



13B: 9th Ave SE Pedestrian Improvements (Crystal Springs Elementary to SR 524)

12A: 228th Street SE Pavement Preservation

7: 228th St SE from 35th Ave SE to 39th Ave SE Widening Project

12E: 228th St SE Pavement Preservation (2nd Ave to 5th Ave)

12C: 228th St SE Pavement Preservation (2nd Ave to 9th Ave)

26: 240th St SE / 35th Ave SE Intersection Improvements

12F: Bothell Everett Highway Overlay

11: Bothell-Everett Highway Interim Rechannelization

25: Conversion of Multi Way Boulevard/Crossroad Lights

4: 240th St SE/Meridian Ave S Roundabout Intersection

6: Beardslee Boulevard Widening (Campus to I-405)

21: 243rd St SE/ NE 203rd St Connector

27: Bothell Way NE Rookery Repair

10: Bothell Way NE Widening (Reder Way to 240 St SE)

13A: 130th Pl NE and 132nd Ave NE Sidewalk Improvements

22: Bothell Downtown Center Access Improvements to SR 522 BRT and Transit

8: NE 185th Street Transit Oriented Street

2: Bothell Crossroads

24: 102nd Ave Bridge Replacement

3: SR 522, Stage 3 Improvements

9: SR 522 Stage 2B Improvements

- Not Shown on Map:**
- 5 - Adaptive Signal Control System, Phase 2
 - 12 - Annual Pavement Preservation Program
 - 12B- Juanita Woodinville Way/NE 160th St Pavement Preservation
 - 13 - Sidewalk/Walkway Program
 - 14 - Safety Upgrade and Replacement Program
 - 15 - Bridge Inspection, Maintenance, Repair & Rehabilitation Program
 - 16 - Neighborhood Traffic Calming Program
 - 17 - Bicycle Program
 - 18 - Collector Corridor Traffic Safety Program
 - 19 - Comprehensive Plan - Transportation Element
 - 20 - Citywide Child Pedestrian School and Park Zone Safety Program
 - 23 - Crosswalk Program
 - 23A - Rectangular Rapid Flashing Beacons at School Crossings

**2021 - 2026
Six Year Transportation
Improvement Program**



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Six-Year Transportation Improvement Program (TIP)

Project Descriptions

TIP #1: North Creek Trail – Section 4

Project Type: Trail/Sidewalk

Description: North Creek Trail is a seven-mile regional, multi-use trail connecting the Burke-Gilman/Sammamish River Trail in King County and the Interurban Trail at McCollum Park in Snohomish County. This project will complete the missing link between the proposed Snohomish County portion of the trail and the existing Bothell portion of the trail. This trail will consist of a separated 12' wide multi-purpose paved path and will connect to the planned Snohomish County North Creek Trail north of the SR 524 and the North Creek Trail Section 3 in Bothell. This project may consist of an elevated boardwalk structure over the wetland areas. This project will be constructed in 3 phases – Phase 1 (Filbert Road to east side of Centennial Park entrance), Phase 2 (Centennial Park entrance to east side of North Creek bridge), and Phase 3 (east side of North Creek bridge to NCT3).

TIP #2: Bothell Crossroads

Project Type: Capacity/Economic

Description: The project realigned SR 522 to the south of the existing SR 522 to create new "T" intersections at Bothell Way and 98th Avenue NE. Bothell Way and 98th Ave NE were extended from Main Street to the new SR 522. The roadway consists of two lanes in each direction with turn lanes, sidewalks, and landscaping. This project will remain in the TIP until required mitigation area maintenance is completed in 2022.

TIP #3: SR 522, Stage 3 Improvements

Project Type: Capacity

Description: The project is a continuation of the SR 522 Stage 1 and 2 improvements. It will provide road improvements and business access and transit (BAT) lanes from the end of the Stage 1 and 2 improvements at 96th Ave NE to 83rd Place NE (the western city limits). Key elements include: Widening of general purpose lanes; adding BAT lanes in each direction (including the missing eastbound direction of the BAT lane from 91st Avenue NE to approximately 800 feet west of the 96th Avenue NE intersection); access management; center medians; interconnection of signals; sidewalk (north side only with the existing Sammamish River/Burke Gilman Trail on the south side); curb and gutters; retaining walls; street illumination; drainage improvements; landscaping; and utility undergrounding. The total project length is approximately 4,000 linear feet.

TIP #4: Meridian Avenue S and 240th Street SE Roundabout

Project Type: Safety/Capacity

Description: This project will construct a roundabout at the intersection of 240 Street SE and Meridian Ave S. In addition, sidewalks, crosswalks, Americans with Disabilities Act (ADA) ramps, drainage, and illumination will be installed.

