0	0	
					120				2600				0				0											
Project Description:					Construct a timber pile embankment to support roadway and bridge approach slabs from future settlement.																							

					2022				2023								2024				2025-2027				2022-2027 Total		
Project Title					Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's									
Map B ID # 24					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other						
Steilacoom Rd Improvements Phase 1 (Pacific Ave NE to SR 510)					Project Phase	Prior Expend.																					
Project Limits (Length): Steilacoom Rd SE, Pacific Ave SE to SR 510 Funding Detail: Est. Total Cost: \$3,000,000 Fully Funded: No Other Project Information: CP #: 61461 Comm. Dist. 2 Priority Group: PB Ranking: 24 TCCP Transportation Goals: 1, 2, 3 and 4 Project Elements: A, B, D, F, G Improvement Type: 03 Enviro. Type: DCE					PLAN	537																		0			
					ENG	0														50	CRF					50	
					ROW	19																				0	
					CON	0																				0	
					Total	556	0		0		0	0	0	0		0	0	0	0		50		0	0	0	0	
					0				0				0				50										
Project Description:					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.																						

6-year project list

			2022				2023					2024				2025-2027				2022-2027								
Project Title			Map	C	ID #	25	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total		
Old Hwy 9 & Old Hwy 99									Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other			
Project Limits (Length): Old Hwy 9 SW and Old Hwy 99 SW Intersection Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: TBD Comm. Dist. 3 Priority Group: CAP Ranking: 25 TCCP Transportation Goals: 1, 2, 3 and 5 Project Elements: I Improvement Type: 03 Enviro. Type: DCE			PLAN	0	150	CRF											150										150	
			ENG	0															0									0
			ROW	0															0									0
			CON	0															0									0
			Total	-	150	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0	0	150
Project Description: Pre-design study to determine future intersection improvements at the intersection of Old Hwy 9 and Old Hwy 99.																												

			2022				2023					2024				2025-2027				2022-2027						
Project Title Map C ID # 26 183rd Ave Phase 1 - (US 12 to Sargent Rd)			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total				
					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other					
Project Limits (Length): 183rd Ave SW, US 12 to Sargent Rd SW Funding Detail: Est. Total Cost: \$2,800,000 Fully Funded: No Other Project Information: CP #: 61348 Comm. Dist. 3 Priority Group: HSIP, PRSV Ranking: 26 TCCP Transportation Goals: 1, 2, 3, 4 and 5 Project Elements: A, C, S, T, U Improvement Type: 03 Enviro. Type: DCE			PLAN	0	10	CRF		90	RAP													100				
			ENG	0						15	CRF		135	RAP		8	CRF		72	RAP				230		
			ROW	0						50	CRF					250	CRF							300		
			CON	0												48	CRF		429	RAP	173	CRF		1465	RAP	2115
			Total	-	10	0	90	0	65	0	135	0	306	0	501	0	173	0	1465	0					2745	
					100				200				300	807				1638				2745				
Project Description: Widen and rehabilitate pavement, pave and widen shoulders, remove obstructions in the clear zone and replace bridge approach guardrail.																										

			2022				2023					2024				2025-2027				2022-2027 Total			
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's					
Map B ID # 27					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other		
Yelm Hwy and Spurgeon Crk Rd SE Intersection Improvements Project Limits (Length): Yelm Hwy SE and Spurgeon Creek Rd SE Intersection Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: 61525 Comm. Dist. 1 Priority Group: CAP, HSIP Ranking: 27 TCCP Transportation Goals: 1, 3, 4 and 5 Project Elements: R Improvement Type: 03 Enviro. Type: DCE			PLAN	128												50					50		
			ENG	0																		0	
			ROW	0																		0	
			CON	0																		0	
			Total	128	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0		50
							0				0				0				50				50
Project Description: Conduct a traffic alternatives study to determine future intersection improvements at the intersection of Yelm Hwy and Spurgeon Creek Rd.																							

6-year project list

			2022				2023				2024				2025-2027				2022-2027 Total	
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's					
Map B ID # 29					Local	Federal	State	Other		Local	Federal	State	Other		Local	Federal	State	Other		
Yelm Hwy SE and Pacific Ave Ped Improvements Phase 2			PLAN	0															0	
Project Limits (Length): Yelm Hwy SE, Rich Rd SE to Lacey City Limits			ENG	0															0	
Funding Detail: Est. Total Cost: \$1,000,000 Fully Funded: No			ROW	0															0	
Other Project Information: CP #: 61535 Comm. Dist. 2 Priority Group: PB Ranking: 29			CON	0										205 CRF 819 SP	10 CRF				1034	
TCCP Transportation Goals: 1, 2 and 3			Total	-	0	0	0	0	0	0	0	0	0	205	819	0	0	10	0	1034
Project Elements: F, G, L			0				0				1024				10				1034	
Improvement Type: 28 Enviro. Type: DCE			Project Description: Construct ADA accessible crossings through the installation of pedestrian refuge islands, by improving curb ramps and improving sidewalks.																	

			2022				2023				2024				2025-2027				2022-2027 Total	
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's					
Map C ID # 30					Local	Federal	State	Other		Local	Federal	State	Other		Local	Federal	State	Other		
Elderberry St SW Upgrade (US 12 to 196th Ave)			PLAN	0					150 CRF					150					150	
Project Limits (Length): Elderberry St SW, US 12 to 196th Ave SW			ENG	0										0					0	
Funding Detail: Est. Total Cost: TBD Fully Funded: No			ROW	0										0					0	
Other Project Information: CP #: 61520 Comm. Dist. 3 Priority Group: CAP Ranking: 30			CON	0										0					0	
TCCP Transportation Goals: 1, 2, 4 and 5			Total	-	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0	150
Project Elements: R			0				150				0				0					150
Improvement Type: 03 Enviro. Type: DCE			Project Description: Conduct a traffic alternative study to determine intersection improvements and upgrades to the existing roadway and pedestrian/bicycle facilities.																	

