

SIX-YEAR TRANSPORTATION IMPROVEMENT PROGRAM

Project Descriptions (2023-2028)

[SP127] - Residential Street Resurfacing

Historically, this program consists of hot mix asphalt (HMA) overlays on an average of 1.0 mile of residential streets annually. The HMA overlay program began in 1989. Prior to that, the City's primary pavement resurfacing program was chip sealing and slurry sealing. In 2011, the City returned to using chip sealing (on a limited basis) as another tool for street pavement preservation. To date, chip seal projects have been performed in 2011, 2013, and 2018. The Residential Street Preservation Program also improves about one substandard street per biennium, as the need arises.

The City's pavement condition data is an integral part of determining the locations and schedule of future residential street asphalt overlays and chip seal work. Pavement Condition Index (PCI) data was collected in 2013, 2016, and 2019 and is planned again for collection in 2022. When PCI falls below a score of 70, staff considers a roadway for resurfacing. For roadways with resurfacing needs that also have pending utility work (storm drainage, new water main, etc.), these roadways are typically scheduled for paving in the years following completion of that major utility work. The timing and limits of residential street resurfacing work in future TIPs may change, as determined by updated pavement condition information.

Some of the residential roadways planned for future HMA repaving are listed below. Other roadways may be added or the timing of these streets below may change based on when and where water main construction, storm drainage construction, franchise utility work, and major housing projects occur.

- In 2023, roadways in the south end neighborhood of Island Point (84th Avenue, SE 80th and SE 82nd Streets) will be resurfaced, as well as SE 78th Street in front of Lakeridge Elementary School. These roadways have PCI's ranging from Fair to Very Poor to Failed. In addition, the Madrona Crest West area (SE 36th, SE 37th, SE 39th Streets, and 86th Avenue) is planned for an HMA overlay. These roadways were significantly impacted by City watermain construction in 2016. Staff has been delaying this work due to a large number of housing redevelopment projects in the neighborhood and the utility cuts and driveway work that is associated with new home construction.
- For 2024, the Madrona Crest East neighborhood (bounded by 88th and 90th Avenues, and SE 36th and SE 40th Streets) will received HMA paving following a large watermain replacement project in that same neighborhood, scheduled for construction in 2022. Current PCI's for this area range from Fair to Very Poor to Failed. In addition, portions of SE 27th Street and 74th Avenue on First Hill will be repaved after watermain replacement work.
- In 2025, the neighborhood streets comprised of SE 60th and SE 61st Streets and 90th, 92nd, 93rd, and 94th Avenues (east of Island Crest Way) are planned for repaving. PCI's of these roads are in the Fair, Poor, and Very Poor ranges. Additionally, portions of SE 47th Street,

84th Avenue, and 86th Avenue, lying west of Island Crest Way will be repaved. These roadway PCI ratings range from Fair to Very Poor to Failed.

- Potential roadways to resurface in 2026 include SE 58th and SE 59th Streets and 91st Avenue (lying east of Island Crest Way) and several streets in the First Hill neighborhood, including portions of 70th, 71st, and 74th Avenues.
- For 2027 and 2028, likely residential paving work will occur in the Mercerwood neighborhood on portions of 93rd, 94th, 95th, 96th, and 97th Avenues, following watermain replacement work.

