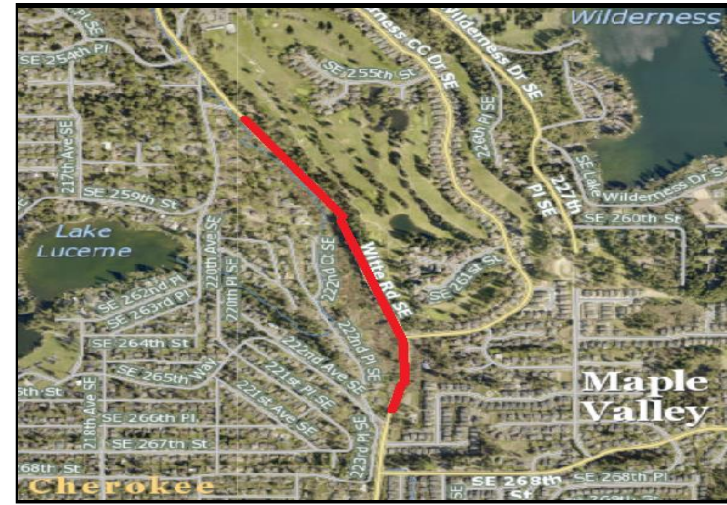


City of Maple Valley
6 Year
Transportation Improvement Program
2024 – 2029





Project: T-23 Annual Asphalt Overlay Program

Beginning Termini: City Wide

Ending Termini:

Project Length: Varies

TIP Ranking: n/a

Potential Funding Sources:

City: \$ 400,000 (Annual)

Other:

Est Project Timeline:

PE:

ROW:

CONS: 2024-2029

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This project provides annual funding for the City's pavement management program. Based on an annual review of the condition of the City's roadways, a road segment or segments are selected for repair or overlay to maintain the integrity of the City's street system. In 2012, the City adopted a Transportation Benefit District (TBD) to fund various transportation improvements; The City started collecting the fee mid 2013 monthly with a distribution from the State of Washington. The annual collection amounts are typically \$400,000.

For 2024, the overlay program is planned for Witte Rd from SE 256th St to 222nd Pl SE.

Starting 2025, the overlay program is planned for streets in Cedar Down neighborhood.



Project: T-24 Miscellaneous Street Improvements

Beginning Termini: City Wide

Ending Termini:

Project Length: Varies

TIP Ranking: n/a

Potential Funding Sources:

City: \$100,000 (Annual)

Grant:

Est Project Timeline:

PE:

ROW:

CONS: 2024-2029

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This project provides annual funding for small projects. The focus of the project for the last few years has been neighborhood traffic enhancements, intersection improvements, school zone safety enhancements. The program, based on an annual review of near-term needs and opportunities, may fund improvements to sidewalks, street connections, traffic signals, crosswalk flashing beacons, and minor reconstruction. Given the limited funding available, priority will be given to improvement projects that are supported through partnerships or where the investment can be combined with other City projects.

For 2024 and 2025, some projects that are programmed are guardrail repairs, bridge inspection and repairs, signal UPS, and permanent message boards.



Project: T-27 Non-Motorized Plan Implementation

Beginning Termini: City Wide

Ending Termini:

Project Length: Varies

TIP Ranking: n/a

Potential Funding Sources:

City: 2024 - \$25K; 2025 - \$50K
2025-29 - \$100 (Annual)

Est Project Timeline:

