

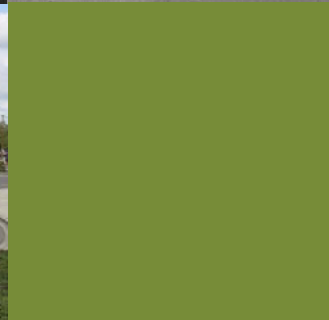
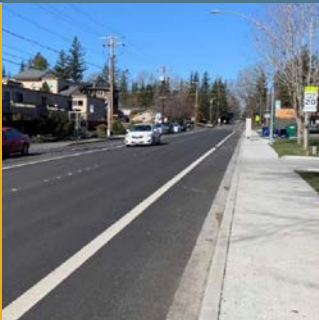
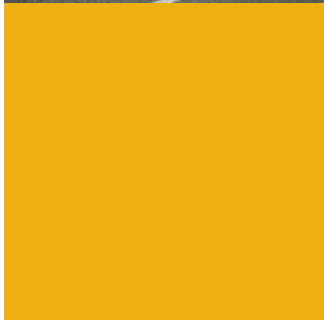
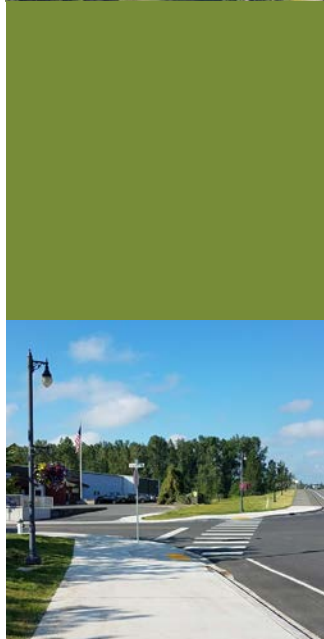


whatcom council of governments

2020

# Transportation Improvement Program

*Adopted October 10, 2019*



*Prepared by the Whatcom Council of Governments using funds contributed by member jurisdictions and grants from the Washington State Department of Transportation, the U.S. Department of Transportation Federal Highways and the Federal Transit Administration.*

Information provided in this Transportation Improvement Program (TIP) is gathered from member jurisdictions and is used to represent the region's projects in the Statewide Transportation Improvement Program (STIP). Qualifying transportation projects for the Whatcom County region include both MPO and non-MPO areas. This document also contains annual certifications required by federal law.

Whatcom Council of Governments  
314 East Champion Street  
Bellingham, WA 98225  
Phone: (360) 676-6974  
Email: [wcog@wcog.org](mailto:wcog@wcog.org)

# CONTENTS

2019 Membership of the Whatcom Council of Governments	Page iii
Executive Committee	iii
Council Board	iii
Whatcom Transportation Policy Board	iii
WTPB Resolution #2019-10-1	v
Metropolitan Planning Organization Boundary map	vii
Regional Transportation Planning Organization Boundary map	viii
Introduction	Page 1
Background	1
Metropolitan Planning Area	1
Regional Transportation Planning Organization	1
Purpose and Scope of the TIP	2
TIP Legislative Requirements	2
TIP Development Process	3
MPO and RTPO Roles and TIP Development	3
TIP Development Stages	3
Public Involvement	4
Additional Information	4
Multimodal Approach	5
TIP Amendment Process	5
Special Regional Consideration Areas	6
Congestion Management	6
Air Quality	6
Performance Management	7
Highway Safety Improvement Program	7
Transit Asset Management	7
Pavement and Bridge Condition	8
System Performance and Freight	8
Metropolitan Transportation Planning Process – Self Certification	11
Consistency with Whatcom Region Transportation Plan	13
Financial Plan	13
Federal Funding Programs	13

# CONTENTS

2019 TIP projects not included in the 2020 TIP	Page 15
TIP Projects and Financial Tables	17
Federal Funding Program Abbreviations	17
State Funding Program Abbreviations	17
Regional Goals and Performance Measures	18
Secured Funding Sources Chart	19
Funding Secured Metropolitan Projects	21
Funding Secured Non-Metropolitan Projects	28
Four-Year Financial Feasibility Table	29
Unfunded Regional Projects	31

# 2019 Whatcom Council of Governments Membership

## Executive Committee

Bellingham City Council  
Mayor of Bellingham  
Mayor of Blaine  
Mayor of Ferndale

Mayor of Lynden  
Port of Bellingham  
Whatcom County Council  
Whatcom County Executive

## Council Board (Executive Committee plus)

Bellingham City Council  
Birch Bay Water & Sewer District  
Lake Whatcom Water & Sewer District  
Lummi Indian Business Council Chair  
Mayor of Everson  
Mayor of Sumas

Nooksack City Council  
The Opportunity Council  
Sudden Valley Community Association  
Western Washington University  
Whatcom County Council  
Whatcom Transportation Authority

## WTPB Policy Board (Executive Committee plus)

Bellingham Technical College  
CTAG Representative  
Mayor of Everson  
Mayor of Lynden  
Mayor of Sumas  
Nooksack Indian Tribal Council Chair  
TTAG Representative  
Western Washington University  
Whatcom Community College

Whatcom County Public Utility District No. 1  
Whatcom Transportation Authority WSDOT  
Mt. Baker Area  
40<sup>th</sup> District Senator  
40<sup>th</sup> District Representative  
40<sup>th</sup> District Representative  
42<sup>nd</sup> District Senator  
42<sup>nd</sup> District Representative  
42<sup>nd</sup> District Representative

**Past Project - Lincoln Street Improvements**



Opened in 2019, Everson’s Lincoln St was reconstructed from Everson Rd to Washington St and extended the roadway construction from Washington St to Blair Rd.

---

IN THE MATTER OF ADOPTION OF THE  
2020 WHATCOM COUNCIL OF GOVERNMENTS'  
TRANSPORTATION IMPROVEMENT PROGRAM

Resolution #2019-10-1

WHEREAS, the Whatcom Council of Governments' Whatcom Transportation Policy Board, hereinafter referred to as the POLICY BOARD, is the Metropolitan Planning Organization (MPO) for the Bellingham-Ferndale urbanized area; and

WHEREAS, the POLICY BOARD, is the Regional Transportation Planning Organization (RTPO) for Whatcom County; and

Whereas, the POLICY BOARD, as the MPO and RTPO has the responsibility of annually developing, adopting and amending a Transportation Improvement Program (TIP); and

WHEREAS, transportation improvement projects must be included in the TIP to be eligible for federal assistance under Federal Highway Administration and Federal Transit Administration funding programs; and

WHEREAS, the POLICY BOARD certifies that all requirements of 23 U.S.C. Section 134 Transportation Planning are met; and

WHEREAS, the POLICY BOARD certifies that the TIP meets all Federal and State air quality requirements; and

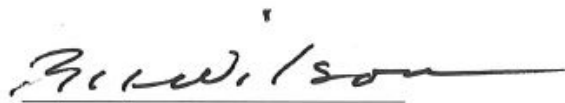
NOW, THEREFORE, BE IT RESOLVED BY THE WHATCOM  
TRANSPORTATION POLICY BOARD:

That it approves the scope and content of the 2018 Transportation Improvement Program, with the understanding that minor changes may be required after federal review, for submission to the Washington State Department of Transportation, Federal Highway Administration and Federal Transit Administration.

