2021 Urban Funding Application

for Urban Arterial Program (UAP)

Mail **ONE** signed application and required attachments to the TIB Office postmarked no later than **August 13, 2021**.
The mailing address for the TIB Office: Post Office Box 40901 ❖ Olympia WA 98504-0901
After mailing a hard copy, please email a copy of this workbook to Greg Armstrong at GregA@tib.wa.gov
For assistance contact Greg Armstrong, TIB Project Engineer, at (360) 586-1142 or email at GregA@tib.wa.gov

Agency Name	Federal Way	Legislative District(s)	30
Arterial Name	Pacific Hwy S (SR 99)	Congressional District(s)	9
Project Limits	South City Limits - Weigh Station	Find Districts	
Agency Contact	Rick Perez, P.E.	Phone Number	253-835-2740
Email Address	rick.perez@cityoffederalway.com		
Length in Miles	0.45 miles	Average Daily Traffic (ADT)	31,000
Speed Limit	50 MPH		
Functional Class	Urban Principal	Federal Route	0099

PROJECT INFORMATION

Fill out this section before continuing the rest of the application.

Enter Requested Total TIB Funds	**$2,500,000**
Project Type	**Reconstruction & Widening**
Is this project an intersection only?	**NO**
Is this project construction ready?	**NO**
Does the project support a specific commercial development site?	**NO**

Enter completed or target dates	**Date**	
Start Design	**Jan 2022**	#VALUE!
Environmental Documentation Complete & Permits Approved	**Jan 2023**	#VALUE!
Right of Way Acquisition Complete	**Sep 2024**	#VALUE!
PS&E Complete	**Sep 2024**	#VALUE!
Contract Award	**Nov 2024**	#VALUE!
Contract Completion	**Aug 2025**	#VALUE!

PROJECT FUNDING

Are TIB funds distributed proportionally through the project phases? YES Max TIB Ratio **80.0%**

Fill out total costs in F36 to F40. Do not fill in TIB Funds

Enter the Total Project Costs to the nearest dollar in cells F39 to F43

	Phase	Total Cost	TIB Funds	Local Funds
Design Phase	Design Engineering	450,000	298,408	151,592
	Right of Way	450,000	298,408	151,592
Construction Phase	Construction Engineering	260,000	172,414	87,586
	Construction Other	30,000	19,894	10,106
	Construction Contract	2,580,000	1,710,875	869,125
	TOTAL	**3,770,000**	**2,500,000**	**1,270,000**

NONELIGIBLE ENGINEERING Engineering exceeding 30% of eligible construction costs is not eligible for TIB reimbursement	**0**
OTHER NONELIGIBLE COSTS (for example, landscaping greater than **5%** of eligible construction contract costs, new utilities)	
TOTAL ELIGIBLE COST	**3,770,000**
TIB MATCHING RATIO Total TIB Funds/Total Eligible Costs	**66.3%**

FUNDING PARTNERS

Source	Public or Private	Commitment Letter or Status	Amount
Federal Way	Public	Budgeted	1,270,000
TOTAL			1,270,000
Local funds are correct			

Are you still seeking other funding for the project? YES

If yes, list other funding being sought: HSIP

APPLICATION ATTACHMENTS

Required for All Applications

- ☑ Excerpt from adopted Six-Year Transportation Improvement Program showing project
- ☑ Detailed vicinity map clearly showing project limits
- ☑ Detailed project cost estimate signed by a professional engineer registered in Washington State
- ☑ Typical roadway section(s) (please send digital copy through email also)
- ☐ Funding commitment letters from all funding partners Number Attached _____
- ☐ Excerpt from current agency Comprehensive Plan defining agency CBD & Urban Activity Center(s)
- ☐ Email excel workbook to GregA@tib.wa.gov
- ☐ Email WSDOT crash data for project limits to GregA@tib.wa.gov