TIP #5: Adaptive Signal Control System, Phase 2

Project Type: Capacity

Description: This project is the second phase of the project that will install adaptive signal control systems in City traffic signals to improve traffic circulation and reduce delay. This project will install the systems in thirteen (13) Bothell intersections along Bothell Way (NE 191st St to SR 522) and SR 522 (96th Ave NE to Campus Way S). A regional federal grant was awarded for this project which is under Snohomish County's lead. Adaptive signal control technology adjusts the timing of red, yellow, and green lights to accommodate changing traffic patterns and ease traffic congestion. The main benefits of adaptive signal control technology over conventional signal systems are that it can: 1) Continually distribute green light time equitably for all traffic movements, 2) Improve traffic time reliability by progressively moving vehicles through green lights, 3) Reduce congestion by creating smoother flow, and 4) prolong the effectiveness of traffic signal timing.

TIP #6: Beardslee Boulevard Widening (Campus to I-405)

Project Type: Capacity

Description: This project provides an additional eastbound lane along Beardslee Boulevard from 110th Avenue NE (the entrance to the UWB/CCC Campus) to I-405. The project will include roadway widening, concrete curb and gutter, bike lane, signal modifications, trail relocation, street illumination, retaining walls, and wetland mitigation.

TIP #7: 228th Street SE from 35th Avenue SE to 39th Avenue SE Widening Project

Project Type: Capacity

Description: This project will improve 228th St SE between 35th St SE and 39th Ave SE for approximately 1500 feet in length with an additional 300 feet of 228th St SE west of 35th St SE. Work will include improving intersections at 35th Ave and 39th Ave and widening 228th St SE as necessary to accommodate the heavy turning movements associated with the intersections. The project will include roadway widening, signal modifications, storm water improvements, concrete curbs, gutters, sidewalks, bike/pedestrian facilities, street lighting, landscaping and wetland mitigation.

TIP #8: NE 185th Street Transit-Oriented Street (Beardslee Blvd to Bothell Way)

Project Type: Capacity

Description: This project will provide transit improvements on 98th Ave NE, between SR 522 and Bothell Way NE, and on NE 185th Street, between Bothell Way NE and Beardslee Boulevard. Work on 98th Ave NE will primarily include intersection modifications/improvements at NE 183rd St as well as some channelization modifications north of the intersection. It will also include intersection modifications on NE 185th St at Bothell Way NE, 101st Ave NE and 102nd Ave NE with traffic signals installed at the 104th Avenue NE and Beardslee Boulevard. Transit stations are anticipated near the King County Library, at 104th Ave NE, and near Husky Village on Beardslee Boulevard. The work will be coordinated with necessary water, sewer, and storm water utility improvements along NE 185th St. If funding is available, pavement rehabilitation may occur. The project is currently a Sound Transit project that would be funded (except for utility work) by Sound Transit 3 funds. The project scope, budget, and timeline is dependent on Sound Transit's allocation of funding.

TIP #9: SR 522, Stage 2B Improvements

Project Type: Capacity

Description: This project will provide transit improvements on SR 522 between 96th Ave NE (Wayne Curve) and 98th Ave NE. Improvements could be in the form of a westbound or eastbound business, access, and transit (BAT) lane. If so, it will also install curb, gutter, drainage, landscape strip, sidewalk, and lighting on the side of the installation. The project could also install queue jumps to allow transit to efficiently move through the corridor at intersections. The project is currently a Sound Transit project that would be funded (except for utility work) by Sound Transit 3 funds. The project scope, budget, and timeline is dependent on Sound Transit's allocation of funding.

TIP #10: Bothell Way Widening (Reder Way to 240th Street SE)

Project Type: Capacity

Description: This project will widen Bothell Way NE from Reder Way to 240th Street NE from 2 lanes to 4 or 5 lanes: 2 through-lanes in each direction, a two-way left turn where needed, intersection improvements, protected bicycle lanes, landscaping strips, and sidewalks. The work includes street lighting, retaining walls, removing and replacing "fish barrier" culverts, storm drain system improvements, water / sewer improvements, and wetland mitigation. The project is anticipated to be divided into 3 segments: King County Phase 1 and 3, and Snohomish County Phase 2. The King County Phase 1 and Snohomish County Phase 2 segments will construct about 1/3 of the project at each end. The King County Phase 3 will construct the remaining middle third section.