ADOPTED: 10/9/19



WTPB Vice-Chairman  
Scott Korthuis



Executive Director  
Robert H. Wilson, AICP

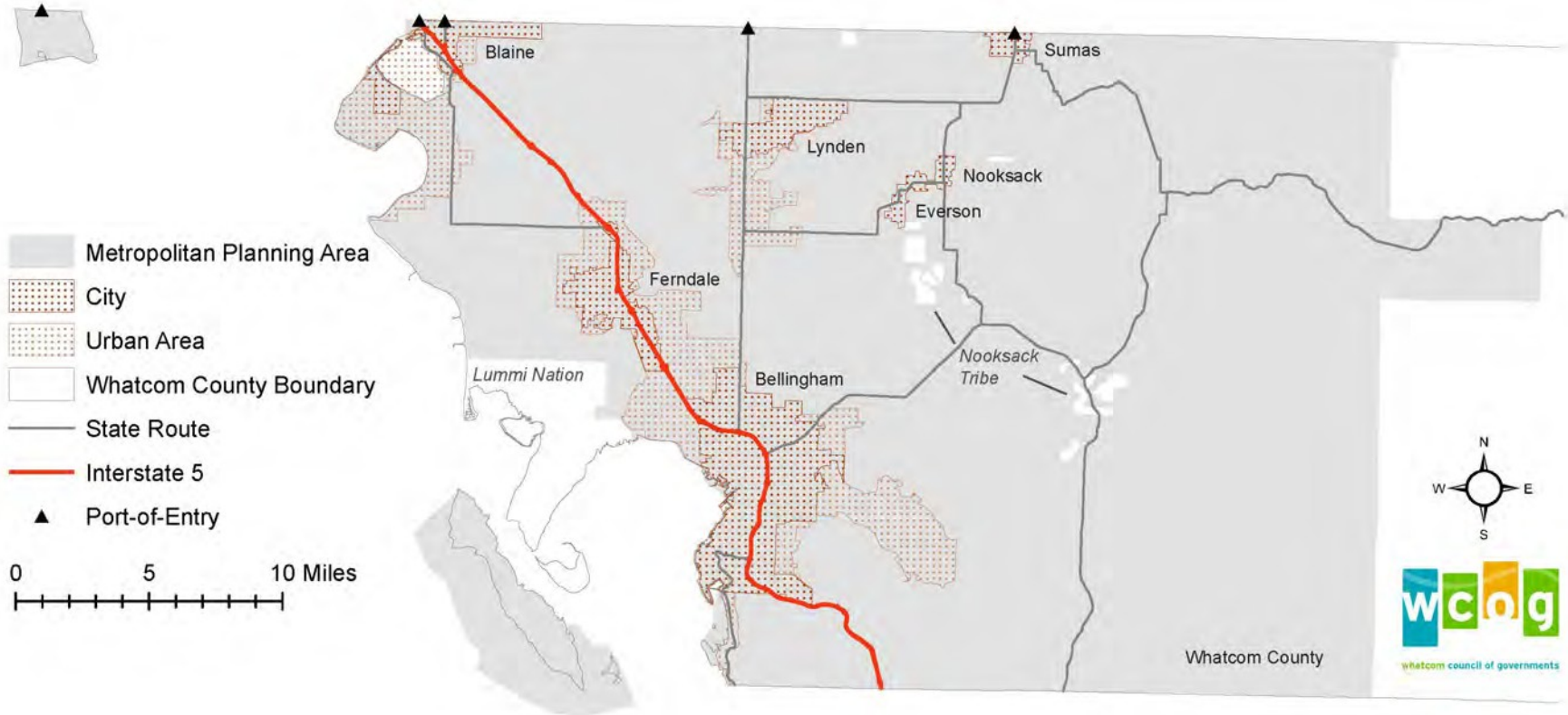
## Past Project - Lummi Transit Bus Shelters



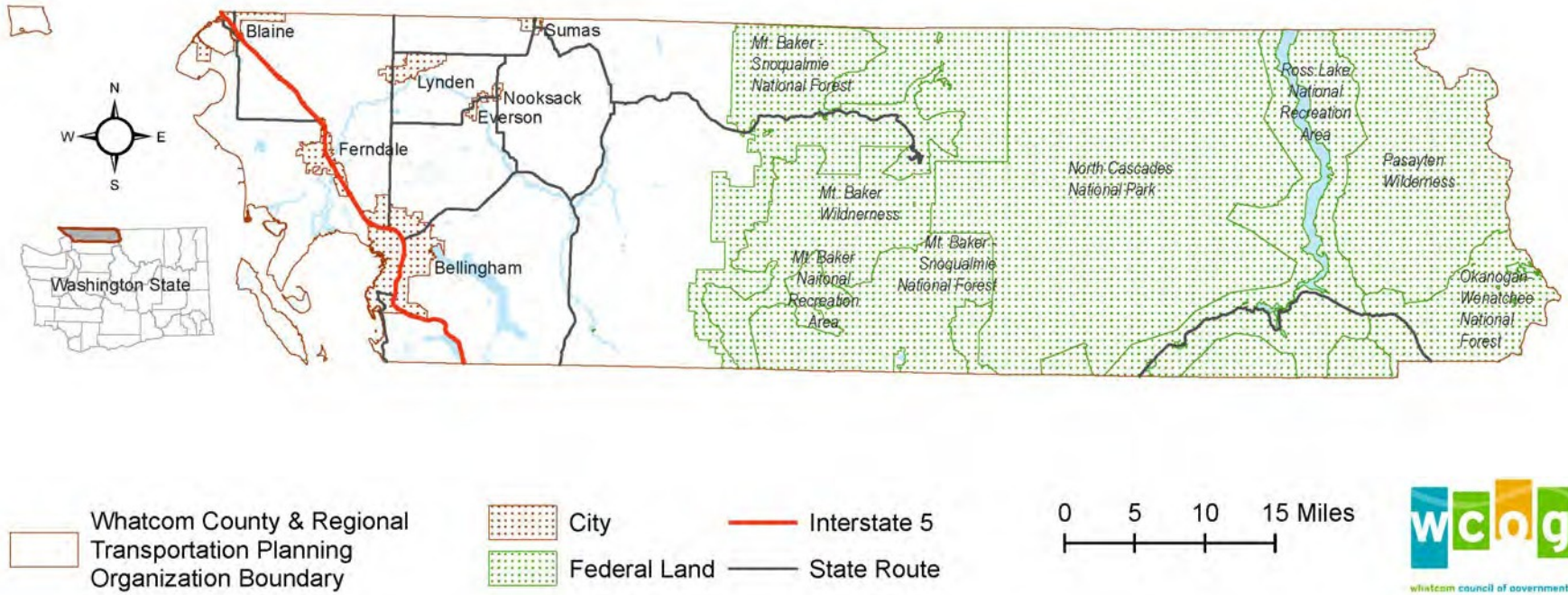
Funded in part by regional Transportation Alternative Program, this project reconstructed bus shelters in Lummi Nation to improve transit infrastructure.



# Whatcom Metropolitan Planning Area



# Whatcom Regional Transportation Planning Organization (RTPO) Boundary



## **INTRODUCTION**

### **Background**

The Whatcom Council of Governments (WCOG) was established in 1966 as a 16-member intergovernmental agency. Members of the WCOG represent the general-purpose local and special district governments in Whatcom County. The existing WCOG structure was formed under R.C.W. 36.70.060, which authorized creation of regional planning councils.

The principal mission of the WCOG is to provide a forum for the exchange of information and data on a regional basis. To accomplish this mission, WCOG provides local jurisdictions with technical support and coordination in transportation, and census data information services. This report was prepared as part of the WCOG [2020 Unified Planning Work Program \(UPWP\)](#).

### **Metropolitan Planning Area**

Following the 1980 Census, the City of Bellingham and the surrounding metropolitan area was designated as an "urbanized area," with a population over 50,000. In 1981, WCOG was designated as the area's Metropolitan Planning Organization (MPO). This designation makes additional federal transportation funds available for transit and road improvements and transportation planning.

In 1993, WCOG revised the Whatcom County Metropolitan Planning Area boundaries to reflect the requirements of the Intermodal Surface Transportation Efficiency Act. The metropolitan planning area includes the cities of Bellingham and Ferndale, the unincorporated area of Whatcom County known as Sudden Valley, and portions of the unincorporated county north of Bellingham and Ferndale (Figure 1). WCOG is annually recertified as the Whatcom County MPO.

In 2013, the Whatcom Transportation Policy Board, with concurrence from the Governor, expanded the Metropolitan Planning Area boundary to encompass the populated areas of Whatcom County with a couple exceptions. The Lummi Nation reservation, the Nooksack Tribe trust lands and the portion of State Highway 20 east of Mount Baker are excluded from the boundary.