If Applicable Only

- ☑ Traffic study stamped by a Washington State Professional Engineer (to be considered under the mobility band).
- ☑ Crash Analysis worksheet (to be considered under the safety band). Link to Request Crash Data from WSDOT
- ☐ Bridge sufficiency rating report
- ☑ Written concurrence from WSDOT if project is on or connects to a state highway
- ☐ Adopted Bicycle Plan if project includes bicycle facilities
- ☐ Development map showing development site(s)
- ☐ Excerpt from current agency Comprehensive Plan defining the economic development project
- ☐ Department of Archaeology & Historic Preservation (DAHP) concurrency letter, if completed

CERTIFICATION

Certification is hereby given that the information provided is accurate and the applicable attachments are complete and included as part of the application package

_____ _____

Agency Official Signature Date Signed

_____

Printed or Typed Name & Title

PROJECT DESCRIPTION

Identify the community's need for this project

This section of SR 99 has had an unusally high number of severe collisions, including 7 fatalities over the last 10 years (3 just in June 2021). Excessive speed for conditions and lack of access management and turn lanes have been contributing factors to this collision history. In addition, congestion in Fife and Puyallup have increased volumes and the intersection of S 373rd Street at SR 99 is forecast to have a failing level of service. In addition, a planned warehouse in Milton will exacerbate this condition. The City is working with this developer to provide mitigation funds for this project.

Identify the solution to the need described above

The City proposes to establish median control throughout the length of the project to reduce the severity of collisions from driveways and side streets, and construct a roundabout at the intersection of S 373rd Street to address the forecast level of service failure, accommodate additional development from Milton, and assist in managing speeds on SR 99.

Describe the project benefits and impact on the community

The project benefits the local community by providing safer access to side streets, reducing delay on side streets. Through traffic on SR 99 would benefit from the reduced risk of collisions with minimal additional delay. WSDOT and the City would benefit from reduced tort liability risk.

Does this project need a sidewalk deviation? **YES**

Describe the sidewalk deviation and provide justification

There are no sidewalks within one mile of the project, nor are any planned due to the zoning (5 acre minimum lot size) due to its proximity to Hylebos Creek, a salmon-bearing stream. Sidewalks will be limited to around the roundabout itself and be placed behind concrete curb and gutter.

Describe any Construction Other costs

WSDOT review and King County project support (including street light final inspection).

Describe any Noneligible costs

Federal Way - Pacific Hwy S (SR 99)

Not applicable

ROADWAY GEOMETRICS & FEATURES

Fill out the segment details below and intersection details in rows 138 to 148

Significant difference in cross section or ADT constitute a new segment. Additional segments can be added on the "Additional Segments" tab. If the project is an intersection only, skip this section

Project	SEGMENT ONE		SEGMENT TWO	
Segment Termini	South City Limits - SW 374th St / 1st Ave S		SW 374th St / 1st Ave S - S 373rd St	
Length (in feet)	792		581	
Average Daily Traffic Volume	31,000		31,000	
	Existing	Proposed	Existing	Proposed
Pavement Width Curb to Curb or Edge to Edge	62 feet	68 feet	62 feet	68 feet
Number of General Purpose Lanes Do **not** include Transit/HOV or Continuous Lt Turn Lane	4 lanes	4 lanes	4 lanes	4 lanes
Continuous Left Turn Lane Width	0 feet	0 feet	0 feet	0 feet
Shoulder or Parking Width Enter average width (feet) per side	8 feet	8 feet	8 feet	8 feet
Curb Placement	None	None	None	None
Bicycle Lane Type	No Bicycle Facilities	No Bicycle Facilities	No Bicycle Facilities	No Bicycle Facilities
Bicycle Lane Width	0 feet	0 feet	0 feet	0 feet
Pedestrian Buffer Width between Curb and Sidewalk	0 feet	0 feet	0 feet	0 feet
Sidewalk Placement	None	None	None	None
Sidewalk Width[1]	0 feet	0 feet	0 feet	0 feet
Is there a median?	No	Yes	No	Yes
Shoulder or Parking Placement	Both Sides	Both Sides	Both Sides	Both Sides
Shoulder or Parking Surfacing	Surfaced	Surfaced	Surfaced	Surfaced
Parking Type	None	None	None	None
Percentage of the segment that has on street parking (e.g. parking one side is 50%)	0%	0%	0%	0%