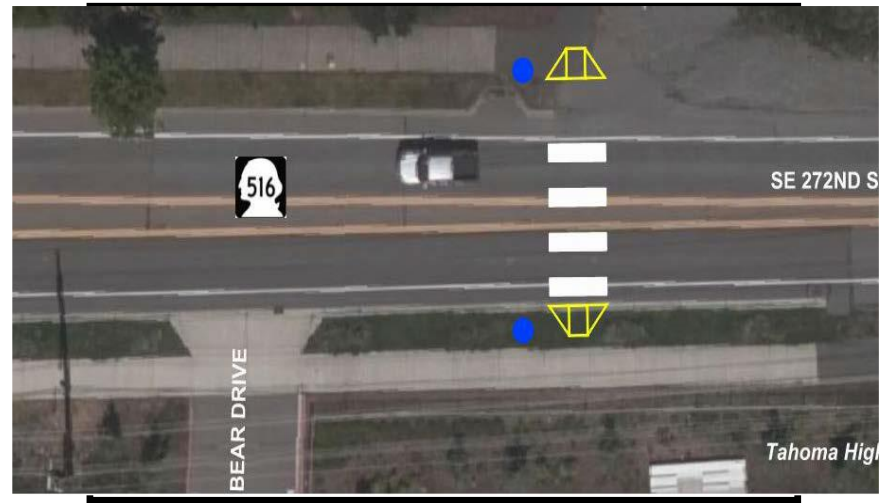
PE:
ROW:
CONS: 2024-2029

Existing Conditions:

Traffic Count: Varies
No. of Lanes: Varies
Lane Widths: 10-12 feet
Sidewalk: Varies
Sidewalk Width:
Bike Lanes: Varies
Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the non-motorized transportation plan adopted in 2012, projects in the Local Roads Safety Plan, and projects as directed by the City Council. Projects include improvements to short sections of sidewalks, trails, bikeways, and wayfinding signage. Funds may also be used as the local match for grants.

The City continues to apply for WSDOT funding to implement non-motorized projects identified in the Local Roads Safety Plan, T27a, T27b, and T27c.



Project: T-27b SR 516 Crossing Enhancements at THS

Beginning Termini: SR 516

Ending Termini: E/O SE Bear Blvd

Project Length:

TIP Ranking: N/A

Potential Funding Sources:

City: \$ 50K

Grant: \$ 302K

Est Project Timeline:

PE: 2023

ROW:

CONS: 2023-2024

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP. This project provides for crossing enhancements in various locations in the City.

The City applied for Safe Route To School grant in 2020 for SR 516 Crossing Enhancements at Tahoma High School project as identified in the Local Roads Safety Plan. A grant was awarded in 2022 to be funded for construction to start in 2023. The project is to install advance warning standard flashing beacons, marked crosswalk (includes illumination), rectangular rapid flashing beacons, ADA curb ramp retrofits, and safe routes to school walk or bike encouragement programs.



Perimeter Lit Stop Sign



Speed Feedback Sign

Project: T-27C Safety Enhancements Project - LED signs and speed radar signs

Beginning Termini: Citywide

Ending Termini: Citywide

Project Length:

TIP Ranking: N/A

Potential Funding Sources:

City:
Grant: \$ 317K

Est Project Timeline:

PE: 2023
ROW:
CONS: 2023-2024

Existing Conditions:

Traffic Count: Varies
No. of Lanes: Varies
Lane Widths: Varies
Sidewalk: Varies
Sidewalk Width: Varies
Bike Lanes: Varies
Shoulder Widths: Varies

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP. This project provides safety enhancements for LED stop signs, LED speed limits signs, and speed radar feedback signs at various locations in the City.

The City applied for Highway Safety Improvement Program (HSIP) grant funding for this project and was awarded \$317K in 2022. Design to be started in 2023 and construction is planned for 2023 to 2024.