			2022				2023				2024				2025-2027				2022-2027 Total	
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's					
Map C ID # 31 (South)					Local	Federal	State	Other		Local	Federal	State	Other		Local	Federal	State	Other		
Sargent RD SW - US 12 to Old Hwy 99 SW Grand Mound UGA Improvements)			PLAN	350					0					0					0	
Project Limits (Length): Sargent Rd SW, Old Hwy 99 S to US 12			ENG	0	100	TIF			100					100					100	
Funding Detail: Est. Total Cost: \$4,000,000 Fully Funded: No			ROW	0					0					0					0	
Other Project Information: CP #: 61507 Comm. Dist. 3 Priority Group: CAP Ranking: 31			CON	0					0					0					0	
TCCP Transportation Goals: 1, 2 and 3			Total	350	100	0	0	0	100	0	0	0	0	100	0	0	0	0	100	
Project Elements: A, B, D, F, G, H, J, K, L, T			100				0				0				0					100
Improvement Type: 03 Enviro. Type: DCE			Project Description: Widen and rehabilitate existing roadway, construct urban improvements such as lighting, sidewalks and bike lanes.																	

6-year project list

			2022				2023				2024				2025-2027				2022-2027 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	ID #		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Pleasant Glade Elementary Pedestrian Improvements	PLAN	0																	0
	ENG	0													50	CRF			50
	ROW	0																	0
	CON	0																	0
	Total	-	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0
	0				0				0				50				50		
Improvement Type: 28			Enviro. Type: DCE			Project Description: Construct new sidewalk, ADA ramps and other features that will improve safety concerns for children who walk to school.													

			2022				2023				2024				2025-2027				2022-2027 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	ID #		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Old Hwy 99 Rural Capacity Project (US 12 to S UGA Boundary)	PLAN	0													50				50
	ENG	0																	0
	ROW	0																	0
	CON	0																	0
	Total	-	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0
	0				0				0				50				50		
Improvement Type: 03			Enviro. Type: DCE			Project Description: Construct a travel lane in each direction with turn lanes or medians. Other improvements will include shared use paths, sidewalks, midblock crossings, street lights and bike lanes.													

			2022				2023				2024				2025-2027				2022-2027 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	ID #		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Rich RD SE - Rixie RD SE to Yelm HWY SE	PLAN	0					50	CRF											50
	ENG	0																	0
	ROW	0																	0
	CON	0																	0
	Total	-	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0
	0				50				0				0				50		
Improvement Type: 03			Enviro. Type: DCE			Project Description: Conduct a traffic alternatives study to determine capacity upgrades to the existing Rich Rd corridor.													

6-year project list

			2022				2023					2024				2025-2027				2022-		
Project Title			Project Phase	Prior Expnd.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2027 Total
Map	C	ID #			Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Rochester - Grand Mound Trail Feasibility Study Project Limits (Length): East/West corridor, Grand Mound to Rochester Funding Detail: Est. Total Cost: \$150,000 Fully Funded: No Other Project Information: CP #: 61527 Comm. Dist. 3 Priority Group: PB Ranking: 35 TCCP Transportation Goals: 1, 2 and 3 Project Elements: R Improvement Type: 18 Enviro. Type: N/A			PLAN	51	17	CRF	106	STBG													123	
			ENG	0																		0
			ROW	0																		0
			CON	0																		0
			Total	51	17		106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
							123				0				0				0			
Project Description:			Study to examine potential trail connections between Rochester and Grand Mound as the next step outlined in the 2007 Regional Trails Plan.																			

			2022				2023				2024				2025-2027				2022-2027 Total			
Project Title			Project Phase	Prior Expnd.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Map B ID # 36					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Project Limits (Length): Draham St SE, 0.1 mile S of 20th Ln NE Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: 63016 Comm. Dist. 1, 2 Priority Group: FP Ranking: 36 TCCP Transportation Goals: 1, 2, 4 and 5 Project Elements: A, B, D, S			PLAN	165																0		
			ENG	0				205	DEV				11	DEV							216	
			ROW	0																	0	
			CON	0																	0	
			Total	165	0	0	0	205	0	0	0	11		0	0	0	0	0	0	0		216
							205				11				0				0			
Improvement Type: 08 Enviro. Type: DCE			Project Description: This project will be for the removal of a fish passage barrier along Woodland Creek at the crossing of Draham Street NE. The existing 9.5-foot culvert is considered a barrier to fish and will need to be replaced to enhance fish passage.																			

			2022				2023					2024				2025-2027						
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total
Map B ID # 38					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Pacific AVE SE/Steilacoom RD SE/Union Mills RD SE Intersection Improvements																						
Project Limits (Length): Pacific Ave SE at Steilacoom Rd SE and Union Mills Rd SE Intersections			PLAN	0	150	CRF						150								150		
Funding Detail: Est. Total Cost: TBD Fully Funded: No			ENG	0								0								0		
Other Project Information: CP #: TBD Comm. Dist. 2			ROW	0								0								0		
Priority Group: CAP, HISP Ranking: 38			CON	0								0								0		
TCCP Transportation Goals: 1, 2, 3 and 5																						
Project Elements: R			Total	-	150		0	0	0	0	0	150	0	0	0	0	0	0	0	150		
Improvement Type: 03					150			0					0			0						
Enviro. Type: DCE			Project Description: Conduct a traffic alternatives study to determine future intersection improvements at the intersections of Pacific Ave at Steilacoom Rd and Union Mills Rd.																			

6-year project list

			2022				2023					2024				2025-2027				2022-2027 Total				
Project Title 113th Ave SE (SR 121/Tilley Rd S to McCorkle Rd SE)			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 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		
Project Limits (Length): 113th Ave SE, Tilley Rd S to McCorkle Rd SE			PLAN	0									0					10	CRF					10
Funding Detail: Est. Total Cost: \$2,000,000 Fully Funded: No			ENG	0									0											0
Other Project Information: CP #: TBD Comm. Dist. 2			ROW	0									0											0
Priority Group: CAP, HISP Ranking: 39																								
TCCP Transportation Goals: 1, 2, 3 and 4			CON	0									0											0
Project Elements: A, B, D, F, G, H			Total	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0
Improvement Type: 03 Enviro. Type: DCE					0				0					0				10					10	
Project Description:			Widen/rehabilitate pavement, construct bicycle lanes and sidewalks, improve drainage, lighting and pedestrian safety. Incorporates sustainable features such as rain gardens.																					