Arterial Street Improvements

- **[SP128] Arterial Preservation Program** work continues annually. The purpose of this program is to extend the life of arterial streets proactively, by repairing isolated pavement failure areas through crack sealing, square cut patching, and grinding and repaving of full-lane-width segments. Crack sealing extends the life of existing pavements by sealing out water intrusion.
- **[SP129] North Mercer Way (7500 block to Roanoke Way)**. This project will resurface North Mercer Way with an HMA overlay in 2023. The roadway was last repaved in 1994 and its current PCI ratings are in the Fair and low Satisfactory ranges. Work scope will include repaving the roadway and the adjacent eastbound pedestrian shoulder.
- **[SP130] West Mercer Way (SE 56th Street to East Mercer Way)** is planned for resurfacing in 2028 with hot mix asphalt overlay. This roadway was last repaved in 1995 with an HMA overlay. Its current PCI's are in the low Satisfactory range and its condition will continue to slowly decline. Patching and crack sealing have both been performed in recent years. This is a placeholder for paving. The actual timeframe could be later and will be determined based on updated PCI's.
- **[SP131] Gallagher Hill Road (SE 36th Street to SE 40th Street)** is proposed for resurfacing with an HMA overlay in 2025. Last repaved in 1988, Gallagher Hill Road's current PCI rating is in the Fair range and staff believes that by 2025 its rating could decline to Poor.
- **[SP132] SE 40th Street (88th Avenue SE to 93rd Avenue SE)**. This project will resurface SE 40th Street with a grind and HMA overlay process. It is planned for 2025, after completion of nearby water main replacement projects in 2022 and 2024. Paving will be couple with the SE 40th Street sidewalk improvements from Gallagher Hill Road to 93rd Avenue SE [SP140]. Sidewalks and bike lanes between 88th Avenue SE and Gallagher Hill Road were constructed in 2018.
- **[SP133] SE 36th Street (Gallagher Hill Road to East Mercer Way)**. This project will resurface SE 36th Street with an HMA overlay in 2025. This roadway was rebuilt in the mid 1980's by WSDOT as part of the I-90 freeway improvements. Its current PCI rating is Fair; but is expected to decline further in the coming years. This pavement has performed well, but will be nearly 40 years old in 2025, and will need resurfacing. Project elements will also include sidewalk repairs for ADA compliance.

- **[SP134] North Mercer Way (8400 Block to SE 35th Street).** This project will resurface North Mercer Way with an HMA overlay in 2026. Work will also include sidewalk repairs for ADA compliance and resurfacing of nearby SE 26th Street (Island Crest Way to 84th Avenue). This portion of North Mercer was last repaved in 1994 by WSDOT at the end of the I-90 freeway construction. While its PCI ratings are in the Satisfactory and Fair ranges, staff believes PCI's will drop into the Poor range by 2025, after completion of the upcoming King County North Mercer Interceptor Sewer pipe project.
- **[SP135] SE 27th Street (76th Avenue SE to 80th Avenue SE)** will resurface SE 27th Street from 76th Avenue to 80th Avenue in the Town Center with a grind and HMA overlay of the existing roadway in 2024, after construction of the light rail station is complete. This roadway was last resurfaced in 1994 and its current PCI is in the Fair range.
- **[SP150] East Mercer Way (SE 36th Street to SE 40th Street).** This project will resurface this portion of East Mercer Way with a HMA overlay in 2027. Last repaved in the mid-1980's by WSDOT, this roadway's current PCI is in the low Satisfactory range and staff believes it will drop to Fair by 2027.

Pedestrian and Bicycle Facilities – New

- **[SP138] West Mercer Way Roadside Shoulders – Phase 4 (8100 WMW - 8400 EMW).** This project will build a new paved shoulder from the 8100 block of West Mercer Way around the south tip of the Island to the 8400 block of East Mercer Way. Construction is planned for 2024. This is the final phase of West Mercer Way shoulder development.
- **[SP139] Gallagher Hill Road Sidewalk Improvement (SE 36th Street to 40th Street).** This project will complete a gap in the City's sidewalk infrastructure on Gallagher Hill Road by connecting SE 40th Street to the SE 36th Street/North Mercer Way intersection at the bottom of Gallagher Hill. The project, proposed for construction in 2025, will build concrete curb, gutter, and sidewalk along the east side of the roadway in conjunction with the planned resurfacing of Gallagher Hill Road [SP131].
- **[SP140] SE 40th Street Sidewalk Improvements (Gallagher Hill Road to 93rd Avenue SE).** Proposed for construction in 2025, this project will build concrete curb, gutter, sidewalk, and bike lane along the south side of SE 40th from Gallagher Hill Road to 93rd Avenue SE, and along the north side from Gallagher Hill Road to Greenbrier Lane. This project will complete the PBF infrastructure along SE 40th Street between Island Crest Way and Mercerwood Drive by providing continuous, uniform sidewalk and bike routing along both sides of the street. This project is a high priority request of the School District staff and supports "Safe Routes to School" principles for the schools and facilities within the School District campus and a bus stop location for Islander Middle School. The adjacent roadway will be repaved after completion of this work through an arterial street overlay [SP132].
- **[SP141] ADA Transition Plan Implementation** is a biennial program to design and construct spot improvements to pedestrian facilities citywide to meet compliance standards established by the Americans with Disabilities Act (ADA). Beginning in the 2026 biennium, following work completed in the Town Center under the East Link Mitigation category, this project will address compliance issues across the island as identified by the City's ADA Transition Plan.