### **Regional Transportation Planning Organization**

On September 20, 1990 the WCOG was designated by the governor as the Regional Transportation Planning Organization (RTPO) for Whatcom County. In 1990-1991, the RTPO Policy Board was established from the membership of the WCOG Full Council. Each member jurisdiction in the WCOG agreed to the RTPO acting as the designated project selection body for Regional Surface Transportation Program funds and Transportation Alternative Program funds. The region encompasses all of Whatcom County.

## Purpose and Scope of the Transportation Improvement Program

WCOG is required by Federal and State regulations to develop a Transportation Improvement Program (TIP); it must be updated every four years, or more frequently. The TIP is the financial plan that identifies and prioritizes federally funded transportation projects to be carried out in the Whatcom County Metropolitan Planning Area. Projects including Federal funds must appear in the WCOG TIP. Projects in the WCOG TIP are approved by the WCOG Whatcom Transportation Policy Board, Governor, Federal Highway Administration (FHWA), and Federal Transit Administration (FTA). The projects are then included in the Statewide Transportation Improvement Program (STIP). While the TIP is a six-year document, the primary focus is on the first four years: 2020 - 2023. All projects in WCOG TIP were developed through a scoring process that aligns points with the regional goals outlined in [Whatcom Mobility 2040](#).

WCOG's annual TIP aids in the coordination and cooperation of transportation planning in the region. The TIP also provides the public, elected officials, state and local staffs, transit providers, and other interested parties the opportunity to review regional projects for consistency with regional goals and policies.

### TIP Legislative Requirements

The Whatcom Council of Governments' TIP has been developed in response to two pieces of legislation:

1. Public Law 114-357 Fixing America's Surface Transportation Act (FAST Act)
2. Revised Code of Washington, Title 47, Chapter 47.80.

FAST Act requires Metropolitan Planning Organizations to prepare a TIP detailing those projects within the Metropolitan Area Boundary that will utilize federal transportation funds or are considered [regionally significant](#). The Washington State RTPO law requires Regional Transportation Planning Organizations to prepare a TIP in cooperation with Washington State Department of Transportation (WSDOT) that similarly details all projects in Whatcom County that will utilize federal funds or are considered regionally significant. The WCOG TIP reflects both metropolitan projects and non-Metropolitan projects (those outside the adopted Metropolitan area boundary) separately in the project tables.

FAST Act focuses on the first four years of the traditional six-year project lists and required fiscal constraint (projects prioritized in the first four years of the TIP are required to show secured funding sources). Projects in the TIP are prioritized on an annual basis as the following;

1. 2020 projects are priority one,
2. 2021 projects are priority two
3. 2022 projects are priority three
4. 2023 projects are priority four

Projects that have not secured funding are shown in the unfunded table.

## TIP DEVELOPMENT PROCESS

### MPO and RTPO Roles in TIP Development

The metropolitan planning requirements of FAST Act have advanced the role of the MPO in developing the regional Transportation Improvement programs (TIP). As the MPO, WCOG applies a continuous and comprehensive planning process in cooperation with WSDOT and member jurisdictions in the development of the combined Regional and Metropolitan Transportation Plan (MTP) and the combined Regional and Metropolitan TIP. The MPO TIP reflects "the investment priorities established in the current transportation plan". As the MPO, and in cooperation with local and state jurisdictions, WCOG prioritizes proposed federally funded projects according to their significance and consistency with *Whatcom Mobility 2040*. (23 CFR 450.326)

Under the Washington Growth Management Act (RCW 36.70A.020), the transportation planning requires the "encouragement of efficient multimodal transportation systems that are based on regional priorities and coordinated with county and city comprehensive plans." WCOG assumed the RTPO role to achieve regional objectives. RTPOs are required to certify that the transportation chapters of jurisdiction's GMA comprehensive plans are consistent with regional transportation plan. Regional transportation improvement programs are required to be consistent with the regional transportation plans. (WAC 468-86-160)

### TIP Development Stages

Whatcom Council of Governments initiates the development of the TIP in July of each year when local jurisdictions and agencies provide copies of their respective TIPs to WCOG. The Washington State Department of Transportation and the Whatcom Transportation Authority also submit their projects to WCOG for inclusion in the WCOG TIP.

The TIP submissions are compiled into a comprehensive document for the metropolitan and non-MPO areas of Whatcom County. Review and refinement occurs continuously throughout the process to arrive at a program of improvements that are both consistent with the regional transportation plan and financially feasible. Stages of the development process include:

1. Preparation and submission to WSDOT of local six-year programs.
2. Submission of six-year road programs to MPO/RTPO (WCOG).
3. Project review and prioritization by WCOG ensuring that:
  - a. All projects scheduled for federal funding are included in the TIP.
  - b. All projects are fiscally constrained by showing a four-year implementation schedule and funding source by program.
  - c. The TIP was developed in cooperation with the State.
  - d. The public and interested parties were afforded an opportunity to comment on the TIP in accordance with the WCOG Public Participation Policy.

- e. The TIP is consistent with [Whatcom Mobility 2040](#).
  - f. The TIP provides for the development of an intermodal transportation system that considers all modes of transportation.
  - g. TIP projects are consistent with Title VI of the Civil Rights Act.
  - h. The TIP includes FTA Title VI Assurances.
4. WCOG will adopt and submit the regional TIP to WSDOT by November 1st.
  5. Final review of the WCOG TIP will be completed by WSDOT with final project selection incorporated into the STIP for the Washington State Governor's approval.
  6. The STIP is submitted to the Federal Highway Administration and the Federal Transit Administration.
  7. After the STIP is approved by the Federal Highway Administration and Federal Transit Administration, the local jurisdiction or agency may proceed with project funding obligation through local agency agreements with WSDOT.

### **Public Involvement**

WCOG's adopted public participation policy includes a requirement for a public notice and availability of draft documents 14 days in advance of a public hearing or meeting where documents will be reviewed or approved. A public notice was published in the Bellingham Herald on September 22, 2019 for the WCOG MPO/RTPO public hearing on October 9, 2019. A copy of the public notice is available at the WCOG.

Additionally, jurisdictions and agencies that submitted projects for inclusion in the regional TIP undertook their own public participation processes that included formal transportation program adoptions through their respective council or board meetings.

Significant comments: WCOG certifies that citizens and interested parties have been provided early and reasonable opportunity to comment on the proposed TIP as required under FAST Act Section 5303 (j)(1) and [WCOG's Public Participation Policy](#).

### **Additional Information**

The WCOG TIP covers six years from 2020 - 2025. The first four years from 2020 - 2023 of the TIP are fiscally constrained and programmed in the STIP.

All federally funded projects in the MPA boundary and in the RTPO region have been included in the TIP. Federal funding for the projects does not exceed the amounts reasonably anticipated to be available to each jurisdiction.

The TIP was developed in cooperation with the local jurisdictions and agencies and WSDOT.

## Multimodal Approach

Projects listed in the 2020 TIP were developed from a multimodal approach that includes consideration for nonautomotive single-occupancy modes, commonly referred as alternative modes. Alternative modes include bicycle, pedestrian, ride-sharing and transit. The multi-modal transportation system approach is a specified [regional goal](#).

For transit services, Whatcom Transportation Authority provides fixed route and paratransit bus service in Whatcom County.

## TIP Amendment Process

Federal requirements stipulate that changes to the TIP require an amendment to the original document, which then triggers an amendment to the STIP. This is important because a jurisdiction cannot proceed with a project for which it has been awarded federal money until the TIP and STIP is formally amended and approved by the federal agencies, even though the jurisdiction has been awarded money for the project.

The formal amendment process may take three to four months to complete and proceed through the following steps:

- Submittal of TIP amendment request from official project or program manager
- Public notice and comment opportunity for the proposed amendment
- Review and adoption of proposed amendment from Whatcom Transportation Policy Board
- Submit TIP amendment to WSDOT to request STIP amendment
- WSDOT submittal of amendment request to FHWA or FTA for authorization
- Authorization by federal agencies for local jurisdiction to proceed with amended project or program

Depending upon the kind of change required of the project or program, an amendment may not be necessary, but rather a more streamlined administrative modification or a simple corrective change that does not require STIP correction. All changes are initiated by the respective project or program manager with coordination with WCOG and WSDOT. The following outline the criteria that distinguishes the formal amendment, administrative modification, and simple STIP correction.