Project Budget

Design:	\$ 45K
Construction	\$272K
TOTAL PROJECT COST:	\$317K



Project: T-28b3 Witte Road Roundabout at SE 254th Pl

Beginning Termini: North of SE 254th Pl

Ending Termini: SE 256th St

Project Length: 1000 ft

TIP Ranking: n/a

Potential Funding Sources:

City: \$ 6,490K

Grants: \$ 613K

Other: \$ 307K

Est Project Timeline:

PE: 2020-2022

ROW: 2023

CONS: 2023-2024

Existing Conditions:

Traffic Count: 14,700 ADT

No. of Lanes: 2

Lane Widths: 11 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: None

Shoulder Widths: 2 feet

3 Yr Collision History:

Property: 2

Injuries: 5

Fatalities: 0

Basis for Project: Extending improvements on Witte Road south of Witte Rd Phase 3 North Project, the project includes improvements and widening of Witte Rd to provide sidewalks on west side and bike lanes for both directions to a complete streets level of service, a roundabout at the intersection of SE 254th Pl, intersection improvements at 256th intersection, and installation of fish passage culvert at SE 254th Place.

Undergrounding of overhead utilities and relocated watermain was completed in Phase 2 in 2020, and Phase 3 North Corridor Improvement project was completed in 2021.

Design and ROW for this project are completed in 2022. Construction started in April 2023.

Project Budget

Design: \$0 in 2024 (Completed in 2022)

ROW Acquisition \$0 in 2024 (Completed in 2023)

Construction Management \$ 550K

Construction \$ 6,860K

TOTAL PROJECT CN COST: \$ 7,410K (\$1,000K in 2024) 7



Project: T-45 SR 169 Widening- 4

Beginning Termini: SE 253rd Place

Ending Termini: SE 260th Street

Project Length: 2300 feet

TIP Ranking: n/a

Potential Funding Sources:

City: \$12M
 Grants: \$3.5M –TIB
 Others: \$6.5M - Devlp. Mitgtn.

Est Project Timeline:

PE: 2021-2023
 ROW: 2023
 CONS: 2024-2025

Existing Conditions:

Traffic Count: 26,000 ADT
 No. of Lanes 2-3
 Lane Widths: 12 feet
 Sidewalk: None
 Sidewalk Width:
 Bike Lanes: None
 Shoulder Widths: 4-8 feet

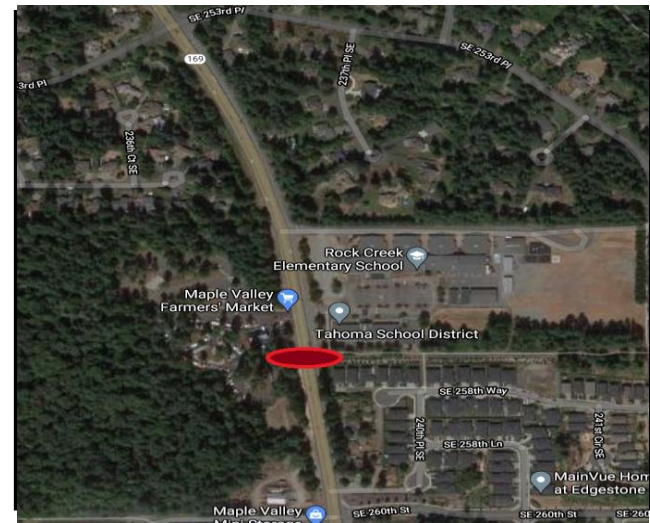
3 Yr Collision History:

Property: 7
 Injuries: 3
 Fatalities: 2

Basis for Project: This SR 169 corridor project will improve traffic operation, safety, access management, and non-motorized amenities in the vicinity of the Legacy Site between SE 260th Street and SE 253rd Place. Proposed improvements include widening SR 169, sidewalks and bicycle lanes on both sides of the highway, street lighting, surface water enhancements, and roundabout intersection improvements at SR 169/SE 260th St and SR 169/SE 253rd Place. Access improvements at Rock Creek Elementary school and the Legacy Site will also be included as well as school traffic improvements.

