

ORIGINAL

RESOLUTION NO. 315

A RESOLUTION OF THE CITY COUNCIL THE CITY OF SHORELINE, WASHINGTON, ADOPTING A SIX-YEAR (2012-2017) TRANSPORTATION IMPROVEMENT PROGRAM AND DIRECTING THE SAME TO BE FILED WITH THE STATE SECRETARY OF TRANSPORTATION AND TRANSPORTATION IMPROVEMENT BOARD.

WHEREAS, the City Council of the City of Shoreline has previously adopted a Comprehensive Plan including a six-year Transportation Improvement Program required by RCW 35.77.010 as part of the Transportation Element of the Plan, and

WHEREAS, the City Council of the City of Shoreline has reviewed the work accomplished under the said Program, determined current and future City Street needs, and based upon these findings a Six-Year Transportation Improvement Program for the ensuing six (6) calendar years has been prepared as part of the Annual Capital Improvement Plan update, and

WHEREAS, a public hearing was held on the Six-Year Transportation Improvement Program on June 20, 2011.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SHORELINE, WASHINGTON, HEREBY RESOLVES AS FOLLOWS:

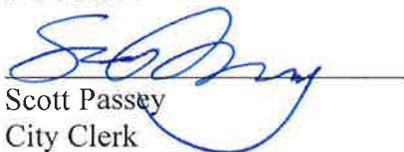
Section 1. Program Adopted. The Six-Year Transportation Improvement Program for the City of Shoreline for the ensuing six (6) calendar years (2012-2017 inclusive) attached hereto as Exhibit A and incorporated herein by this reference, which Program sets forth the project location, type of improvement and estimated cost thereof, is hereby adopted.

Section 2. Filing of Program. Pursuant to Chapter 35.77.010 RCW, the City Clerk is hereby authorized and directed to file a copy of this resolution forthwith, together with the Exhibit attached hereto, with the Secretary of Transportation and a copy with the Transportation Improvement Board for the State of Washington.

ADOPTED BY THE CITY COUNCIL ON JUNE 27, 2011.


Keith A. McGlashan, Mayor

ATTEST:


Scott Passey
City Clerk

2012-2017 Transportation Improvement Program

Pedestrian/Non Motorized Improvements

FUNDED

1. **Curb Ramp, Gutter and Sidewalk Program:** The ongoing Curb Ramp, Gutter and Sidewalk Program includes:
 - Design and construction of curb ramps in compliance with the Americans with Disabilities Act (ADA) standards
 - Installing wheelchair detection loops, and audible pedestrian signals
 - Repairing and replacing existing cement concrete gutters and sidewalks damaged by tree roots, cracking or settlement
 - Constructing new sidewalk panel sections to fill existing gaps in the pedestrian walkway
2. **Traffic Safety Improvements:** This new program combines the Traffic Small Works Program with the Neighborhood Traffic Safety Program (NTSP) into a single program, but with greater flexibility to address priority traffic and pedestrian safety concerns on both arterial and local streets. The primary purpose of this program will be to investigate traffic and pedestrian safety concerns, evaluate possible alternatives, and implement spot improvement projects to improve safety and enhance the livability of neighborhoods. The program will continue to work closely with neighborhoods to address cut-through traffic and neighborhood safety issues, and implement priority projects as identified in the Neighborhood Traffic Action Plans. Seeks grant-funding sources for modeling new pedestrian safety concepts and traffic calming devices.
3. **Briarcrest School Safe Routes to School:** This project will construct sidewalks and/or walkways to Briarcrest School including NE 155th St from 27th Ave NE to approximately 28th Ave NE, NE 158th St from 25th Ave NE to 28th Ave NE and 27th Ave NE from NE 150th St to NE 155th St.

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4. **Ashworth Ave N – N 195th St to N 200th St:** This project will construct a sidewalk to complete a route between N 185th St and Echo Lake Park and the Aurora Village Transit Center.
5. **Linden Ave N – N 175th St to N 188th St:** Construct sidewalk on the both sides of Linden Ave N between N 175th and N 182nd Streets. The project will tie into sidewalks constructed by Fred Meyer on the east side of Linden Ave N. Linden Ave N has multifamily housing and ties into the pedestrian crossing by Shorewood High School.
6. **Interurban/Burke-Gilman Connector – Northern Route:** Construct improvements to strengthen the connection between Shoreline's Interurban Trail and the Burke-Gilman Trail to the east. The route runs along N/NE 195th St from the Interurban Trail to 10th Ave NE, 10th Ave NE to Perkins Way NE and Perkins Way NE to the City limits. Other projects may include walkways, separated trails, signage and improvements to the NE 195th Street bridge over I-5. The City will work with Lake Forest Park to ensure facilities are coordinated.
7. **Bicycle System Completion:** This project will implement a comprehensive bicycle signing and channelization program throughout Shoreline. Bicycle facilities will include dedicated lanes, sharrows and freestanding signage, as well as wayfinding signs directing riders to local and regional destinations.