			2022				2023					2024				2025-2027				2022-2027 Total		
Project Title Map C ID # 40 McCorkle Rd SE (113th Ave SE to Old Hwy 99)			Project Phase	Prior Expnd.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 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
Project Limits (Length): McCorkle Rd SE, 113th Ave SE and Old Hwy 99 Funding Detail: Est. Total Cost: \$2,000,000 Fully Funded: No Other Project Information: CP #: TBD Comm. Dist. 2 Priority Group: HSIP, CAP, PB Ranking: 40 TCCP Transportation Goals: 1, 2, 3 and 4 Project Elements: A, B, D, F, G, H Improvement Type: 03 Enviro. Type: DCE			PLAN	0												10	CRF				10	
			ENG	0																		0
			ROW	0																		0
			CON	0																		0
			Total	-	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0
			0				0					0				10					10	
Project Description:			Widen/rehabilitate pavement, construct bicycle lanes and sidewalks, improve drainage, lighting and pedestrian safety. Incorporates sustainable features such as rain gardens.																			

			2022				2023					2024				2025-2027				2022-				
Project Title			Project	Prior	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 -	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2027		
Map B ID # 41			Phase	Expend.	Local	Federal	State	Other	Local	Federal	State	Other	2023 Total	Local	Federal	State	Other	Local	Federal	State	Other	Total		
Project Limits (Length): North/South Corridor, 58th Ave SE to Yelm Hwy SE Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: TBD Comm. Dist. 1, 2 Priority Group: CAP Ranking: 41 TCCP Transportation Goals: 2 and 5 Project Elements: R Improvement Type: 18 Enviro. Type: DCE			PLAN	25	25	CRF								25									25	
			ENG	0											0									0
			ROW	0											0									0
			CON	0											0									0
			Total	25	25	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	25
					25				0					0				0					25	
Project Description: Study to examine potential extensions of Marvin Rd between 58th Ave SE and Yelm Hwy SE.																								

6-year project list

					2022				2023				2024				2025-2027				2022-2027 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	ID #			Local			Federal	State	Other	Local	Federal	State	Other	2022 - 2023 Total	Local	Federal	State	Other	Local	Federal		State	Other
Steamboat Island RD Bridge Rail and Pile Cap Repair																							
Project Limits (Length): Steamboat Island Rd NW over Puget Sound					PLAN	11							0									0	
Funding Detail: Est. Total Cost: \$300,000 Fully Funded: No					ENG	0	20	CRF					20									20	
Other Project Information: CP #: 98012 Comm. Dist. 3					ROW	0							0									0	
Priority Group: BR Ranking: 42					CON	0	230	CRF				10	CRF									240	
TCCP Transportation Goals: 1, 2, 4 and 5					Total	11	250		0	0	0	0	240	0	0	0	0	0	0	0	0	0	260
Project Elements: M							250				10						0						260
Improvement Type: 14 Enviro. Type: DCE					Project Description: Replace guardrail and rehab pile caps.																		

					2022				2023				2024				2025-2027				2022-2027 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	ID #			Local			Federal	State	Other	Local	Federal	State	Other	2022 - 2023 Total	Local	Federal	State	Other	Local	Federal		State	Other
Old Pacific HWY/Kuhlman RD Intersection Improvements																							
Project Limits (Length): Old Pacific Hwy SE and Kuhlman Rd SE Intersection					PLAN	0					150	CRF		150								150	
Funding Detail: Est. Total Cost: TBD Fully Funded: No					ENG	0							0									0	
Other Project Information: CP #: TBD Comm. Dist. 2					ROW	0							0									0	
Priority Group: CAP Ranking: 43					CON	0							0									0	
TCCP Transportation Goals: 1, 3, 4 and 5					Total	-	0	0	0	0	150	0	150	0	0	0	0	0	0	0	0	0	150
Project Elements: R							0				150						0						150
Improvement Type: 03 Enviro. Type: DCE					Project Description: Conduct a traffic alternatives study to determine intersection improvements at Old Pacific Hwy and Kuhlman Rd.																		

					2022				2023				2024				2025-2027				2022-2027 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	ID #			Local			Federal	State	Other	Local	Federal	State	Other	2022 - 2023 Total	Local	Federal	State	Other	Local	Federal		State	Other
Carpenter Rd Barrier																							
Project Limits (Length): Carpenter Rd SE, Pacific Ave SE to Martin Way E					PLAN	0							0									0	
Funding Detail: Est. Total Cost: \$200,000 Fully Funded: Yes					ENG	0							0									0	
Other Project Information: CP #: 77172 Comm. Dist. 2					ROW	0							0									0	
Priority Group: HSIP Ranking: 44					CON	0	10	CRF					10									10	
TCCP Transportation Goals: 1 and 3					Total	-	10		0	0	0	10	10	0	0	0	0	0	0	0	0	0	10
Project Elements: A, G, S							10				0						0						10
Improvement Type: 21 Enviro. Type: DCE					Project Description: Replace aluminum pedestrian rail with a cast concrete barrier.																		

6-year project list

					2022				2023					2024				2025-2027				2022-			
Project Title			Map	C	ID # 45	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2027 Total				
Rochester Main Street Improvements (US12)					Local			Federal	State	Other	Local		Federal	State	Other	Local	Federal	State	Other						
Project Limits (Length): US 12, West of Albany (IGA) to 183rd Ave SW Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: TBD Comm. Dist. 3 Priority Group: CAP, PB Ranking: 45 TCCP Transportation Goals: 1, 2, 3 and 5 Project Elements: A, B, D, G, K, L, P Improvement Type: 03 Enviro. Type: DCE						PLAN	0											50	CRF				50		
						ENG	0																		0
						ROW	0																		0
						CON	0																		0
						Total	-			0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0
								0				0					0				50				50
						Project Description: Reconstruct roadway to provide 2 to 3 lanes with intersection improvements, bike lanes, pedestrian refuge islands, planter strips, medians, sidewalks, lighting and drainage.																			

					2022				2023					2024				2025-2027				2022-				
Project Title			Map	N/A	ID # 46	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2027 Total					
Local Road Safety Plan					Local			Federal	State	Other	Local		Federal	State	Other	Local	Federal	State	Other							
Project Limits (Length): Countywide Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: TBD Comm. Dist. 1, 2, 3 Priority Group: HSIP Ranking: 46 TCCP Transportation Goals: 1 and 2 Project Elements: R Improvement Type: 18 Enviro. Type: N/A						PLAN	0								0	20	CRF			20	CRF			40		
						ENG	0																			0
						ROW	0																			0
						CON	0																			0
						Total	-			0	0	0	0	0	0	0	0	0	0	20	0	0	0	20	0	0
								0				0					20				20				40	
						Project Description: Reconstruct roadway to provide 2 to 3 lanes with intersection improvements, bike lanes, pedestrian refuge islands, planter strips, medians, sidewalks, lighting and drainage.																				