TIP #11: Bothell-Everett Highway Interim Rechanelization at 242nd Street SE

Project Type: Condition

Description: The outer edge of the embankment on which Bothell-Everett Highway between 240th Street SE and 242nd Street SE was originally constructed is not stable. This became apparent after a geotechnical investigation/analysis was completed as a result of a failing rockery. This project will shift the Bothell-Everett Highway (BEH) north of 242nd Street SE to the west by approximately one lane's width to remove traffic loading from the edge of the slope. The median will be eliminated and the lanes restriped. This is an interim measure until such time that a permanent solution can be funded. The permanent solution is estimated to cost over \$3 million and will likely take place with the Bothell Way NE/Bothell-Everett Highway Widening project

TIP #12: Annual Pavement Preservation Program

Project Type: Program

Description: This is a program that analyzes and rates pavement condition throughout the City using a Pavement Management System and extends roadway life using various treatment methods such as crack sealing, slurry sealing, patching, and asphalt overlays. City funds are augmented with grant funding when available. See current overlay project TIP #12A to 12F below for potential grant-funded overlay projects.

TIP #12A: 228th Street SE Pavement Preservation (19th Avenue SE to Bothell-Everett Highway and Portions West)

Project Type: Condition

Description: This project includes rehabilitating the existing pavement on 228th Street SW from the West City limit to 6th Ave W, and on 228th Street SE from Bothell-Everett Highway to 19th Avenue SE. The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

TIP #12B: Juanita-Woodinville Way and NE 160th Street Pavement Preservation

Project Type: Condition

Description: This project includes rehabilitating the existing pavement on Juanita-Woodinville Way NE (from NE 145th Street to 115th Avenue NE) and on NE 160th Street (from 121st Avenue NE to 124th Avenue NE). The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

TIP #12C: 228th St SE from 2nd Ave SE to 9th Ave SE Pavement Preservation

Project Type: Condition

Description: This project includes rehabilitating the existing pavement on 228th St SE (from 2nd Ave SE to 9th Ave SE). The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

TIP #12D: NE 195th Street Pavement Preservation (from just west of I405 to North Creek Parkway)

Project Type: Condition

Description: This project includes rehabilitating the existing pavement on NE 195th St (from just west of I-405 to North Creek Parkway). The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

TIP #12E: 228th St SW & SE from 5th Ave W to 2nd Ave SE Pavement Preservation

Project Type: Condition

Description: This project includes rehabilitating the existing pavement on 228th St SW and SE (5th Ave W to 2nd Ave SE). The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

TIP #12F: Bothell-Everett Highway Pavement Preservation

Project Type: Condition

Description: This project includes rehabilitating the existing pavement on Bothell-Everett Highway (240th St SE to just south of I-405). The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

TIP #13: Sidewalk/Walkway Program

Project Type: Program

Description: This program addresses missing links in the City's pedestrian network and Americans with Disabilities Act (ADA) needs. Sidewalk needs are inventoried and prioritized using a methodology that accounts for proximity to schools, public services, and low-income housing; missing sidewalk and curb ramps; street classification; collision data; and citizen requests. ADA facilities such as ramps and pedestrian buttons are inventoried as well. See current overlay project TIP #13A to 13B below for potential grant-funded projects.

TIP #13A: 130th Place NE and 132nd Avenue NE Sidewalk Improvements

Project Type: Sidewalk

Description: The Proposed improvements consist of concrete sidewalk, planting strip buffer, curb and gutter, storm drainage, ADA curb ramps and crosswalks on the west side of 132nd Ave NE and 130th Pl NE between NE 184th Pl and NE 195th St in the City of Bothell and the City of Woodinville.

TIP #13B: 9th Ave SE Pedestrian Improvements: North Phase (North of Crystal Springs Elementary to SR 524)

Project Type: Sidewalk

Description: This project will provide a safe and continuous walk route for students who live north of Crystal Springs Elementary School, including the residential neighborhoods north of 208th Street SE (SR 524). The project will complete missing segments of sidewalk to provide a continuous sidewalk on the east side of the street between 209th Pl SE and 215th St SE. The improvements include sidewalk, curb, gutter, and storm drainage. Crossing improvements are proposed at the intersection of 9th Ave SE and 213th St SE, which include striped crosswalks, pedestrian flags, and ADA compliant curb ramps.

TIP #14: Safety Upgrade and Replacement Program

Project Type: Program

Description: This project provides funding for safety improvements to the transportation infrastructure. Types of safety upgrade and replacement include guardrails, signage, minor curb replacement, removal of line-of-sight obstructions.

TIP #15: Bridge Inspection, Maintenance, Repair, and Rehabilitation Program

Project Type: Program

Description: This program funds bridge inspection, maintenance, minor repair, and minor rehabilitation work to the City's existing bridges. The program upholds commuter and pedestrian safety as well as essential emergency access. Major bridge rehabilitation, repair or replacement needs that are identified via the inspection program are funded in the City's Capital Facilities Plan (CFP) as specific projects.