1. A formal amendment is triggered by the following conditions
  - a. Adding a new project
  - b. Removing (deleting) a project
  - c. Changes to a project's current total STIP programmed amount by more than 30% (or any amount greater than \$3 million).
  - d. Major project scope changes
  - e. Adding a future phase
  - f. Adding federal funds to a project currently programmed in the TIP/STIP that does not have federal funds (federalizing a project).

2. Administrative modifications – does not require Whatcom Transportation Policy Board approval and are updated monthly by WSDOT, thus total process time typically reduced to under two months.
  - a. Revision to lead agency
  - b. Adding prior phase not previously authorized
  - c. Changes to a project’s current total STIP programmed funding amount by less than 30% (or any amount less than \$3 million).
  - d. Minor changes or errors in project information
3. Updates not requiring STIP change – the local agency, WCOG and WSDOT will coordinate to verify no STIP action is necessary.
  - a. Moving a project within the four years of the STIP.
  - b. Changes to federal funding source
  - c. Federal funding authorized for current programmed projects in the STIP without consideration for phase split
  - d. All adjustments in a project’s funding authorization for award of a contract

## **SPECIAL REGIONAL CONSIDERATION AREAS**

### **Congestion Management**

WCOG is not a Transportation Management Area (TMA) that serves an urbanized area greater than 200,000. TMA provisions of FAST Act planning requirements are not applicable to the WCOG MPO or RTPO.

### **Air Quality**

WCOG is not an air quality non-attainment area. Air quality requirements of FAST Act are not applicable to WCOG 2019 TIP.



## **PERFORMANCE MANAGEMENT**

A significant feature of the Moving Ahead for Progress in the 21<sup>st</sup> Century Act of 2012, known as Map-21, is the requirement for states and metropolitan planning organizations to establish a performance management program. The performance management program was developed in collaboration with the Washington State Department of Transportation (WSDOT). The following national performance goal areas apply to Whatcom Council of Governments:

### **Highway Safety Improvement Program**

23 USC 150 states that performance management provides a means to the most efficient investment of federal transportation funds by (1) focusing on national transportation goals, and (2) improving project decision making through performance-based planning and programming. The stated goal for *Safety: to achieve a significant reduction in traffic fatalities and serious injuries on all public roads*. Pursuant to these national goals, State Departments of Transportation (DOTs) are required by the federal Highway Safety Improvement Program regulations under 23 CFR 924 to set five performance targets. These five required performance targets use five year rolling averages for (1) number of fatalities, (2) rate of fatalities per 100 million VMT, (3) number of serious injuries, (4) rate of serious injuries per 100 million VMT, and (5) number of non-motorized fatalities and non-motorized serious injuries. These targets are required for all public roads regardless of ownership or functional class.

Metropolitan Planning Organizations (MPOs) are also required to establish the same five target areas with the state DOT for all public roads within 180 days of submittal of the state established targets. An MPO can agree to either support the State DOT targets or establish separate MPO numerical targets specific to the metropolitan planning area boundary.

On January 17, 2018, the WCOG Transportation Policy Board adopted the statewide Highway Safety Improvement Program (HSIP) targets as reported to the Federal Highway Administration (FHWA) in coordination with WSDOT and thus agrees to plan and program projects so that they contribute towards the accomplishment of that HSIP target.

### **Transit Asset Management**

Whatcom Transportation Authority (WTA) is committed to operating a public transportation system that offers reliable, accessible, and convenient service with safe vehicles and facilities. Transit Asset Management (TAM) is an administrative management process that combines the components of investment (available funding), rehabilitation and replacement actions, and performance measures with the outcome of operating assets in the parameters of a State of Good Repair (SGR).

WTA is currently operating as an FTA-defined Tier II transit operator in compliance with (49 CFR §625.45 (b)(1)). Tier II transit providers are those transit agencies that do not operate rail fixed-guideway public transportation systems and have either 100 or fewer vehicles in fixed-route revenue service during peak regular service, and have 100 or fewer vehicles in one non-fixed route mode service during peak regular service hours.

WTA's has developed a TAM Plan to provide an outline of how it will assess, monitor, and report the physical condition of assets utilized in the operation of the public transportation system. WTA's approach to achieving an SGR includes the strategic and systematic process of operating, maintaining, and improving physical assets, with a focus on both engineering and economic analysis based upon quality information. WTA will identify a structured sequence of maintenance, preservation, repair, rehabilitation, and replacement actions that will achieve and sustain a desired SGR over the life cycle of the assets for a minimal, practical cost.

### **Pavement and Bridge Condition**

RCW 47.05 and the Washington State Department of Transportation's (WSDOT's) Highway System Plan set the direction for management of infrastructure condition in Washington State, which is to preserve pavements and bridges at lowest life cycle cost. The lowest life cycle strategy for any pavement or bridge is the strategy that maintains acceptable condition at the lowest annualized cost over the life of the asset. WSDOT has demonstrated this by taking a preservation first approach to pavement and bridge management over several decades.

Local agencies manage approximately 31% of the non-Interstate National Highway System (NHS) in Washington State. Using the [Target Setting Framework](#), WSDOT worked with Metropolitan Planning Organizations (MPOs) to establish performance measures and communicate its pavement and bridge management practices, as well as what these practices mean in the context of the National Highway System (NHS). WSDOT has also communicated the annual average state facility needs for pavements and bridges within each MPO boundary. Further supporting asset performance and investments on the NHS, WSDOT Local Programs issued a call for projects specifically focused on asset management practices, for pavements on NHS roadways.

Washington MPOs & WSDOT have agreed to plan and program projects to work towards and achieve Washington pavement and bridge condition targets for infrastructure condition under 23 CFR 490. As required under 23 CFR 515, the specific strategies for pavement and bridge preservation are documented in WSDOT's [Transportation Asset Management Plan](#), certified by FHWA in May 2018.

### **System Performance and Freight**

In 2018, Washington State Metropolitan Planning Organizations (MPOs) and the Washington State Department of Transportation (WSDOT) set, adopted, and reported to FHWA statewide

targets for the Highway System Performance and Freight. Washington State MPOs and WSDOT are working to improve the planning and programming process to more fully align funding decisions with performance targets.

In Washington State, many of the projects selected to address mobility are prioritized through the legislative process. For this reason, it is essential that WSDOT, MPOs, regional transportation planning organizations (RTPOs), and local agencies coordinate their transportation planning efforts to develop transportation priorities that contribute towards performance targets and can be shared with lawmakers.

One such way WSDOT and its partner MPOs and RTPOs are working to make performance-supporting projects and programs clear to the legislature is through the Plan Alignment Work Group. A major focus of the group is to increase the consistency between regional plans and WSDOT's statewide plans, which includes sharing and collaboratively perfecting the data and information necessary to identify a comprehensive list of financial forecasts, maintenance needs, and project priorities related to the state system within MPOs and RTPOs.

Another way WSDOT and its partners are assessing performance and target achievement is through the Regional Integrated Transportation Information System (RITIS) data tool. The state's financial participation makes this tool available for WSDOT and MPOs to use the system in evaluating regional targets and to assist in other decision making processes.

To guide freight investments and improve freight system performance in Washington, WSDOT developed the 2017 Washington State Freight Investment Plan by engaging various freight partners and stakeholders, including MPOs and RTPOs. The Freight Investment Plan identified freight priority projects and described how those priorities would be invested and funded through FFY 2016–2020 National Highway Freight Program (NHFP) funds. Those NHFP investments would be incorporated into STIP and TIPs contributing to improving statewide freight performance on National Highway Freight Network.

Over the coming years WSDOT and its partners will further align planning and programming with performance. All are committed to developing practical approaches to work towards our regional and statewide performance targets.

## Past Project - Church Rd Improvement Project



City of Ferndale completed the Church Rd widening and reconstruction project in 2019 that improved multimodal connectivity to neighborhood residences.