					2022				2023					2024				2025-2027				2022-				
Project Title			Map	N/A	ID # 47	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2027 Total					
Trail Enhancement Study (HSIP)					Local			Federal	State	Other	Local		Federal	State	Other	Local	Federal	State	Other							
Project Limits (Length): Countywide Funding Detail: Est. Total Cost: TBD Fully Funded: No Other Project Information: CP #: 61543 Comm. Dist. 1, 2, 3 Priority Group: HSIP, PB Ranking: 47 TCCP Transportation Goals: 1, 2 and 3 Project Elements: R Improvement Type: 18 Enviro. Type: N/A						PLAN	0						18	CRF	182	HSIP								200		
						ENG	0																			0
						ROW	0																			0
						CON	0																			0
						Total	-			0	0	0	0	18	182	0	0	200	0	0	0	0	0	0	0	0
								0				200					0				0				200	
						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

			2022				2023					2024				2025-2027				2022-2027						
Project Title			Map	N/A	ID #	48	Project Phase	Prior Expend.	Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total				
Countywide Electrical Services Project (HSIP)								Local	Federal	State	Other		Local	Federal	State	Other		Local	Federal	State	Other					
Project Limits (Length): Countywide Funding Detail: Est. Total Cost: \$1,600,000 Fully Funded: No Other Project Information: CP #: TBD Comm. Dist. 1, 2, 3 Priority Group: HSIP Ranking: 48 TCCP Transportation Goals: 1 and 2 Project Elements: H, K Improvement Type: 21 Enviro. Type: DCE			PLAN	0	2	CRF	23	HSIP					25										25			
			ENG	0	6	CRF	53	HSIP				10	CRF	90	HSIP									225		
			ROW	0										0										0		
			CON	0										0	90	CRF	810	HSIP			45	CRF	405	HSIP	1350	
			Total	-	8		76		0		0	10	90	0	0	184	97		869		0	0	45		405	
							84				100				966				450				1600			
Project Description: Provide street lighting and channelization improvements at several locations throughout the county.																										

			2022				2023					2024				2025-2027								
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total		
Map B ID # 49					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other			
Project Limits (Length): Martin Way and Carpenter Rd, north of Martin Way Funding Detail: Est. Total Cost: \$350,000 Fully Funded: No Other Project Information: CP #: 61544 Comm. Dist. 1, 2, 3 Priority Group: PB Ranking: 49 TCCP Transportation Goals: 1, 2 and 3 Project Elements: F, G Improvement Type: 28 Enviro. Type: DCE			PLAN	0																		0		
			ENG	0	70	REET																		70
			ROW	0	20	REET																		20
			CON	0	260	REET																		260
			Total	-	350	0	0	0	0	0	0	0	350	0	0	0	0	0	0	0	0	0	0	350
			350				0					0				0								
Project Description: The project includes installaing an ADA compliant sidewalk from the Martin Way bus stop next to Carpenter Rd., to the site of the new Regional Transition Center, north on Carpenter Rd.																								

			2022				2023					2024				2025-2027						
Project Title			Project Phase	Prior Expend.	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022 - 2023 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				2022-2027 Total
Map A ID # 50					Local	Federal	State	Other	Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	
Country Club Road NW at Green Cove Creek Culvert Replacement Project Limits (Length): County Club Rd NW, 0.43 mile W of Cooper Point Rd Funding Detail: Est. Total Cost: \$4,500,000 Fully Funded: No Other Project Information: CP #:63023 Comm. Dist. 3 Priority Group: CLVT, FP Ranking: 50 TCCP Transportation Goals: 1, 2 and 4 Project Elements: A, B, D, L, S Improvement Type: 08, 21 Enviro. Type: DCE			PLAN	0									0								0	
			ENG	0										0								0
			ROW	0										0								0
			CON	0										0	4000	REET						4000
			Total	-	0	0	0	0	0	0	0	0	0	0	4000	0	0	0	0	0	0	4000
							0				0				0	4000				0		
Project Description:			Replace a failing, undersized culvert with a structure that meets current fish passage requirements and repairs to the road required by the culvert replacement. The 2022-2023 budget allocation is listed under the Fish Passage Program																			

6-year program list

		2022					2023				2024				2025-2027				2022-2027 Total
County Program Title	Project Phase	Revenue Sources in \$1,000's				2022 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Americans with Disabilities Act (ADA) Program		Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Program Limits (Length): Countywide Other Project Information: CP #: 64000 Comm. Dist. 1, 2, 3 Priority Group: ADA TCCP Transportation Goals: 3 Program Elements B, F, G, K, L Improvement Type: 28 Enviro. Type: DCE	PLAN	50	CRF			50													50
	ENG					0													0
	ROW					0													0
	CON				308	DEV	50	CRF			50	CRF			150	CRF			558
	Total	50	0	0	308	358	50	0	0	0	50	0	0	0	150	0	0	0	608
Program Description: This program prioritizes and performs curb ramp and sidewalk improvments to align with the Americans with Disabilities Act (ADA).																			

		2022					2023				2024				2025-2027				2022-2027 Total
County Program Title	Project Phase	Revenue Sources in \$1,000's				2022 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Fish Passage Enhancement Program		Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Program Limits (Length): Countywide Other Project Information: CP #: 63006 Comm. Dist. 1, 2, 3 Priority Group: FP TCCP Transportation Goals: 1, 2, 4 and 5 Program Elements A, B, D, S Improvement Type: 08 Enviro. Type: DCE	PLAN	252	REET			252													252
	ENG	325	REET			325													325
	ROW					0													0
	CON	895	REET			895	2000	REET			2000	REET			6000	REET			10895
	Total	1472	0	0	0	1472	2000	0	0	0	2000	0	0	0	6000	0	0	0	11472
Program Description: This program is for the identification of dedicated projects that improve fish passage conditions, including habitat restoration and removal of fish passage barriers. \$350,000 (\$300,000 ENG, \$50,000 ROW) allocated to <i>Country Club Road at Green Cove Creek Culvert Replacement</i> , ENG and CON funds allocated for <i>Houston DR at Houston Creek Fish Passage</i> and <i>Littlerock Rd SW Culvert Replacement (nesr Sargent Road SW)</i> , remaining allocation is for program planning.																			