TIP #16: Neighborhood Traffic Calming Program

Project Type: Program

Description: This program consists of developing and implementing neighborhood traffic calming projects throughout the City based on the established criteria in the City's adopted Neighborhood Traffic Calming Program.

TIP #17: Bicycle Program

Project Type: Program

Description: This program inventories existing bicycle facilities to identify missing gaps and safety issues and maintains a City-wide bicycle system plan. The inventory and plan prioritizes the bicycle projects. The program provides funding to complete projects in order to meet the goals of the overall plan including but not limited to storage and bike racks.

TIP #18: Collector Corridor Traffic Safety Program

Project Type: Program

Description: This program addresses mobility and safety improvement needs along collectors. Many of these corridors are located in the residential areas where the residents experience high-speed traffic in large volumes.

TIP #19: Comprehensive Plan – Transportation Element

Project Type: Planning

Description: The City's Comprehensive Plan undergoes a comprehensive plan update every eight years. At that time significant transportation planning and analyses must be accomplished to support the plan vision. In intermediate years, amendments are made to the plan to address changing conditions, issues, and needs. Often, these amendments affect the City's transportation system and analyses must be completed to determine their effects. This line item provides resources to support this on-going planning process.

TIP #20: Citywide Child Pedestrian School and Park Zone Safety Program

Project Type: Program

Description: This program addresses child pedestrian safety needs specifically related to schools and parks. Projects associated with this program include, but are not limited to, street crossings, sidewalk gap fill-ins, and installation of signs.

TIP #21: 243rd Street SE/NE 203rd Street Connector

Project Type: Capacity

Description: This project includes a new street connection between Bothell-Everett Highway and 88th Avenue NE. The easterly portion of this new street has been constructed in conjunction with the developer of the Safeway property. The new roadway would traverse private properties located in the southerly portion of the Red Barn Village special district within the Country Village/Lake Pleasant/Bothell-Everett Highway Subarea. It is intended that the 243rd Street SE/NE 203rd Street Connector be constructed by the private sector in conjunction with the development of those properties through which the street would extend.

TIP #22: Bothell Downtown Center Access Improvements to SR 522 BRT and Transit (Phase 1 – 102nd Ave)

Project Type: Sidewalk

Description: This project will replace existing damaged sidewalks in the north-south direction on 102nd Ave NE between NE 185th Street and the north end of the 102nd Ave NE Bridge in order to connect transit users with the downtown businesses. The work will consist of reconstructing sidewalks, curb ramps, tree wells, and installing lighting to provide safe and accessible routes that meet ADA requirements to and from multimodal corridors.

TIP #23: Crosswalk Program

Project Type: Program

Description: This program addresses safe pedestrian crossings. The City has budget to design and build approximately one crosswalk a year, more if grant funding is obtained. The City maintains a list of proposed crosswalks based on scoring criteria. See current overlay project TIP #23A below for potential grant-funded projects.

TIP #23A: Rectangular Rapid Flashing Beacons at School Crossings

Project Type: Safety

Description: This project installs rectangular rapid flashing beacons (RRFB) at school crossings. The scope also includes construction of ADA ramps, curb work, necessary pedestrian landings, signs, and other associated work at pedestrian crossings on 9th Ave SE (at 226th St SE), 104th Ave NE (at NE 200th St), and 112th Ave NE (at NE 160th Pl).

TIP #24: 102nd Ave NE Bridge Replacement

Project Type: Condition

Description: This project will replace the existing 102nd Avenue NE Bridge, including reconstruction of the roadway approaches.

TIP #25: Conversion of Multiway Boulevard and Crossroads Street Lights to Puget Sound Energy

Project Type: Economic/Capacity

Description: The lighting system power cabinets need to be rehabilitated in order for Puget Sound Energy to take over maintenance of the lighting system.

TIP #26: 240th St SE & 35th Ave SE Intersection Improvements (Traffic Signal or Roundabout)

Project Type: Capacity

Description: Adds traffic signal or roundabout with required channelization modifications, lighting, sidewalk, and approach work.

TIP #27: Bothell Way NE Rockery Repair

Project Type: Condition

Description: This project provides a small, but critical, repair to an existing 8-foot tall retaining wall rockery that has experienced displacement of rocks. This repair will prevent the backfill supporting the adjacent road from washing out. While the repair work will likely be completed prior to 2021, monitoring and maintenance of the stream restoration requirements will be required for 5 years.