Project Budget

Design:	\$ 1.8M
ROW Acquisition	\$ 1.0M
Construction Management	\$ 2.2M
Construction	\$17.0M
TOTAL PROJECT COST:	\$22.0M



Project: T-57 SR 169 Pedestrian Bridge

Beginning Termini: Rock Creek Elementary School

Ending Termini: Legacy Site

Project Length: 290 ft

TIP Ranking: n/a

Potential Funding Sources:

City: \$500K

Grants: \$7.7M

Est Project Timeline:

PE: 2024-2025

ROW: N/A

CONS: 2026

Existing Conditions:

Traffic Count: 26,000 ADT

No. of Lanes 2-3

Lane Widths: 12 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: None

Shoulder Widths: 4-8 feet

3 Yr Collision History:

Property: 7

Injuries: 3

Fatalities: 2

Basis for Project:

This project includes the design and construction of a pedestrian bridge on SR 169 near SE 258th St. SR 169, a classified State Highway of Significance, has developed from a rural highway to a freight and commuter highway serving 26,000 vehicles per day. The pedestrian bridge would be designed to connect communities east and west of SR 169. It would serve as a gateway into the City's future downtown and Legacy Site public amenities, the King County Regional Cedar to Green River Trail, and the MV Farmers' Market. It would connect parking lots on the Legacy Site and Rock Creek Elementary School as well as reduce the SR 169 traffic flow during event days by encouraging non-motorized access from adjacent neighborhoods. The project is included in the state Move Ahead Washington Bill to receive \$5M funding. The project also received \$ 878,148 PSRC TAP grant funding for design phase.

Project Budget

Design \$1.1M

ROW Acquisition

Construction Management \$ 1.0M

Construction \$ 6.1M

TOTAL PROJECT COST: \$ 8.2M



Project: T-36 SR 169 Widening - 2

Beginning Termini: SE 240th Street
Ending Termini: SE 244th Street
Project Length: 2700 feet
TIP Ranking: n/a

Potential Funding Sources:

City \$ 1.4M
 Grants: \$11.2M –TIB/PSRC

Est Project Timeline:

PE: 2023-2026
ROW: 2026
CONS: 2027-2028

Existing Conditions:

Traffic Count: 24,000 ADT
 No. of Lanes 3+
 Lane Widths: 12 feet
 Sidewalk: One side Partial
 Sidewalk Width: 5 feet
 Bike Lanes: None
 Shoulder Widths: 4 feet +

3 Yr Collision History:

Property: 18
Injuries: 3
Fatalities: 0

Basis for Project: The segment in the series of capacity improvements on the SR 169 corridor south of T39 project; this project adds an additional lane in both directions to include medians, sidewalks, bicycle lanes, improved transit stops, street lighting, and enhanced storm drainage. This eliminates a bottleneck for traffic traveling to and from SR 18 and Wilderness Village shopping area. This project also include intersection improvements at side street intersections (228th, 231st, 244th).

Project Budget

Design:	\$1,000K
ROW Acquisition	\$ 500K
Construction Management	\$1,200K
Construction	\$9,900K
TOTAL PROJECT COST:	\$12.6M



Project: T-62 Witte Rd SE/222nd Pl SE/SE 268th St
Interim Intersection Improvements

Beginning Termini: 222nd Pl SE
Ending Termini: SE 268th St
Project Length: 600 feet
TIP Ranking: n/a

Potential Funding Sources:

City: \$ 600K
 Grants:
 Other:

Est Project Timeline:

PE: 2026
 ROW:
 CONS: 2026

Existing Conditions:

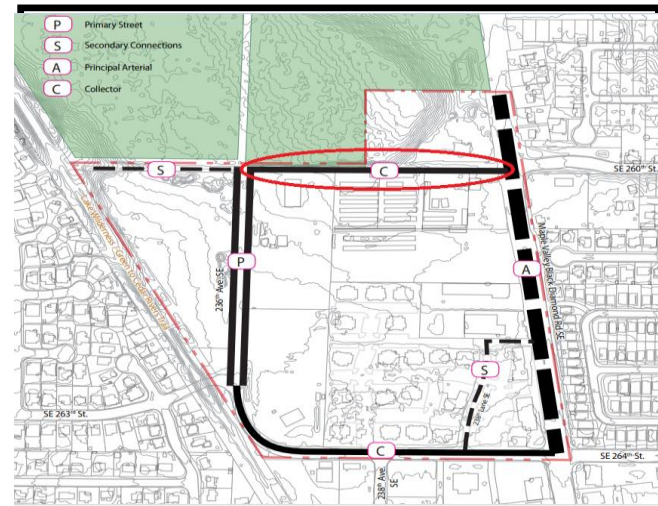
Traffic Count: 15,000 ADT
 No. of Lanes 2-3
 Lane Widths: 11 feet
 Sidewalk: None
 Sidewalk Width:
 Bike Lanes: None
 Shoulder Widths: 4-6 feet

Basis for Project: The intersections of Witte Rd SE at 222nd Pl SE and at SE 268 St has experienced operational delays and safety concerns. This project would evaluate the feasibility, design, and construct interim intersection improvements to provide center turn lanes on Witte Rd for operation and safety enhancements.

Project engineering feasibility, design, and construction of this project is planned for 2026.

Project Budget

Design: \$ 150K
Construction \$ 450K
TOTAL PROJECT CN COST: \$ 600K



Project: T-58 SE 260th St From Main St to SR 169

Beginning Termini: Main St

Ending Termini: SR 169

Project Length: 1000 feet

TIP Ranking: n/a

Potential Funding Sources:

City:
 Developer:
 Grants: \$ 5M (Tax Inc. Fin.)

Est Project Timeline:

PE: 2025
 ROW: 2026
 CONS: 2028

Existing Conditions:

Traffic Count: n/a
 No. of Lanes: 2
 Lane Widths: 9 ft
 Sidewalk: n/a
 Sidewalk Width: n/a
 Bike Lanes: n/a
 Shoulder Widths: n/a

3 Yr Collision History:

Property: N/A
 Injuries: N/A
 Fatalities: N/A

Basis for Project:

The city is undergoing master planning of the Maple Valley Downtown and Legacy Site developments. SE 260 St is one of the future collector streets serving both of these developments connecting future Main St to SR 169. The south side of the 260th St will be improved as part of the frontage improvements for downtown development projects. This project is to improve SE 260th St to a collector street with one lane each direction, sidewalks and bike lane on the north side.

Project Budget

Design:	\$ 500K
ROW Acquisition	\$ 200K
Construction Management	\$ 500K
Construction	\$3,800K
TOTAL PROJECT COST:	\$5M



Project: T-61 SR 169 Widening Improvements

Beginning Termini: SE 240th Street

Ending Termini: SE 244th Street

Project Length: 2700 feet

TIP Ranking: n/a

Potential Funding Sources:

City \$120K
Grants: \$480K –TIB/PSRC

Est Project Timeline:

PE: 2029
ROW: TBD
CONS: TBD

Existing Conditions:

Traffic Count: 25,000 ADT
No. of Lanes 3+
Lane Widths: 12 feet
Sidewalk: One side Partial
Sidewalk Width: 6 feet
Bike Lanes: None
Shoulder Widths: 4 feet +