		2022					2023				2024				2025-2027				2022-2027 Total
County Program Title	Project Phase	Revenue Sources in \$1,000's				2022 Total	Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				Revenue Sources in \$1,000's				
Road Preservation & Rehabilitation Program		Local	Federal	State	Other		Local	Federal	State	Other	Local	Federal	State	Other	Local	Federal	State	Other	
Program Limits (Length): Countywide Other Project Information: CP #: TBD Comm. Dist. 1, 2, 3 Priority Group: PRSV TCCP Transportation Goals: 1, 4 and 5 Program Elements A, B, C, D, G, L Improvement Type: 05/06 Enviro. Type: DCE	PLAN					0													0
	ENG	50	CRF			50	50	CRF			50	CRF			150	CRF			300
	ROW					0													0
	CON	3150	CRF			3150	2850	CRF			4450	CRF			14350	CRF			32800
	Total	3200	0	0	0	3200	3900	0	0	0	6000	0	0	0	20000	0	0	0	33100
Program Description: 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
Program Limits (Length): Countywide
Other Project Information: Priority Group: PB Comm. Dist. 1, 2, 3
TCCP Transportation Goals: 1, 3
Program Elements A, B, F, G, K, L, P
Improvement Type: 28 Enviro. Type: DCE
Program Description: This program prioritiezes and performs projects that seek to improve conditions fo biking and walking, and to protect and preserve community environment and character.

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

County Program Title
Bridge Program
Program Limits (Length): Countywide
Other Project Information: Priority Group: BR Comm. Dist. 1, 2, 3
TCCP Transportation Goals: 1
Program Elements: A, B, D, F, G, H, K, L, M, R, S, T
Improvement Type: 08-14 Enviro. Type: DCE
Program Description: This program prioritiezes 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
Program Limits (Length): Countywide
Other Project Information: Priority Group: HSIP Comm. Dist. 1, 2, 3
TCCP Transportation Goals: 1, 3
Program Elements A, H, K, L, R, S, T, U
Improvement Type: 21 Enviro. Type: DCE
Program Description: This program prioritiezes and performs projects that seek to align with the Washington Sate Target Zero plan, to reduce fatal and serious injury collisions to zero by the year 2030. Improvements include signing, pavement makrings, guardrails, grading, lighting, studies and data collection.

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

County Program Title
Roadway Capacity Program
Program Limits (Length): Countywide
Other Project Information: Priority Group: CAP Comm. Dist. 1, 2, 3
TCCP Transportation Goals: 1, 3, 4
Program Elements: A, B, D, F, G, H, K, L, S, T, U
Improvement Type: 08-14 Enviro. Type: DCE
Program Description: This program prioritiezes and performs projects that seek to accomodate 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 2022-2041 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 Traffic 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.



2022-2041 Capacity Project List (20-year transportation plan)

Project Location	Project Description	Total Cost (2021 estimates)
Meridian Rd NE Martin Way E to Interstate 5	Widen to 2-3 lanes, urban improvements, shoulders.	\$2,500,000
Pacific Ave SE 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
Yelm Hwy SE & Meridian Rd SE Intersection Improvements	Install roundabout at intersection.	\$3,500,000
Marvin Rd SE Pacific Ave SE/SR 510 to Mullen Rd SE	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$20,000,000
Steilacoom Rd SE Pacific Ave SE to Dutterow Rd SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$20,000,000
Mullen Rd SE Timberline High School to Marvin Rd SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$20,000,000
Yelm Hwy SE 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
Carpenter Rd NE Martin Way E to 1,300 ft North of Martin Way E	Widen to 2-3 lanes, shoulders and urban improvements.	\$1,500,000
Old Pacific Hwy SE Reservation Rd SE to Nisqually River Bridge	Widen to 2-3 lanes, shoulders and urban improvements.	\$8,000,000
McCorkle Rd SE from 113th Ave SE to Old Hwy 99 SE and 113th Ave SE from SR 121 for McCorkle Rd SE	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary	\$5,000,000
Rich Rd SE Deschutes River to Normandy Rd SE	Rural Mobility Improvements include widening, geometrics, shoulders, turn lanes if necessary and bridge over Scatter Creek	\$6,372,219
Rich Rd SE Rixie Rd SE to Yelm Hwy SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$4,500,000
Yelm Hwy SE Capacity Project 5 Orvas Ct SE to Rich Rd SE	Widen to 4-5 lanes, access management, and urban improvements.	\$19,226,223
Old Hwy 99 SE Rich Rd SE to 500 ft South of Silverspot Dr SE	Widen to 2-3 lanes, shoulders and urban improvements.	\$2,500,000

2022-2041 Capacity Project List (20-year transportation plan)

Project Location	Project Description	Total Cost (2021 estimates)
Rainier Rd SE at Fir Tree Rd SE Intersection	Widen to 2-3 lanes, shoulders and intersection improvements.	\$5,000,000
Elderberry Rd SW US 12 to 196th Ave SW	Widen to 3 lanes, urban improvements, access management, intersection improvements at 196 th and US 12.	\$3,000,000
Old Highway 99 S & Tilley Rd S Intersection	Provide left turn lane on EB Old Hwy 99 and provide illumination, rural mobility improvements, potentially a roundabout.	\$1,500,000
Albany St SW James Rd SW to Littlerock Rd SW	Rural mobility improvements include widening, geometrics, shoulders, and turn lanes if necessary sidewalks.	\$2,500,000
183rd Ave SW Old Hwy 99 SW to SR 12	Rural mobility improvements include widening, geometrics, shoulders, intersection improvements, and turn lanes if necessary.	\$4,000,000
US 12 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
North Grand Mound UGA Improvements 196th Ave SW Sargent Rd SW to Elderberry St SW	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$10,020,000
South Grand Mound UGA Improvements Sargent Rd SW US 12 to Old Hwy 99 SW	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$2,930,000
US 12 & Elderberry/Old Hwy 99	Improve pedestrian right-of-way to decrease crossing times; implement a right-turn overlap phase for the NB approach.	\$200,000
Old Hwy 99 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
Old Hwy 99 at Intersections of Sargent Rd and 201st Ave	Combine the Sargent Road and 201st intersections with Old Highway 99 with a roundabout.	\$3,480,000
Old Hwy 9 & Old Hwy 99	Construct a traffic signal or roundabout at the intersection.	\$1,680,000
15th Ave NE & Draham St NE 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
Johnson Pt Rd NE & Hawks Prairie Rd NE Intersection Improvements	Intersection improvements.	\$4,000,000

2022-2041 Capacity Project List (20-year transportation plan)