8. **Ballinger Way NE – 19th Ave NE to 25th Ave NE:** Construct curb, gutter and sidewalk along the south side of Ballinger Way NE. The project will define driveways, improve drainage, provide safer access to the bus stop and provide a needed sidewalk.
9. **5th Ave NE – NE 175th St to NE 185th St:** Provide sidewalks on both sides of 5th Ave NE. This is a key linkage and safety project. It links Shoreline Center and the future Sound Transit light rail station with the King County Library and is part of a bus route.
10. **15th Ave NE – NE 150th St to NE 165th St:** Project will complete the missing sidewalk system on the east side of 15th Ave NE along Fircrest and Hamlin Park, which is a key missing link in the sidewalk system. Design will be coordinated with Fircrest Master Planning.
11. **NW 195th St – Fremont Ave N to 8th Ave NW:** This project will complete a sidewalk system that is partially in place on the south side of NW 195th Street. It will improve pedestrian safety and accessibility on this corridor, which has schools at both ends.
12. **25th Ave NE – NE 145th St to NE 150th St:** Construct sidewalks on both sides of the street.
13. **25th Ave NE – NE 165th St to NE 168th St:** This will extend the recently completed priority sidewalk project on the east side of the street south of NE 165th to NE 168th Streets, which is a major school route.
14. **Greenwood Ave N – N 145th St to N 155th St:** Construct walkways from N 145th St to N 151st St on the east side of the roadway and N 151st St to N 155th St on the west side.
15. **Fremont Ave N – N 165th St to N 205th St:** Almost no sidewalks are present on this street. Construct sidewalks on both sides of the street. Install bicycle lanes on both sides of the street. Fremont Ave N passes by two schools and a City park.
16. **NE 205th St – 3rd Ave NE to 6th Ave NE:** Construct sidewalks on the south side of the street to improve pedestrian safety and access to an existing bus stop.
17. **N 192nd Street pedestrian and bicycle bridge at Aurora Ave N:** This project will construct a pedestrian and bicycle bridge across Aurora Ave N at N 192nd St to facilitate safer nonmotorized travel from the Interurban Trail and the South Echo Lake development to the park and ride/future TOD site.
18. **1st Ave NE – NE 192nd St to NE 195th St:** This project will complete the missing three block segment in the sidewalk system on the west side of the road.
19. **Firlands Way N – N 185th St to N 195th St:** This project would construct sidewalks on both sides of the road, with natural stormwater drainage systems.
20. **20th Ave NW – Saltwater Park entrance to NW 195th St:** Provide sidewalks and bicycle lanes on both sides of the road or a multi-purpose trail with landscaping on one side of the road.
21. **19th Ave NE – Forest Park Drive NE to NE 205th St:** This project would construct sidewalks on both sides of the street.
22. **NE 150th St – 17th Ave NE to 20th Ave NE:** Construct a sidewalk on the north side of the street. This project will fill a gap in the existing sidewalk from 15th Ave NE to 25th Ave NE and allow the City to stripe bicycle lanes on ten blocks of NE 150th Street by setting the northern curb.

- 23. Westminster Way N – Greenwood Ave N to N 155th St:** This project will complete the sidewalks along this busy street. This roadway segment connects two heavily used transit corridors, is part of a freight corridor and accesses a variety of commercial services. Gaps exist in the sidewalks on both sides of the road. A landscaped center left turn lane may be installed in conjunction with this project.
- 24. 1st Ave NE – NE 145th St to NE 155th St:** Construct a sidewalk on the west side of the street. This sidewalk serves Twin Ponds Park and transit corridors on NE 145th and NE 155th Streets. These improvements may be required as mitigation by Sound Transit if a light rail station is sited at I-5 and NE 145th St.
- 25. 6th Ave NW – NW 175th St to NW 180th St:** Construct a sidewalk on one side of this steep roadway. This sidewalk will serve Boeing Creek Park and Sunset School Park.
- 26. Richmond Beach Saltwater Park Pedestrian Bridge:** Repair/maintain and replace the pedestrian bridge at the park. Repair work includes replacement of the bridge deck, the addition of lateral bracing, repair of a specific pile cap and removal of an abandoned, asbestos wrapped utility line. Repair and maintenance is estimated to cost \$100,000-\$300,000 and should occur within three years. Replacement is estimated to cost \$500,000-\$750,000.
- 27. NE 150th St – 25th Ave NE to 28th Ave NE:** Construct a sidewalk on the south side of the street. This project will connect the existing sidewalks at 25th Ave NE and 28th Ave NE, as well as intersect with the sidewalk to be constructed on 27th Ave NE as part of the Safe Routes to School project.