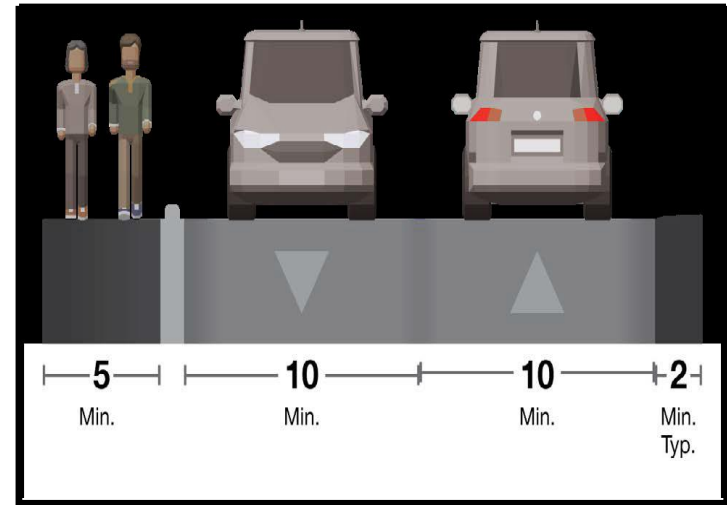
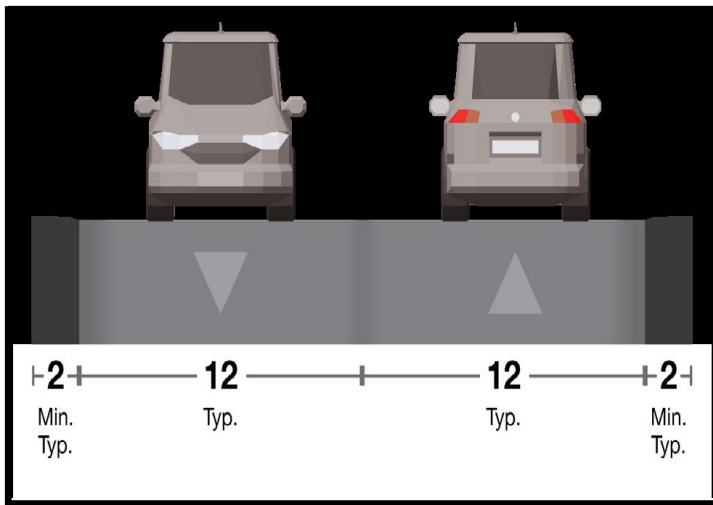
3 Yr Collision History:

Property:
Injuries:
Fatalities:

Basis for Project: This segment is in the series of capacity improvements on the SR 169 corridor between T36 and T45; This project would complete the SR 169 corridor widening improvements to add an additional lane in both directions to include medians, sidewalks, bicycle lanes, improved transit stops, street lighting, and enhanced storm drainage. This eliminates a bottleneck for traffic traveling to and from SR 18 and Wilderness Village shopping area. This project also include intersection improvements at side street intersections (250th, 251st).

Project Budget

Design: \$600K
ROW Acquisition: TBD
Construction Management: TBD
Construction: TBD
TOTAL PROJECT PE COST: \$600K



Project: T-27a Curbed Walkway Improvements

Beginning Termini: Various, citywide as identified LRSP

Ending Termini:

Project Length: Varies

TIP Ranking: n/a

Potential Funding Sources:

City: \$ 77K

Grant: \$488K

Est Project Timeline:

PE: 2028

ROW:

CONS: 2029

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

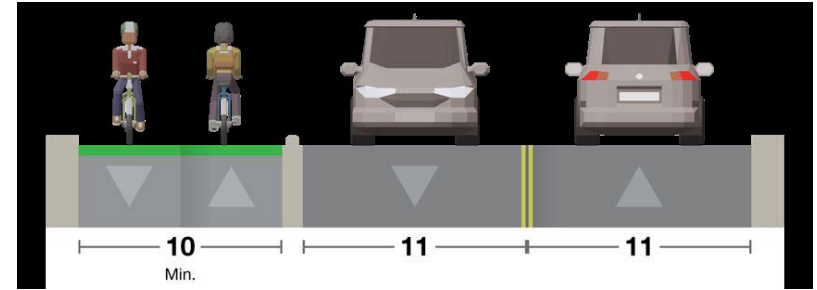
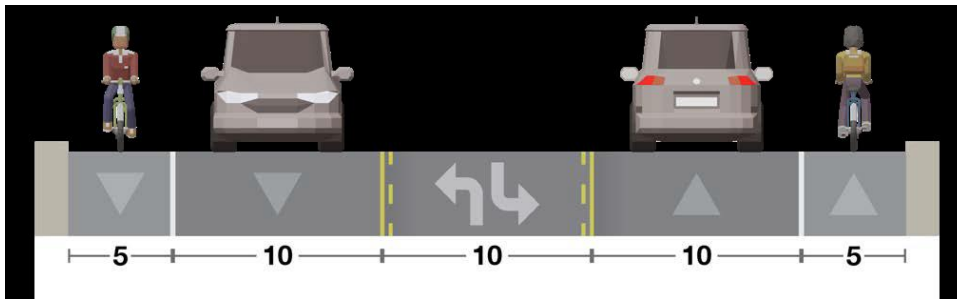
Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP.