**METROPOLITAN PLANNING ORGANIZATION SELF-CERTIFICATION  
FOR THE FOLLOWING METROPOLITAN PLANNING AREA**

In accordance with 23 CFR Part 450, §450.336, the Washington State Department of Transportation (WSDOT) and the Whatcom Council of Governments Metropolitan Planning Organization (MPO) for the Whatcom County Metropolitan Planning Area (MPA), hereby certify that the metropolitan transportation planning process is being carried out in accordance with all applicable requirements including:

1. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
2. In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101(b) of the FAST Act (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in DOT funded projects;
6. 23 CFR Part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, 38, and 28 CFR Part 35;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
11. Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (2 CFR part 200).

MPO

Robert H. Wilson

Signature

ROBERT H. WILSON

Printed Name

EXECUTIVE DIRECTOR

Title

9/16/2019

Date

WSDOT

Clifford L. Hall

Signature

Clifford L. Hall

Printed Name

Regional Coordinator

Title

9/17/19

Date

# Past Project - Riverview Rd Gap Elimination



City of Lynden recently finished the new roadway construction of Riverview Rd that connects the S 6th St to Hannegan Rd.

## **CONSISTENCY WITH REGIONAL LONG-RANGE TRANSPORTATION PLAN**

The projects contained in the 2019-2024 years of the TIP are consistent with the goals of [Whatcom Mobility 2040](#). WCOG prepares the TIP based on input from local agencies and WSDOT, and all projects are considered for their consistency with Whatcom Mobility 2040.

### **Financial Plan**

This TIP is based on, and therefore consistent with, the region's [Whatcom Mobility 2040](#) as required under Title 23 CFR Part 450. Whatcom Mobility 2040 contains the financial assumptions, revenue and expenditures forecast, and fiscal constraints that account for TIP implementation. The funding sources chart for the full six-year program can be found on **page 19** and the fiscally constrained feasibility table for the first four years (2020-2023) can be found on **page 29**. Project expenditures are listed in year of expenditure amounts as determined by the individual agencies.

### **Federal Funding Programs**

#### FTA Section 5307 Urban Areas

FTA Section 5307 provides transit operators with predictable funding. Grants are allocated on a per capita basis to large urbanized areas. In small urban areas, the funding is distributed on a per capita basis, but the actual "schedule for release" is negotiated between WSDOT and the small transit operators. Section 5307 funds may be used for capital acquisition.

#### Bridge Replacement and Rehabilitation Program

The Bridge Replacement and Rehabilitation Program is used to fund improvements to bridges determined to be deficient because of structural problems, physical deterioration, or functional obsolescence. The program assists local governments replace or rehabilitate roadway bridges over waterways, topographical barriers, other roadways, railroads, canals, ferry landings, etc. Funding of projects in this program is on a competitive basis. All jurisdictions must inventory their bridges according to state procedures. A statewide priority listing is established based in the inventory. Bridge projects are evaluated and selected on a priority basis by a committee comprised of city, county and WSDOT representatives.

#### Coordinated Border Infrastructure

The CBI funding is used to improve the safe movement of motor vehicles at or across the land border between the U.S. and Canada and the land border between the U.S. and Mexico.

### Ferry Boat Program or Ferry Boat Discretionary (FBP)

The Ferry Boat Program Program provides a special funding category for the construction of ferry boats and ferry terminal facilities.

### Highway Safety Improvement Program (HSIP)

The overall purpose of the Highway Safety Improvement Program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads through the implementation of infrastructure-related highway safety improvements.

### Safe Routes to School (SRTS)

The Safe Routes to School program was established to address the need for children to safely walk and bike to and from school. SRTS funds the development and improvement of facilities connecting neighborhoods to their respective schools, as well as educational and promotional programs to encourage children and parents to walk and bike. Since MAP-21 and current FAST Act, projects eligible for federal SRTS program funding can be pursued under Transportation Alternatives program and Highway Safety Improvement Program.

### National Highway Performance Program (NHPP)

MAP-21 created the NHPP as a new category for federal transportation funding that incorporates Interstate Maintenance, the National Highway System (NHS) and the Highway Bridge Program for bridges that are on the NHS.

### Surface Transportation Program (STP) / Surface Transportation Block Grant (STBG)

The FAST Act STBG replaces the SAFETEA-LU's STP grant program that is used on any road (including NHS routes) that is not classified as a local or minor rural collector on the Federal-Aid highway system. Note that projects programmed in the TIP and STIP still use the STP acronym. Bridge projects on any public road and transit capital projects are eligible to utilize STP funds.

### Transportation Alternatives (TA)

Created by MAP-21, TA program (set-aside of Surface Transportation Block Grant program) funds transportation alternatives programs and projects including federally funded pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and improved mobility, community improvement activities, and environmental remediation; recreational trail projects; and safe routes to school projects.



**2019 TIP projects not included in the 2020 TIP**

The following projects existed in the 2019 TIP but are no longer programmed for the 2020 TIP for reasons that include: underway, complete, cancelled, delayed or on hold.

Agency	Project Name	Description	Total Cost*	Status
<b>Bellingham</b>	Cordata Safe Routes to School	Bike lanes, sidewalk, and other pedestrian components to improve access to school	\$1,951	Complete
<b>Everson</b>	Lincoln St Improvements - Phase I	Road reconstruction including sidewalk and bike lanes	2,489	Complete
	Lincoln St Improvements - Phase II	New road construction extending Lincoln St from Washington St to Blair Dr, includes sidewalks and bike lanes	1,767	Complete
<b>Ferndale</b>	Thornton St Overpass	Construct elevated crossing to connect Thornton St to Portal Way/Second Ave, and I-5 Interchange	26,275	Underway
<b>Lummi</b>	Lummi Shore Drive Sidewalks	Construct side path for pedestrians and bicyclists	1,070	Underway
<b>WCOG</b>	Border Data Warehouse 3.0	Upgrade Cascade Gateway Border Data Warehouse with improved wait time calculations	200	Underway
	UPWP - SFYs 2018 & 2019	Planning and programming responsibilities for WCOG 2018 and 2019 federal fiscal years	290	Complete
	UPWP - SFY 2020	Planning and programming responsibilities for WCOG 2020 federal fiscal years	192	Underway
<b>Whatcom County</b>	Guardrail Safety Program	Install guardrails at various sites countywide	920	Complete
	West Badger Rd / Bertrand Creek Bridge No. 50 Replacement Project	Replace existing bridge with new bridge structure	3,369	Complete
<b>WSDOT</b>	SR 542/I-5 to Hannegan Rd Vicinity - ADA Compliance	Improve pedestrian safety to ADA compliance	1,026	Underway
	SR 542/Dewey Rd Vicinity - Culvert Replacement	Replace culvert	331	Complete
	SR 20/Cascade Rd Vic to Goodell Creek Campground - Rumblestrip	Install centerline rumblestrips	197	Complete
	SR 20/Lillian Creek to Granite Creek - Rumblestrip Installation	Install centerline rumblestrips	872	Complete
	SR 20/Newhalem to Lillian Creek - Rumblestrip Installation	Install centerline rumblestrips	1,929	Complete
	SR 539/Bay-Lyn Dr to SR 546 - ADA Compliance	Improve pedestrian safety by upgrading to ADA compliant sidewalks	1,397	Complete
	SR 542/Dewey Rd Vic - Culvert Replacement	Replace existing culvert with 18" culvert	331	Underway
	I-5/Tributary to California Creek - Fish Passage	Replace existing fish passage barrier with passable structure	3,812	Underway
	SR 542/I-5 to Hannegan Road Vicinity - ADA Compliance	Improve pedestrian safety by upgrading ADA sidewalk ramps within the project limits.	1,262	Complete
	SR 542/Glacier Creek Bridge CED - Replace Bridge	Replace existing bridge with longer structure that includes fish passable stream below bridge.	36,707	Underway
	SR 9/Two Tributaries to Tawes Creek - Fish Passage	Replace existing fish passage barrier with passable structure	2,931	Underway
SR 9/Tawes Creek - Fish Passage	Replace existing fish passage barrier with passable structure	1,713	Underway	
<b>WTA</b>	Replace Paratransit Mini Buses	Replace eight paratransit buses	1,000	Purchase

\*Listed in thousands.

**Total Projects Cost \$92,031**

## Past Project - Jim Kaemingk Sr Trail Extension



Funded by Transportation Alternatives Program and Safe Routes to School, Lynden's Jim Kaemingk Sr trail connects neighborhoods to the local elementary school through pathways and sidewalks.