[1] Sidewalk with curb or physical separation on both sides is required by TIB policy
Minimum width is **five feet** with **no** obstructions
*Request deviation on row 96 if the sidewalk does **not** meet these standards*

	SEGMENT ONE (cont'd)		SEGMENT TWO (cont'd)	
Segment Termini	South City Limits - SW 374th St / 1st Ave S		SW 374th St / 1st Ave S - S 373rd St	
	Existing	Proposed	Existing	Proposed
Curb Placement	None	None	None	None
Storm Drainage	No	Yes	No	Yes
Segment meets ADA standards	No	Yes	No	Yes
Is there any street lighting present?	Yes	Yes	Yes	Yes
How many fixed objects are present?	0	0	0	0

Additional segments can be entered on tab 3 "Additional Segments". After printing put any additional segments into the application in order.

INTERSECTION GEOMETRICS & FEATURES

Enter the existing and proposed geometrics for each major intersection

	INTERSECTION ONE		INTERSECTION TWO	
Intersection location	SW 374th St / 1st Ave S		S 373rd St	
Major Approach Average Daily Volume	30,000		30,000	
Minor Approach Average Daily Traffic Volume	100		1,400	
	Existing	Proposed	Existing	Proposed
Intersection control	Stop controlled minor approaches	Stop controlled minor approaches	Stop controlled minor approaches	Roundabout
Intersection type	3-Leg	3-Leg	3-Leg	3-Leg
Intersection meets ADA standards	No	Yes	No	Yes
Is there intersection lighting present?	No	Yes	Yes	Yes
Is there a dedicated left turn lane	No	No	No	
Is there a dedicated right turn lane	No	No	No	No
Is there protected left turn phasing?	No	No	No	No

Additional intersections can be entered on tab 4 "Additional Intersections". After printing put any additional Intersections into the application in order.

UTILITY CONDITION

Fill in for each utility present or being installed. Fill out the bottom two rows of this table for any others

Type			Planned Improvements (funding, coordination, schedule)
Water	Age (years)	Condition	Water mains are in good condition and belong to franchise utility. Under franchise, any upgrades needed will be funded by the franchise utility.
		Good	
	Status	Funded	
Sewer	Age (years)	Condition	Not applicable. No sanitary sewer.
	Status	Funded	
Power	Age (years)	Condition	Power lines are all above ground on wood utility poles. No planned improvements. Any relocation will be required to be completed by franchise utility and no expense to the project.
	Status	Funded	
	Age (years)	Condition	
	Status	Funded	
	Age (years)	Condition	
	Status	Funded	

PROJECT DEFICIENCIES

Select Deficiency Type from the scrolling dropdown menu. Describe the existing deficiency within the project limits
Describe the corrective measure(s) that eliminates or mitigates the deficiency.

DEFICIENCY 1 **CHANNELIZATION**

Describe: Lack of left-turn lanes

Corrective Measure(s): Construct median control with U-turns and roundabout.

DEFICIENCY 2 **SKEWED INTERSECTION**

Describe: Angle of intersection at S 373rd Street is roughly 65 degrees

Corrective Measure(s): Construct roundabout

DEFICIENCY 3 **SKEWED INTERSECTION**

Describe: Angle of intersection at SW 374th Street / 1st Avenue S is roughly 25 degrees.

Corrective Measure(s): Prohibit left turns with median barrier.

DEFICIENCY 4 **ILLUMINATION**

Describe: Non-continuous lighting.

Corrective Measure(s): Construct continuous lighting.

DEFICIENCY 5 **ACCESS CONTROL**

Describe: Driveways and side street intersections not well-defined and lacking left-turn lanes for safer access.

Corrective Measure(s): Construct median barrier with U-turn bays and roundabout.

DEFICIENCY 6 **DRAINAGE**

Describe: No pretreatment for roadway run-off.