Project Location	Project Description	Total Cost (2021 estimates)
South Bay Rd NE 33rd Lane NE to Chehalis Western Trail	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$6,000,000
Marvin Road NE & 56th Ave NE Intersection	Widen to 2-3 lanes, shoulders and intersection improvements.	\$3,000,000
Delphi Rd SW 62nd Ave SW to SR 101	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes and if necessary	\$10,000,000
Mud Bay Rd NW & Evergreen Pkwy NW Intersection	Intersection improvements at Evergreen Pkwy ramps and Mud Bay Rd.	\$2,500,000
Sexton Dr NW Steamboat Island Rd NW to 32nd Ave NW	Widen to 2-3 lanes, intersection modifications and urban improvements.	\$250,000
Bald Hill Rd SE Smith Prairie SE to Clear Lake Rd SE	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary.	\$10,000,000
153rd Ave SE and Vail Rd SE Intersection Improvements	Intersection improvements	\$2,000,000
Littlerock Rd & 113th Ave. SW Bridge and Intersection Improvements	Install left turn lane, lighting, replace Bridge L-5, realignment of 113th Ave SE.	\$3,500,000
Vail Rd Phase 2 153rd to 138th	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary	\$2,800,000
Vail Rd 138th to Bald Hill Rd	Rural Mobility Improvements include widening, geometrics, shoulders, and turn lanes if necessary	\$960,338

Chapter 8

2021 Annual Bridge Report

Introduction

Washington Administrative Code (WAC) 136-20-060, requires all county engineers in Washington state to submit a written report of bridge inspection efforts and findings to their overseeing legislative body. 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 include information to the board on deficient bridges during the preparation of the plan.

This report summarizes the county’s 2020-2021 bridge program.

The three main goals of the bridge program are:

- Keep bridges open and safe for public use.
- Preserve bridge infrastructure by publishing an annual bridge report containing the history of inspections and evaluations of each structure’s condition. This data can be used to maximize the useful life of bridges through active maintenance and rehabilitation.
- 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 2022 and 2023.

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

Scott Lindblom

P.E., County Engineer

Matt Unzelman

P.E., Traffic Engineering and Operations Manager

Shawn Brandt

Inspection Team Leader

Maintenance

Lucy Mills

Road Operations Manager

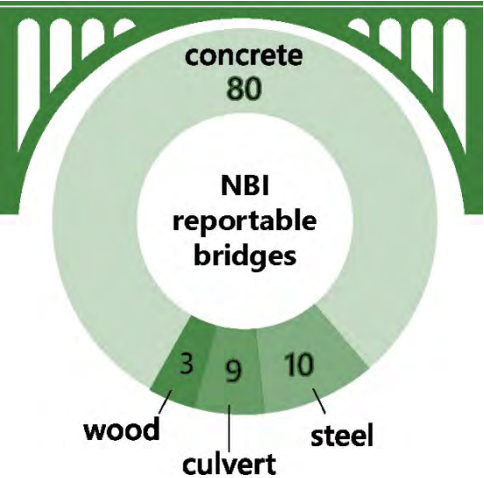
Inventory

Public Works has 144 county owned bridges in its bridge inventory. Six (6) bridges have been added to the bridge inventory, three were added from the Fish Passage Culvert Program, and three were large culverts added as short span bridges. Two of these six bridges qualify as NBI reportable bridges. 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 (5) bridges owned and operated by railroads and one (1) owned and operated by the Chehalis Indian Tribe require safety inspections since they cross over a county road per the Washington State Bridge Inspection Manual.

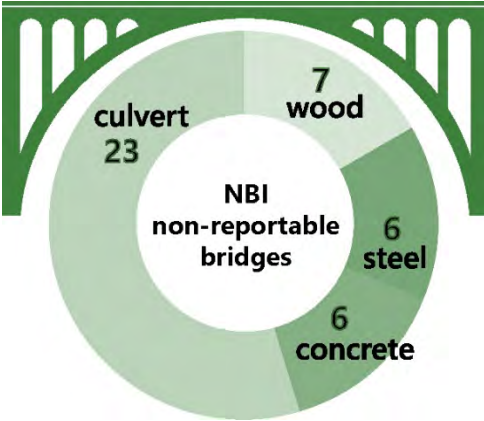
Six (6) bridges on the Chehalis Western Trail, four (4) bridges on the Yelm-Tenino Trail and two (2) bridges on the Gate Belmore Trail are included in the bridge inventory. Public Works is working towards incorporating other trail bridges into its inventory.

Thurston County Public Works inspects 102 National Bridge Inventory (NBI) reportable bridges which



are categorized by superstructure material type. A bridge must be greater than 20' to be NBI reportable

Thurston County Public Works inspects 42 NBI non-reportable bridges which are categorized by superstructure below. These bridges are non-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.

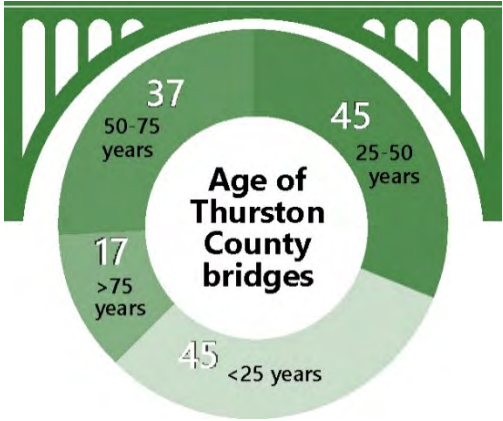
A total of 86 routine bridge inspections were performed in 2020. Bridge inspectors evaluated bridge conditions and documented observable defects. If necessary, inspectors created repair work orders, coordinated with road operations crews to complete the work and then performed follow up inspections once 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.