The **MPO** section lists the projects within the metropolitan planning area (MPA), the non-MPO section lists the projects outside the MPA boundary, and the unfunded section lists the countywide, planned, regionally significant projects that do not have secure funding.

## TIP PROJECTS AND FINANCIAL TABLES

The project and financial tables of the 2019 TIP are arranged in three tabs, **MPO**, **non-MPO** and **Unfunded**.

The **MPO** section includes the funding secured four-year Metropolitan projects with a Financial Feasibility report.

The **non-MPO** section includes the funding secured four-year non-MPO projects (outside the MPO boundary).

The **Unfunded** section includes the planned but not funding secured six-year MPO and non-MPO projects. The following abbreviations are used throughout the project tables:

### Federal Funding Program Abbreviation

BR	Bridge Replacement or Rehabilitation
CBI	Coordinated Border Infrastructure
Discretionary	Public Highway Lands, Scenic Byways, Others
FBP	Ferry Boat Program
HSIP	Highway Safety Improvement Program
IRR & TTP	Indian Reservation Roads & Tribal Transportation Program
NHS	National Highway System
NHPP	National Highway Performance Program
SRTS	Safe Routes to Schools
STBG (US)	Surface Transportation Block Grant (replaced STP by FAST-Act) Urban Small Area
STBG (RU)	Surface Transportation Block Grant (replaced STP by FAST-Act) Rural Area
STP	Surface Transportation Program (acronym still used by WSDOT program)
STP (R)	Surface Transportation Program Rural Area
STP (US)	Surface Transportation Program Urban Small Area
TA	Transportation Alternatives (replaced TAP by FAST-Act)
TAP	Transportation Alternatives Program (acronym still used by WSDOT program)
TAP (R)	TAP Rural
TAP (US)	TAP Urban Small
TAP (SR)	TAP Safe Routes to School
5307	Federal Transit Administration – Urban Areas Grant
5339	Federal Transit Administration – Buses and Bus Facilities Program

### State Funding Program Abbreviations

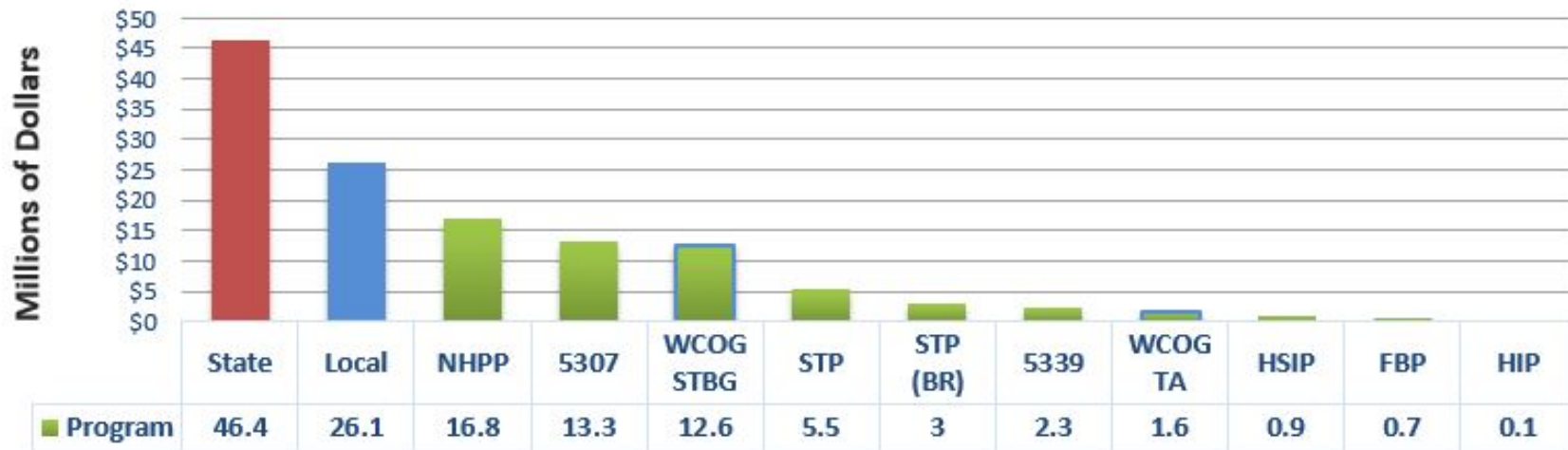
CRAB	County Road Administration Board
CWA	Connecting Washington
FMSIB	Freight Mobility Strategic Investment Board
TIB	Transportation Improvement Board
OTHER	Any other state fund codes

## Regional Goals and Performance Measures

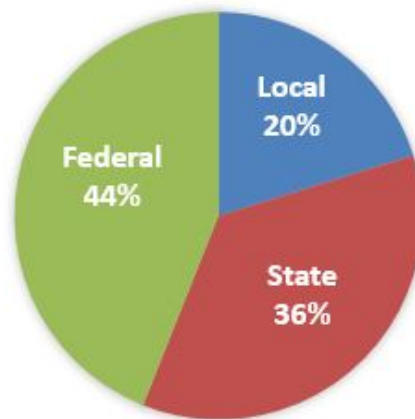
Projects in the WCOG TIP were developed and prioritized towards achieving regional goals that also links our region’s transportation investments to federal performance measures (23 CFR 450.326).

Ranked Regional Goals		Federal Performance Programs	Federal Performance Measures
1	Safety	Highway Safety Improvement Program	<ul style="list-style-type: none"> <li>-Number of fatalities on all public roads</li> <li>-Number of fatalities per 100 million vehicle miles traveled (VMT) on all public roads</li> <li>-Number of serious injuries on all public roads</li> <li>-Number of serious injuries per 100 million VMT on all public roads</li> <li>-Number of non-motorist fatalities and serious injuries on all public roads</li> </ul>
2	Environmental Quality	Congestion Mitigation and Air Quality	Particulate Matter less than 10 microns (PM10)(kg/day) – not applicable to WCOG
	Sustainability (Efficiency and effectiveness)		
	Multimodal System (Mobility)	Highway System Performance	<ul style="list-style-type: none"> <li>-Percent of person-miles traveled on the Interstate System that are reliable</li> <li>-Percent of person-miles traveled on the Non-Interstate National Highway System that are reliable</li> </ul>
Transit Asset Management		<ul style="list-style-type: none"> <li>-Percentage of non-revenue service vehicles (by type) that meets or exceeds the Useful Life Benchmark (ULB)</li> <li>-Percentage of revenue vehicles (by type) that meets or exceeds the ULB (Buses, Paratransit Vans, and Vanpools)</li> <li>-Percentage of facilities (by group) rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale</li> </ul>	
3	Access & Convenience		
4	Preservation and Maintenance	Pavement Condition	<ul style="list-style-type: none"> <li>-Percent of Interstate Pavement on the National Highway System in good condition</li> <li>-Percent of Interstate Pavement on the National Highway System in poor condition</li> <li>-Percent of non-Interstate Pavement on the National Highway System in good condition</li> <li>-Percent of non-Interstate Pavement on the National Highway System in poor condition</li> </ul>
		Bridge Condition	<ul style="list-style-type: none"> <li>-Percent of National Highway System Bridges classified in good condition (weighted by deck area)</li> <li>-Percent of National Highway System Bridges classified in poor condition (weighted by deck area)</li> </ul>
	Freight	Freight Movement	Truck Travel Time Reliability (TTTR) Index (on the Interstate System)

### MPO Secured Funding Sources 2020 - 2025



### Funding Share by Level of Government



## Past Project - Mahogany Ave Construction



Mahogany Ave connects Pacific Highway to Arctic Ave and Northwest Dr in the growing northern section of Bellingham.