To bridge gaps between existing pedestrian facilities and limit the locations where pedestrians must use the roadway, asphalt pathways will be constructed within the existing right of way. In some of these locations, an existing wide roadway shoulder will be repurposed as the walkway, narrowing vehicle lanes, with concrete curbing, painted white and enhanced with vertical markers for visibility, will provide a physical barrier between the walkway and travel lanes. Some locations may require widening of the shoulder or paving of currently unpaved paths to provide the pedestrian connection. This project provides for separated walkways in various locations in the City.

Design and construction would be scheduled and completed as grant funding becomes available.



Project: T-27f Cedar to Green River Trail Access

Beginning Termini: SE 264th Street

Ending Termini: CTGR Trail Access

Project Length: Varies

TIP Ranking: n/a

Potential Funding Sources:

City: \$ 30,000

Grant: \$ 192,000

Est Project Timeline:

PE: 2028

ROW:

CONS: 2029

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP.

This project would extend existing bike lanes at the intersection of SE 264th Street and SR-169 to the intersection with 238th Ave SE. On the west side of 238th Ave SE, an RRFB protected crossing, marked for cyclists and pedestrians, would cross all active transportation traffic to the south side of the road. A crosswalk at the west side of the 238th Ave SE intersection will align with an access point for an under construction multifamily residential neighborhood north of SE 264th Street. From the crossing point, a two-way active transportation facility, separated by a physical barrier will provide bicycle and pedestrian connections to the trail access point, 400 feet west of 238th Ave SE.

Design and construction would be scheduled and completed as grant funding becomes available.



Project: T-27e Wax Road Shoulder Widening and Utility Undergrounding

Beginning Termini: SE 237th Street

Ending Termini: City Limits

Project Length: 1,350 feet

TIP Ranking: n/a

Potential Funding Sources:

City: \$ 125,000

Grants: \$ 495,000

Est Project Timeline:

PE: 2028

ROW: N/A

CONS: 2029

Existing Conditions:

Traffic Count: 10,000 ADT

No. of Lanes 2

Lane Widths: 11 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: None

Shoulder Widths: 2 feet

3 Yr Collision History:

Property: 1

Injuries: 1

Fatalities:

Basis for Project: Roadway shoulder significantly narrows from SE 237th street to the City Limits on both sides of the road and sight distance is limited. Pedestrians and bicyclists routinely traverse this section from the end of the City sidewalks to the widened paved shoulder at the City limits. Undergrounding utilities and widening paved shoulder to five feet on both sides will help provide a higher level of safety.

Item No	Description	Item Cost
1	Mobilization & Site Prep	\$34,000
2	Earthwork & Subgrade	\$185,000
3	Road way Surfacing	\$72,000
4	Sidewalk Elements	\$30,000
5	Storm Drainage	\$30,000
6	Bridge/Walls/Structures	\$0
7	Environmental Mitigation	\$0
8	Street Lights	\$0
9	Traffic Elements	\$35,000
10	Misc. Construction Elements	\$71,000
	Construction SUBTOTAL	\$457,000
	Contingency	\$68,000
	Construction Management	\$25,000
	Project SUBTOTAL	\$550,000
	Design Engineering	\$70,000
	ROW Acquisition	\$0
	Project Total Cost	\$620,000