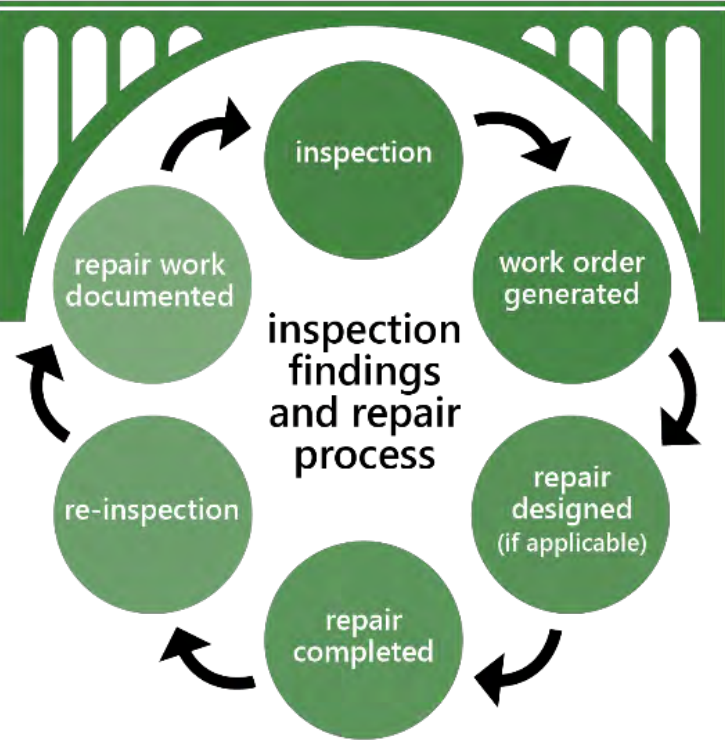
Several times each year, updated inspection reports are forwarded to the Washington

State Department of Transportation (WSDOT) Local Programs which verify compliance with the NBIS and reports to the Federal Highway Administration (FHWA). More frequent inspections and evaluations are completed on bridges determined to be 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 continue to increase due to the aging bridge inventory

Sixteen (17) bridges in the bridge inventory have exceeded their theoretical design life of 75 years. Ten (10) 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 Lit leroch 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 the McLane Delphi (MC-7), Nisqually Cutoff (N-1) 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). Notable weight restrictions include:

- Reeder Road Bridge (R-3) –The Reeder Rd Bridge has been replaced and staff will be making a recommendation to the BoCC to remove this restriction.
- Holmes Island Road Bridge (H-3) – Weight restriction will only affect vehicles with 4 or more axles carrying heavy loads. Everyday traffic will not be impacted.
- Yelm Highway Bridge (O-12) - Staff will be making a recommendation to the BoCC to weight restrict single unit vehicles with 5,6 or 7 axles to 30, 33 and 37 tons respectively.

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. Sixteen (16) bridges resulted in 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 bridges 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 20 functionally obsolete bridges.

Bridge Conditions				
Agency	Number of Bridges	Scour Critical	Functionally Obsolete (FO)	Structurally Deficient (SD)
Thurston County	144	16	20	1
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)

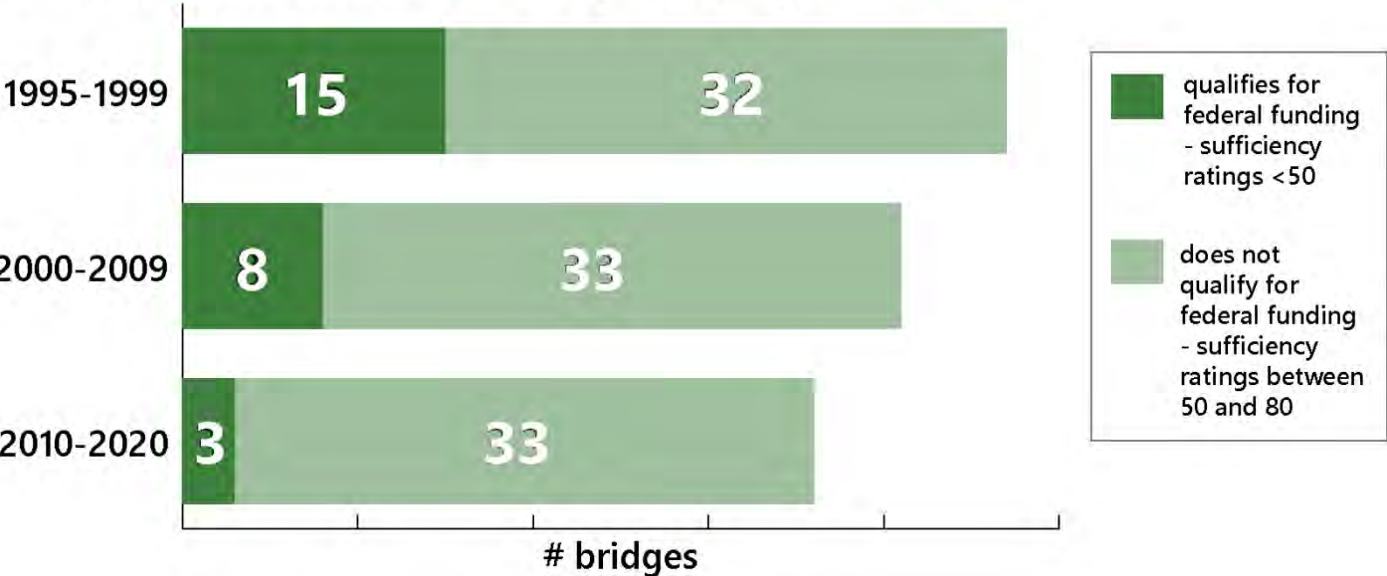
Structurally deficient means that a bridge requires repair or replacement of a certain component. These components include bridge foundations, superstructures and decks. Being structurally deficient does not imply that the bridge is in danger of collapse or unsafe to the traveling public.

The only Thurston County owned structurally deficient bridge is the Reeder Road Bridge (R-3). The bridge is weight restricted due to the condition of the railcar superstructure and foundation. A repair was completed in 2015 to allow vehicles up to 8 tons to cross the bridge.

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)

Comparison of average sufficiency ratings



Completed repairs

Repairs/maintenances are completed as needed or scheduled to keep our bridges safe. 2020 bridge repairs/maintenance included guardrail replacement, bridge cleaning, log jam removal, brush removal, fence replacement, approach repairs, beaver dam removal, paving and more.

Upcoming repairs

Several bridge repairs are planned for 2021. 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.

- **Upcoming Repair - Steamboat Island Rd Bridge (S-7)**
- This project is to repair cracking and prevent delamination or spalling in the pile caps of the S-7 Bridge. The repair for the S-7 Bridge includes repairing cracks using high pressure epoxy grouting techniques. The design, permitting and construction of this repair is expected in 2022.
- **Completed Repair - Nisqually Cutoff Bridge (N-1)** - A repair was completed to install/connect a steel beam to the existing pile cap to restore the carrying capacity of the bridge. A contractor completed this work for \$90,000.