Corrective Measure(s): Water quality improvemetns will be constructed as part of this project for the storm run-off.

DEFICIENCY 7 **TURNING RADIUS**

Describe: Acute angle right/left turns at skewed S 373rd Street and at SW 374th Street / 1st Avenue S intersection make it difficult/impossible to make turns without lane encroachment.

Corrective Measure(s): Prohibit left turns with median barrier at SW 374th Street / 1st Avenue S, and construct roundabout at S 373rd Street

MOBILITY

CONGESTION

☑ Project addresses congestion on the system or specific adjacent route. Please describe below

S 373rd Street has a failing level of service with demand exceeding capacity. Planned development in Milton will add volume to this side street. Providing a roundabout at this intersection resolves the capacity issue.

NETWORK CONNECTIVITY

Select all that apply from the following list

☐ Completes corridor

Enter termini of corridor being completed

*Project must meet **ALL** of the following criteria to qualify as COMPLETES CORRIDOR*

- Project is last stage of corridor between logical limits
- Corridor is a minimum of 2 miles in length
- The entire corridor meets urban standards

☐ Completes gap between existing improvements

Existing improvements must meet urban standards

☐ Extends existing improvements

Existing improvements must meet urban standards

☑ Project does **not** complete or extend any existing improvements

☐ Project constructs a new road

MODAL ACCESS

Select transit facility access provided by project

One bus stop within project limits

Select non motorized path access provided by project

None

Select freight facility access provided by project

No Freight Facility Access Improvements

Mark ALL freight-carrying modes accessing the facility

☐ Airplane ☐ Rail ☐ Ship ☑ Truck

Enter Trucks per Day 1,400 trucks per day

☑ Project relieves a bottleneck. Please describe bottleneck and the solution below:

S 373rd Street has a failing level of service with demand exceeding capacity. Planned development in Milton will add volume to this side street. Providing a roundabout at this intersection resolves the capacity issue.

CENTRAL BUSINESS DISTRICT/URBAN ACTIVITY CENTER ACCESS

Select CBD/Urban Activity Center Access provided by project

Connects to Central Business District

Briefly describe the CBD/Activity Center access improvement

SR 99 provides access between Federal Way's CBD and Tacoma's CBD, as well as to the Port of Tacoma. The project would improve safety and travel time reliability along this corridor.

SIGNAL MANAGEMENT

☐ Project adds signal interconnect

☐ Project connects to Traffic Management Center (TMC)

COMMERCIAL GROWTH & DEVELOPMENT

You selected 'NO' under 'supports a specific commercial economic development site' in cell G20. You do not need to fill out this section, points will only be given in this section if there is a specific planned commerical development activity.

☐ Development fulfills the comprehensive plan (required for this section)

☐ Zoning is in place for this specific commerical development (required for this section)

Choose the description that best describes the status of the infrastructure tied to the economic development site?

Water at development

Sewer at development

Power at development

Percent of permits issued

Describe the development agreement, if one exists:

Please provide the following information regarding the ECONOMIC DEVELOPMENT SITE this project supports

Number of dwelling units

Total development site acreage

Number of jobs created

Commercial building square footage

Development Type

Choose the description that best describes where the economic **development site is located**.

Choose the description that best describes the **proximity** of the project to the economic development site.

PHYSICAL CONDITION

Does the project fix any of the following issues?

Walls: No — If yes, briefly describe:

Stormwater conveyance: No — If yes, briefly describe:

Bridges: No — If yes, briefly describe:

Bridge Sufficiency Rating:

Culverts: No — If yes, briefly describe:

Slope Stability: No — If yes, briefly describe:

Link to Freight and Goods map

Select Truck Route Classification from dropdown list:
T-1 ~ 10 Million Tons Annually

AGENCY POLICIES AND ORDINANCES

☑ Agency has adopted Complete Streets ordinance

Enter Ordinance Number 18-859 Adoption Date December 4, 2018

☑ Agency has adopted Greenhouse Gas Emissions Policy

Enter Policy Number NEP94 Adoption Date June 16, 2015

☐ Agency has adopted TBD or other locally dedicated transportation funding by ordinance

Enter Ordinance Number _____ Adoption Date _____

SUSTAINABILITY

MODAL MEASURES

Select modal measures within the project limits

☐ Adds Queue Jump or Transit Only Lane Enter Location(s) _____

Number of peak hour buses 4

Bicycle Facility

Select option that applies NO bicycle lane or path

ENVIRONMENTAL MEASURES

Select environmental measures within the project limits

☑ Incorporates low impact drainage or enhanced treatment stormwater controls

Describe the measures below:

Pervious sidewalk and water quality treatment will be provided.