- **[SP145] PBF Plan Implementation** is an annual program to identify, prioritize, design and construct small spot improvements and gap completion projects to pedestrian and bicycle facilities citywide as identified in the PBF Plan. Specific projects for this program have not yet been identified or prioritized for construction. Proposed focus is on implementation of signage and pavement markings to support sharing of the road by all users and completion of missing links in sidewalk or trails to fill gaps in the PBF system.
- **[SP146] 77th Avenue SE Channelization (SE 32nd to North Mercer Way).** This project will modify existing channelization to provide on-street parking from SE 32nd to SE 27th Streets in the Town Center and provide sharrows in the northbound and southbound travel lanes to connect to the I-90 Mountains to Sound trail in accordance with Town Center street standards described in MICC 19.11.120. This project is a placeholder and may be modified in the future based on the results of the Town Center Parking Study currently underway.
- **[SP148] East Mercer Way Roadside Shoulders - Ph 11 (SE 79th St. to 8400 block).** This project will create a new paved shoulder from SE 79th St to the 8400 block. This is the final phase of the Mercer Way Roadside Shoulder projects and will remove the last gap in pedestrian and bicycle facilities along East Mercer Way's entire 4.8-mile length. Construction is planned for 2026.

East Link Traffic/Safety Mitigation Projects

- **[SP142] Island Crest Way Corridor Improvements (90th Avenue SE to SE 63rd Street).** A number of traffic safety and operation concerns were identified as part of the Island Crest Way Corridor Safety Analysis in 2022. This project will include planning and development to address deficiencies along a one-mile segment of Island Crest Way, including:
 - Lighting Study (upgrading pedestrian and roadway lighting to meet illumination standards)
 - Shared-Use Path Pre-Design (analysis of space requirements, constraints, and alternatives)
 - Crosswalk Improvements Project (design and construction of multiple crossings to improve/complete gaps in the network)
 - Design Feasibility Study (planning level analysis of major roadway reconfigurations including a roundabout at SE 68th Street and right turn lane at SE 53rd Place)
 - Tree Condition Assessment (evaluation of all trees in the right-of-way to study health, risks, and maintaining the street tree canopy).
- **[SP136] 80th Avenue SE Sidewalk Improvements (SE 28th Street to SE 32nd Street).** This project will reconstruct curbs, sidewalks, and ADA ramps, primarily along the east side of 80th Avenue, and replace street trees with a new design that will allow space for trees to mature without sidewalk damage. Work along 80th Avenue will also include replacement of the outdated street lighting fixtures. This section of 80th Avenue was not rebuilt during the 1994-1996 Town Center Streets reconstruction effort and suffers from significant sidewalk damage from tree roots, poor ADA accessibility, and poor sidewalk lighting. Design work on this project began in 2019, with construction originally anticipated in 2020; however, work scope has increased significantly and construction is now reprogrammed for 2023.
- **[SP137] 78th Avenue SE Sidewalk Improvements (SE 32nd Street to SE 34th Street).** This project proposes to replace curbs, sidewalks, and street trees along the east side of the

roadway with a new design that will allow space for new street trees to mature without sidewalk damage. In addition, ADA accessibility and street lighting would be improved on both sides of the roadway. This section of 78th Avenue was not rebuilt during the 1994-1996 Town Center Streets reconstruction effort and suffers from significant sidewalk damage from tree roots. Design work is planned to start in 2024 and construction is planned for 2025.