**Metroplanning Area Secured Funding Table for 2020 - 2025 (listed in thousands)**

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
Orchard Drive Extension beneath Interstate 5	Orchard Drive Extension is a new multi-modal arterial and multi-use trail connection extending from east Birchwood Ave/Squalicum Parkway, under I-5 along the railroad tunnel, to west of James Street.	Bellingham	Mobility, Access	Highway System Performance	CWA		9,727		9,727	13,409
West Horton Road, Phase I	Construct new minor arterial roadway. Including bike lanes, separated boardwalk path, and illumination.	Bellingham	Mobility	Highway System Performance	STBG (US)	1,400		2,933	4,333	5,412
West Horton Road Extension, Phase 2	New road construction extending Horton Rd west as a secondary urban arterial with sidewalks, bike lanes, and turn lanes.	Bellingham	Mobility	Highway System Performance				160	160	15,000
F Street Crossing	Improvements include four quadrant gates, pedestrian and bicycle improvements and travel lane channelization.	Bellingham	Mobility, Access	Highway System Performance	HSIP	640		30	670	730
State-Ellis Bridge Replacement	Remove and replace existing bridge with new flaired two-span pre-stressed concrete slab bridge.	Bellingham	Preservation and Maintenance	Bridge	STP (BR)	2,995		468	3,463	3,961
Telegraph Road Multimodal Safety Improvements	Reconstruct road to add sidewalks, bike lanes, and center turn lane, curb, gutter, storm water, and pedestrian crossing for transit stop	Bellingham	Safety, Mobility, Access	Safety, Highway System Performance	STBG (US)	1,650		4,130	5,780	5,780
James-Bakerview Intersection Safety Improvements	Intersection reconstruction to include dedicated turn lanes or roundabout and ADA curb ramps and crosswalks.	Bellingham	Safety, Mobility	Safety, Highway System Performance	STBG (US)	2,000		1,170	3,170	3,170

**Metropolitan Planning Area Secured Funding Table for 2020 - 2025** (listed in thousands)

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
Boblett St Traffic Channelization and Corridor Improvements	Improvements will include: Channelization, ROW acquisition, non-motorized, sidewalk replacement, storm drainage, roundabout construction.	Blaine	Mobility	Highway System Performance	STBG (US)	1,210		239	1,449	1,631
Bell Rd and Peace Portal Lane Improvements	The project will widen Peace Portal at the Bell Rd intersection by adding a left turn lane on the southeast leg to mitigate traffic buildup as a result of BNSF rail crossing delay.	Blaine	Safety, Mobility	Highway System Performance	STBG (US)	385		90	475	475
Peace Portal Community Trail Phase III	Construct mulit-modal trail that connects the central business district to the intersection of Bell	Blaine	Mobility, Access	n/a	TA (US)	175		75	250	250
ADA Transition Plan Development	Develop ADA transition plan to identify methods to remove barriers and improve accessibility for disable persons.	Blaine	Safety, Mobility, Access	Safety	TA (US)	80		20	100	100
SR544 S. Everson Sidewalk Improvements	Fill in missing segments of sidewalk along SR 544 from approximately Robinson Street to Everson Road.	Everson	Safety, Mobility	Safety	TA (RU)	1,182	497	566	2,245	2,378
Blair Drive Improvements (Lincoln Street, Phase III)	Reconstruct roadway to include sidewalks, curb and gutter, on-street parking, and a bike lane.	Everson	Mobility	Highway System Performance	STBG (RU)	842		259	1,101	1,101



**Metropolitan Planning Area Secured Funding Table for 2020 - 2025** (listed in thousands)

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
Thornton Street Project, Vista Drive to Malloy Avenue	Reconstruct roadway that includes ADA compliant pedestrian sidewalks and ramps, with shoulders and illumination.	Ferndale	Safety, Mobility	Safety, Highway System Performance	STBG (US)	1,095		505	1,600	1,600
Main Street Corridor Completion	Improve remaining section of Main Street between SR539 and Berthusen Road to full City all-weather arterial standards.	Lynden	Mobility	Highway System Performance	STP (US)	8		1,802	1,810	2,109
West Main Street and Berthusen Roundabout	Construct roundabout.	Lynden	Mobility	Highway System Performance	STBG (US)	800		650	1,450	1,450
Harris Ave Crossing	Construct railroad pedestrian/bike crossings surfaces on both sides of Harris Ave and relocate entrance to Marine Park to allow installation of non-mountable center medians. Upgrade railroad system signals and signage.	Port of Bellingham	Safety, Mobility, Access	Safety, Highway System Performance	HSIP	218		397	615	762
UPWP - 2021	Planning and Programming	WCOG	n/a	n/a	STBG(US)	147		23	170	170
Lummi Island Breakwater Replacement	Replace existing timber pile breakwater with steel pile supported structures	Whatcom County	Preservation and Maintenance	n/a	FBP	80		20	100	1,800
Lummi Island Terminal Preservation Project	Painting and high strength bolt replacement on the transfer span and towers at the Lummi Island Ferry Terminal	Whatcom County	Preservation and Maintenance	n/a	FBP	656		164	820	820

**Metropolitan Planning Area Secured Funding Table for 2020 - 2025** (listed in thousands)

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
E. Smith & Hannegan Road Intersection Improvements	Reconstruct intersection to include: left turn lanes, lengthen Hannegan Road channelization, increase turn radii for truck traffic, and stormwater management.	Whatcom County	Mobility, Freight	Highway System Performance, Freight	STBG (RU), HIP	1,000		2,965	3,965	3,965
Marine Drive Reconstruction	Reconstruct to add pedestrian and bicycle facilities	Whatcom County	Safety, Mobility	Safety	STBG (US), TA (US)	1,510		1,701	3,211	3,211
Birch Bay Lynden Road & Blaine Road Intersection Improvements	Reconstruct intersection to reduce traffic delays and improve safety.	Whatcom County	Safety, Mobility	Highway System Performance	STBG (US)	801		3,199	4,000	4,000
SR 539/Bay-Lyn Dr to SR 546 - ADA Compliance	This project will evaluate and improve pedestrian safety by upgrading ADA sidewalk ramps within the project limits.	WSDOT	Safety, Access	Safety	NHPP	1,365		32	1,397	1,397
SR 539/Bay-Lyn Dr to International Boundary - Corridor Improvements	Constructing a four-lane divided highway will improve mobility, reduce the risk of collisions, and facilitate freight movement across the international border.	WSDOT	Safety, Mobility, Freight	Safety, Highway System Performance, Freight	CWA		13,000		13,000	40,000
SR 20/Tributary to Thornton Creek - Culvert Replacement	The project will replace the existing 2 feet in diameter corrugated metal culvert with a larger culvert to adequately allow stream water flow.	WSDOT	Environmental Quality	n/a	STP	906		22	928	928
I-5/SB Lake Samish Vic - Stormwater Retrofit	This section of I-5 has been identified in a statewide effort in 2012 as a high priority corridor for improving water quality.	WSDOT	Environmental Quality	n/a	NHPP	336		7	343	425

**Metropolitan Planning Area Secured Funding Table for 2020 - 2025** (listed in thousands)

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
Concrete Roadway Preservation Whatcom Council of Governments	Replace existing concrete with a thicker concrete and steel bars at the joints. This work will extend the life of the highway at least another 40 years, and provide a smoother ride.	WSDOT	Preservation and Maintenance	Pavement	NHPP	336		13	349	349
Asphalt/Chip Seal Preservation Whatcom Council of Governments	Resurface the roadway with chip seal or hot mix asphalt to preserve the structural integrity of the roadway and extend the service life of the pavement.	WSDOT	Preservation and Maintenance	Pavement	NHPP	12,731		359	13,090	13,090
I-5/Northbound On-Ramp at Bakerview - Improvements	The overcrossing at I-5 and Bakerview Rd. experiences significant congestion. This project will construct a northbound on-ramp on the east side of I-5 to address congestion, enhance regional multimodal transportation circulation and support economic development in northwestern	WSDOT	Mobility	Highway System Performance	CWA		6,151		6,151	10,000
NWR Breakaway Cable Terminal Replacement - 17-19 (Phase 2)	Remove and replace guardrail terminals to meet current standards. (Funds show guardrail terminals for WCOG region only )	WSDOT	Safety	Safety	HSIP	28		1	28	28
NWR Breakaway Cable Terminal Replacement-Non-Interstate 17-19 (Phase 2)	Remove and replace guardrail terminals to meet current standards. (Funds show guardrail terminals for WCOG region only)	WSDOT	Safety	Safety	HSIP	13		0	13	13