☑ Incorporates Hardscaping or climate-appropriate planting and no permanent irrigation

Describe the measures below:

Various hardscaping features incorporated into the project include the sidewalk, retaining walls, and the center island of the roundabout.

ENERGY MEASURES

Select energy measures within the project limits

☑ Add Solar-powered Signage

Describe the measures below

Advance flashing yellow beacons on roundabout warning signs for SR 99 approaches to the roundabout will be provided.

RECYCLING MEASURES

☐ In-place pavement recycling or structural retrofit

Describe the measures below

CONSTRUCTION READINESS

Describe where in the process the project is for each component at the time of application

Plans, specs, estimate percent complete	**0%**
Permits	**Not started**
Right of way	**Not started**
Cultural resources	**Not Started**
Utilities	**No utility work needed**
Are federal permits required for this project?	**No**

ACCELERATED CONSTRUCTION METHODS

☐ Road will be closed during construction

Describe below any other accelerated construction methods that will be used and justify why the road cannot be closed.

Full closure isn't possible on weekdays as SR 99 is a heavily used route for commuters and freight to and from the Port of Tacoma. Weekend closures are possible.

GROWTH MANAGEMENT INFORMATION

Complete the questions below to address Land Use Implications as directed by Revised Code of Washington (RCW) 47.26.282.

Describe how the project supports or revitalizes existing urban development in the downtown

Improving safety for all users and non-motorized connectivity between centers would support existing downtown urban development.

Describe how the project includes or encourages infill/densification of residential or commercial development consistent with your local comprehensive plan?

Improving safety for all users and non-motorized connectivity between centers would support and encourage increased densification in this area between the urban activity centers along SR99 and downtowns of Federal Way and Tacoma.

Describe how the project promotes the use of transit and other multimodal transportation

Currently, there are no protected crosswalks for over 2 miles on a 4-lane roadway with 45 and 50 mph speed limits. The roundabout provides a safe crossing for non-motorized traffic and improves access to bus stops on either side of SR 99.

Indicate the project's multimodal transportation components

Mark ALL existing or planned components

☐ Sidewalk ☐ Bicycle Lanes ☐ HOV Lanes ☐ Access to Transit Center or Passenger Terminal

☑ Other - Explain in space below

Roundabout at S 373rd Street provide safer crossing opportunities for bicyclists and pedestrians, improving transit access.

Transportation Improvement Board (TIB)

Growth Management Information

Funding Program	**Urban Arterial Program (UAP)**
Agency Name	**Federal Way**
Project Name	Pacific Hwy S (SR 99) ~ South City Limits - Weigh Station
Project Intent	The project benefits the local community by providing safer access to side streets, reducing delay on side streets. Through traffic on SR 99 would benefit from the reduced risk of collisions with minimal additional delay. WSDOT and the City would benefit from reduced tort liability risk.

Describe how the project supports or revitalizes existing urban development in the downtown

Improving safety for all users and non-motorized connectivity between centers would support existing downtown urban development.

Describe how the project promotes the use of transit and other multimodal transportation

Currently, there are no protected crosswalks for over 2 miles on a 4-lane roadway with 45 and 50 mph speed limits. The roundabout provides a safe crossing for non-motorized traffic and improves access to bus stops on either side of SR 99.

The project adds the following multimodal components:

Other Multimodal Components:

Roundabout at S 373rd Street provide safer crossing opportunities for bicyclists and pedestrians, improving transit access.