- **[SP147] SE 32nd Street Sidewalk Replacement (77th to 78th Avenues).** This proposed project will replace the sidewalk and street trees on the south side of the roadway to address damage and uplift caused by existing street trees. This wide sidewalk provides access to Mercerdale Park and has historically been used during the Farmer's Market and Summer Celebration. This project will be coupled with the 78th Avenue Sidewalk
- **[SP144] North Mercer Way Park and Ride Frontage Improvements.** This project will modify the frontage of the North Mercer Way Park and Ride by removing the bus bay on the north side of the roadway, widening the I-90 Mountains to Sound trail to meet current standard for a multi-use facility, providing a mixing zone at 80th Ave SE crossing, improving sight lines at the western driveway access, relocating street lighting, and providing a new landscape area to match existing landscape. This project is planned for construction after the East Link Station is open and bus drop off/pick up is no longer needed on the north side of the road.
- **[SP141] ADA Transition Plan Implementation** is a biennial program to design and construct spot improvements to pedestrian facilities citywide to meet compliance standards established by the Americans with Disabilities Act (ADA). For the 2023-2024 biennium, Locations prioritized by the ADA Transition Plan in the Town Center will take precedence in anticipation of the East Link Station opening in 2023.

Other

- **[SP143] Minor Capital – Traffic Operations Improvements** is a biennial program to provide minor capital transportation improvements City-wide to address traffic operations issues and concerns. Typical projects include upgrading signs to new mandated standards, channelization modifications or improvements, roadway safety improvements, upgrading traffic signals for increased efficiency and safety, and new or revised street lighting.
- **[SP149] Pedestrian and Bicycle Facilities Plan (PBF Plan) Update** is proposed for the 2026-2027 biennium to provide a comprehensive update to the current PBF Plan, last updated in 2010 from the original 1996 plan. Over time, standards have changed and new facilities have been built. Updates to the Plan will incorporate the results of the ADA Transition Plan, evaluate the use of urban street design guidelines such as NACTO, and identify/evaluate projects, provide a preliminary scope of work, and establish priorities of work with the intention of providing a roadmap, foundation, and timeline for future improvements.
- **[SPXXX] SE 27th Street Realignment Study.** This project aims to determine the impacts to traffic safety and operations for a potential realignment of SE 27th Street in the Town Center. The proposed alignment would alter the intersection of SE 27th Street and 76th Avenue SE to form a 4-way intersection, removing the curve section of the roadway and reconstruct curb space on adjacent properties.

Unfunded PBF Projects – Beyond 2028

- **84th Avenue SE Sidewalk Improvements (SE 33rd Place to SE 36th Street).** This project proposes to install concrete curb, gutter, and sidewalk along the east side of 84th Avenue SE to provide a “safe walk route” for Northwood Elementary and the High School. It is a medium priority request of the School District.
- **86th Avenue SE Sidewalk Improvements (SE 42nd Street to Island Crest Way).** This project proposes to install concrete curb, gutter, and sidewalk along the east side of 86th Ave SE to provide a walking facility where none currently exists. The project will complete a missing link in the sidewalk network and connect Island Crest Way and adjacent neighborhoods to the High School, Northwood Elementary School, the Mary Wayte Pool, and PEAK. Drainage work will be required, and road widening to provide shared space for bicycles is a potential element.
- **Merrimount Drive Sidewalk Improvements (Island Crest Way to West Mercer Way).** The project proposes to install concrete curb, gutter, and sidewalk along both sides of Merrimount Drive. The project improves walkability by providing a defined route and place for school kids to walk and wait for the school bus or walk to West Mercer Elementary. The project was requested by several property owners living adjacent to Merrimount Drive. The estimated cost is approximately \$960,000.
- **78th Ave SE Sidewalk Improvements (SE 40th – SE 41st).** This project proposes to install concrete curb, gutter and sidewalk along the west side of 78th Ave SE to provide a walking facility where none currently exists. The project will create a connection from the adjacent neighborhood to SE 40th Street, providing access to the Town Center and West Mercer Elementary School.
- **92nd Avenue SE Sidewalk Improvements (SE 40th Street to SE 41st Street).** This project will build concrete curb, gutter, and sidewalk along the west side of 92nd Avenue to provide a “safe walk route” for Northwood Elementary and the High School, as well as a bus stop location for Islander Middle School. The estimated cost is \$610,000. This project will complete a missing link on 92nd Avenue by connecting with sidewalks the School District constructed in 2015 along the High School frontage, creating a continuous sidewalk from SE 40th to SE 42nd Streets. This project may be eligible for TIB or SRTS Grant funding. This is a low/moderate need for the School District. City and District staff will monitor the need and may propose in a future TIP.