**Metropolitan Planning Area Secured Funding Table for 2020 - 2025 (listed in thousands)**

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
I-5/Slater Road Interchange - Improvements	The project will relieve congestion on the I-5 off ramps at the Slater Road Interchange. This will include the implementation of improvements at the Slater Road NB/SB ramp terminals, as well as the intersections on Northwest Ave, Pacific Highway and Rural Ave.	WSDOT	Mobility	Highway System Performance	CWA		17,000		17,000	21,100
SR 539/Duffner Ditch - Fish Passage	Remove the existing fish passage barrier and replace it with a fish passable structure.	WSDOT	Environmental Quality	n/a	NHPP	1,239		50	1,289	8,045
SR 539/Telegraph Road to Westerly Road - ADA Compliance	This project will improve pedestrian safety by upgrading ADA sidewalk ramps within the project limits.	WSDOT	Safety, Access	Safety	NHPP	794		16	811	946
SR 542/Bagley Creek Bridge - Bridge Scour	The footing for the bridge has been exposed due to erosion to the point of forming a void beneath one of the footings. Filling the void and placing riprap around the exposed footings will protect the bridge from further erosion.	WSDOT	Preservation and Maintenance	Bridge	STP	899		20	919	919
SR 546/Pepin Creek - Fish Passage	Remove the existing fish passage barrier and replace it with a fish passable structure.	WSDOT	Environmental Quality	n/a	STP	3,708		76	3,784	3,784
Replace Full-Size Diesel Buses	Replacing approximately 14 diesel buses.	WTA	Mobility	Transit Asset Management	5307	6,496		1,624	8,120	8,120
Purchase Electric Buses and Infrastructure	Purchase two electric buses and infrastructure	WTA	Mobility	Transit Asset Management	5339	2,290		710	3,000	3,000

**Metropolitan Planning Area Secured Funding Table for 2020 - 2025 (listed in thousands)**

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*
Replace Full-Size Diesel Buses	Replace approximately 11 full-size diesel buses	WTA	Mobility	Transit Asset Management	5307	5,632		1,408	7,040	7,040
Replace Paratransit Mini Buses	Replace approximately 11 paratransit mini buses	WTA	Mobility	Transit Asset Management	5307	1,239		219	1,458	1,458
<b>Totals</b>						<b>56,887</b>	<b>46,375</b>	<b>26,123</b>	<b>129,384</b>	<b>193,927</b>

\*Total project costs estimates include all phases that includes planned, current funding secured, and previous phase funding obligations.

**Funding Secured Non-MPO Projects** (listed in thousands)

Project Title	Description	Agency	Regional Goal	Performance Measure (Federal)	Program (Federal or State)	Federal Funds	State Funds	Local Funds	Total Funds	Total Cost*	
No Non-MPO Projects											
						Totals	\$0	\$0	\$0	\$0	\$0

\*Total Project Costs estimates all phases and funding planned and secured.

## WCOG 2020-2023 TIP Feasibility Table

Anticipated Federal Funding & Programmed Expenditures (in Thousands)

	Funding Type	Year	Starting Balance	Annual Allocation	Total Available	Total Program	Remaining Balance
WCOG-Managed Federal Funds	STBG (US & R)	2020	-\$1,622	\$2,932	\$1,310	\$465	\$845
		2021		2,932	3,777	3,228	549
		2022		2,932	3,481	2,955	526
		2023		2,932	3,458	2,385	1,073
	TA (US & R)	2020	312	266	578	0	578
		2021		266	844	174	670
		2022		266	936	433	503
		2023		266	769	0	769
	HIP	2020	72	0	72	72	0
	State-Managed Federal Funds	FBP	2020		736	736	736
HSIP		2020		899	899	899	0
NHPP		2021		4,740	4,740	4,740	0
		2022		6,665	6,665	6,665	0
		2023		1,171	1,171	1,171	0
STP		2020		138	138	138	0
		2021		3,809	3,809	3,809	0
		2022		63	63	63	0
		2023		1,504	1,504	1,504	0
STP(BR)		2020		2,995	2,995	2,995	0
Other Federal	5307 (FTA)	2020		13,367	13,367	13,367	0
	5339 (FTA)	2020		2,290	2,290	2,290	0

	Total Available	Total Program
<b>Federal Funds</b>	<b>\$49,931</b>	<b>\$48,089</b>
<b>State &amp; Local Funds</b>	<b>58,908</b>	<b>58,908</b>
<b>All Funds</b>	<b>108,839</b>	<b>106,998</b>

## Past Project - Hannegan Road / Ten Mile Creek Bridge



Completed in 2019, this Whatcom County bridge project replaced a failing bridge with a new expanded bridge.



**Unfunded Projects** (listed in thousands)

<b>Agency</b>	<b>Project</b>	<b>Type</b>	<b>Cost Estimate</b>
<b>Bellingham</b>	James Street Multimodal Improvements	Construction	7,000
	North James Street Multimodal Arterial Connection	Construction	3,600
	Meridian St Roundabouts	Roundabout	10,160
	W Illinois Multimodal Improvements	Reconstruction	2,500
	W Horton Rd Extension, Phase 2	Construction Phase	12,260
<b>Blaine</b>	Peace Portal Drive Sidewalk, Tail, and Gap Elimination	Construction	1,150
	Semiahoo Spit Ped Path Safety Improvements	Construction	2,220
	Marine Dr Phase 3 - LPWRF to Public Pier	Construction	3,000
	Peace Portal/Bell Rd Channelization and Signalization	Intersection Rehabilitation	750
	Mitchell Ave/H St Signalization	Intersection Rehabilitation	600
<b>Everson</b>	BNRR R/W - Trail/Utility Corridor	Right-of-Way	300
<b>Ferndale</b>	Thornton Road - Church to Maureen	Construction	1,150
	Washington & Vista Intersection Improvements	Construction	1,740
	Portal Way Corridor Pedestrian and Bike Improvements	Design	125
<b>Lummi</b>	Lummi Shore Rd Pedestrian Safety Improvements	Reconstruction	1,850
	Lummi Nation Kwina/Marine Dr./Lummi Shore Intersection	Reconstruction	4,500
<b>Lynden</b>	Bradley Road - Vinup Road to Line Road	Reconstruction	3,450
	Benson Road - Benson Lane to Badger Road	Reconstruction	4,350
	Line Road - Bradley Road to Badger Road	Reconstruction	1,550
	Main St Corridor Completion	Reconstruction	1,975
	SR-546 Intersection with city arterials	Intersection Rehabilitation	500
<b>Sumas</b>	Sumas Ave - Front Street to Garfield Street	Construction	2,150
<b>WCOG</b>	Unified Planning Work Program	Planning	310
<b>Whatcom County</b>	Jackson Road / Terrell Creek Bridge No. 81	Replacement	650
	Marine Drive / Little Squalicum Bridge No. 1	Rehabilitation	250
	Slater Road & Northwest Drive	Intersection Rehabilitation	250

**Unfunded Projects** (listed in thousands)

<b>Agency</b>	<b>Project</b>	<b>Type</b>	<b>Cost Estimate</b>
<b>Whatcom County</b>	Slater Road, Interchange to Pac Hwy	Reconstruction	16,000
	Slater Road, Northwest Drive to Aldrich	New Roadway	20,000
	Smith Rd & Northwest Drive	Intersection Rehabilitation	250
	Lincoln Rd - II, Harborview Rd to SR 548	Reconstruction	5,000
	Marine Drive II, Alderwood Ave to Bridge No 172	Reconstruction	5,000
	Mt Baker Chamber Welcome Center Project	Construction	1,500
	Kendall Trail	Pathway Construction	6,500
<b>WTA</b>	BELLINGHAM TRANSIT STATION CONCOURSE	Construction	4,112
	REPLACE PARATRANSIT MINI BUSES	Purchase	4,542
	REPLACE FULL-SIZE DIESEL BUSES	Purchase	10,706
	REPLACE VANPOOL VANS	Purchase	453
	ELECTRIC BUS LEASE AND INFRASTRUCTURE INSTALLATION	Purchase	1,380
		<b>TOTAL</b>	<b>\$143,783</b>