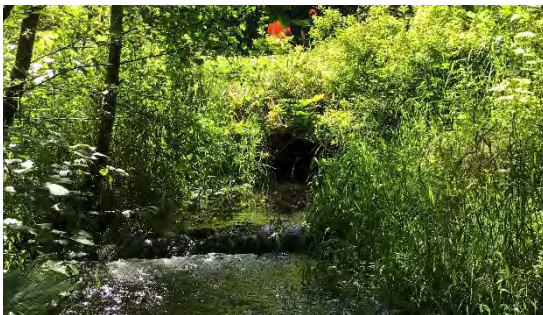
Planned bridge repairs in 2021		
Bridge	Repair	Approx. Cost
Benson Bridge (V-1)	Approach Repair	\$ 10,000
Multiple Bridges	Small Repairs	\$ 15,000
Multiple Bridges	Brush Removal	\$ 10,000
Multiple Bridges	Bridge Cleaning	\$ 10,000
Multiple Bridges	HMA Crack Seal	\$ 1,500
Benson Bridge (V-1), Old Hwy 99 (O-7)	Guardrail Damage Repair	\$10,000
Nisqually Cutoff Bridge	Pier Cap Repair	\$90,000

Completed construction

- **Deschutes River Trestle (YT-1)**
This project was a continuation of previous project to improve the life span of this timber trestle. This repair included replacing more than 20 of the existing timber piles beneath the bridge. This project was completed under Bid in the Fall of 2020.



- **Elbow Lake Creek Fish Passage (P-4)**
Image right, before construction. Image far right, after construction.



- **Salmon Creek Fish Passage (J-6)**
Image right, before construction. Image far right, after construction.



- **Beaver Creek Fish Passage (C-7)**
Image right, before construction. Image far right, after construction.



Recommended bridge replacement considerations

On-network bridges

For purposes of prioritizing individual projects, criteria is needed to reflect overall network and regional needs. Prioritization 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** – Is the deck geometry, load carrying capacity, clearance or approach roadway alignment reduce the bridges 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	9

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 was 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
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

2021 program goals

- 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 2022.
- Develop a long-term plan to obtain another lead certified bridge inspector.
- 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.
- Identify funding opportunities to for Tilley Road Bridge (T-2) replacement.

Bridge replacement priorities

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

Yelm Hwy Bridge (0-12)



With a sufficiency of 37.78 and a length of 183 feet it could be 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. This bridge 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, 26-foot total width, bridge a choking point for traffic. A Type, Size and Location report was completed for the project. 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.
- This report allows Public Works to be better positioned for future funding opportunities.

Tilley Road Bridge (T-2)



The Tilley Rd bridge (T-2) over Beaver Creek is functionally obsolete with a sufficiency rating of 62.22. This bridge accommodates more than 5,000 vehicles per day and is also used as an I-5 detour

route for major incidents on I-5 between Grand Mound and Maytown. The timber bridge components have significantly deteriorated and reached the end of their life span. This bridge is less than 20 feet long and is ineligible for Federal funding.

Public Works hired a consultant to complete a Type, Size and Location (TS&L) report for the bridge in order to determine the type of structure and preliminary cost for the replacement. This study is expected to be completed in 2021. Preliminary data from the study suggest that the bridge will be able to utilize shallow foundations. However, the road/bridge will need to be raised to meet permitting and flooding requirements. This will require the extensive use of retaining walls to minimize/avoid wetland impacts.

Little Rock Road Bridge (L-5)



This bridge does not qualify for federal replacement funding because it is shorter than 20 feet and has a sufficiency of more than 50. Other funding options

including local funding need to be considered for a replacement project. This bridge was built in the 1920’s and is susceptible to scour due to its shallow foundations that are suspected not to have any steel reinforcement.

This portion of Little Rock 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 to a combination of material washing away from beneath it and the suspected lack of steel reinforcement to support it.

A repair including pouring concrete in the area where material had washed away was completed in 2014 to stabilize it. The estimated cost to replace this bridge is \$1,500,000. The total project estimated cost is \$2,000,000 to include the roadway work at the nearby Little Rock Road and 113th Ave intersection.

Project design, environmental permitting and necessary right of way acquisition were completed for this project nearly 10 years ago. Staff will review the design, permits and cost estimates.

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	BEAVTRIB CULVERT	NONAME 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	XG110200	CASE RD FISH CULVERT	No name creeek	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	XG110201	CHURCHILL CULVERT	NO NAME CREEK	CHURCHILL RD SE	1960	10	0	282	91.34
CW-1	08827400	MARTINWAY PED CROSSING	MARTINWAY	CHEHALIS WEST TR	2010	182	14	24466	Trail
CW-2	08870900	PACIFIC AVE PED BRIDGE	PACIFIC AVE.	CHEHALIS WESTRN TR	2014	157	14	24185	Trail
CW-3	08879000	14 AVE PED TRESTLE	14th Ave SE	Chehalis Westrn 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
D-2	08104600	GOEBEL BRIDGE	SKOOKUMCHUCK RIVER	GOEBEL RD SE	1982	144	16	27	80.21
D-3	XG110203	DRAHAM CULVERT	WOODLAND CREEK	DRAHAM ST NE	1960	10	0	2749	98.58

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
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
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
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
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

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
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	LITTLEROCK ROAD	2014	77	41.5	6458	94.1
L-5	08341900	LITTLEROCK ROAD BRIDGE	BLOOM DITCH	LITTLEROCK ROAD	1924/1966	20	24.7	7927	76.96
L-6	0004057A	W. ULRY	CREEK	LITTLEROCK RD.	1951	60	26	3164	72.46
L-7	0004057B	W. ANDERSON	BEAVER CREEK	LITTLE ROCK RD	1951	137	26	3577	78.62
LC-1	08741900	LACKAMAS CREEK	LACKAMAS CREEK	BALD HILLS ROAD	2006	29	35.2	3480	95.04
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
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
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
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

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
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-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
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
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
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	XG110202	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-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

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S-14	08664100	STEILACOOM ROAD BRIDGE	HARTMAN CREEK	STEIACOOM ROAD	2001	29	30	1001	94.85
S-15	0014577B	SCHNEIDER CREEK CULVERT	SCHNEIDER CR	OLD HWY 101	1995	23	0	3915	99.63
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	ISMAY 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
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-10	08908900	TOBOTON CULVERT	Toboton Creek	Peissner Rd SE	2019	17	0	235	92.81
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
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
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

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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
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

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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