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1. **Aurora Corridor Improvement Project:** This project begins at N 165th St and extends to N 205th St. The project scope of work includes adding Business Access and Transit (BAT) lanes, curbs, gutters, landscaping/street furnishings, sidewalks on both sides. The project adds a landscaped center median safety zone with left turn and U-turn provisions, interconnects traffic signals which also include pedestrian crosswalks, improves transit stops with new shelters and new street lighting, places overhead utility lines underground and improves the existing storm water drainage system. Improvements at major intersections to enhance east-west traffic flow will also be included in the project. This project has been broken down into 3 different segments: Aurora Ave N 165th to 185th, Aurora Ave N 185th to 192nd and Aurora Ave N 192nd to 205th.

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1. **Ashworth Ave N at N 152nd St Sidewalk and Safety Improvements:** Reconstruct the corner and add sidewalks on the west/north sides to tie into the existing sidewalks along N 152nd St. The corner will be widened to improve safety and visibility through this tight intersection.
2. **N 175th St – Stone Ave N to 15th Ave NE:** This project will design and construct improvements on N 175th St between Stone Ave N and 15th Ave NE, which will tie in with the improvements on N 175th St recently constructed by the Aurora project. The improvements include: reconstruction of the existing street to provide two traffic lanes in each direction, a center lane with two-way left turn areas, medians and turn pockets, intersection improvements, bicycle lanes, curb, gutter, and sidewalk with planter strip where feasible, illumination, landscaping and retaining walls. Intersections with high accident rates will be improved as part of this project. The profile of the roadway between Ashworth Ave N and Midvale Ave N will be lowered to meet standard sight distance requirements. This project includes improvements to the I-5 intersections, in coordination with WSDOT.
3. **N 160th St/Greenwood Ave N/NW Innis Arden Way:** This project will improve the operations and safety of this five-way intersection at N 160th St, Greenwood Ave North and Innis Arden Way. Design will be coordinated with Shoreline Community College (SCC) Master Planning and with Metro Transit. Illumination and landscaping will be provided through the realignment area. Bus zone and layover improvements will be included. This project also includes the construction of new sidewalk on the north side of N 160th St, from Dayton Ave N to Greenwood Ave N. Prior to construction, a study will be performed to identify a preferred solution to the current traffic operating problems at this intersection.
4. **NW Richmond Beach Rd at 3rd Ave NW:** This project will design and construct left-turn lanes on Richmond Beach Road at the intersection with 3rd Ave NW and install signal modifications. The improvements will also include storm drainage, pavement widening, curb-and-gutter and sidewalks, retaining walls and street lighting. NW Richmond Beach Rd is a high-volume arterial street at this location and this project will improve safety and traffic flow.
5. **Midvale Ave N – N 175th St to N 183rd St Reconstruction:** Design, acquire right-of-way and reconstruct Midvale Ave N. This project will move lanes off Seattle City Light (SCL) right-of-way. The project will include undergrounding electrical distribution lines, curb, gutter, sidewalks, amenity zone and on-street parking and angle parking on the west in the SCL right-of-way.
6. **Citywide Signal Interconnect, ITS and Cameras:** This project will fully integrate and coordinate all city signals, with Information Technology System (ITS) improvements where appropriate. Traffic cameras will also be included. A traffic management center (TMC) will be developed in City Hall to help manage these systems.
7. **N 165th St and Carlyle Hall Rd NW Sidewalk and Intersection Safety:** This project will improve an odd-shaped intersection to improve visibility and safety, as well as providing pedestrian safety features. The design has not been completed and one of the first steps will be to scope out alternatives.
8. **15th Ave NE – NE 172nd St to NE 195th St:** This project would construct sidewalks on the west side of the road from NE 180th St to NE 195th St. A corridor study will be performed to identify a preferred transportation solution for this roadway segment. There are significant topographic challenges related

to constructing a sidewalk on this arterial. A potential road diet for this segment of the road may include the sidewalks, as well as bicycle lanes on both sides of the street. The cross-section of the road from NE 172nd to NE 180th Street would be reduced from four lanes to three and bicycle lanes would be installed.

9. **10th Ave NW Hidden Lake bridge replacement:** Rehabilitate the existing bridge to ensure safe vehicle crossing.
10. **N 160th St – Greenwood Ave N to Aurora Ave N:** Implement a road diet to convert the existing four-lane cross section to a boulevard-style three-lane cross section (one lane in each direction with a center left turn lane and median landscaping) with bicycle lanes on both sides of the street.
11. **Firlands Way N/Linden Ave N/N 188th St:** This project will improve the intersection to improve operations and safety and calm the street. The design has not been completed and one of the first steps will be to scope out alternatives.
12. **15th Ave NW at NW Richmond Beach Rd:** This project will reconfigure the roadway alignment at the existing off-set intersection to improve operations and safety. The design has not been completed, and one of the first steps will be to identify alternatives, including the potential for a roundabout.
13. **Major Preservation Projects:** Perform significant maintenance work on the following roadways:
 - a. Meridian Ave N – N 145th St to N 205th St
 - b. Westminster Way N – N 145th St to N 155th St
 - c. N/NE 155th St – Aurora Ave N – 15th Ave NE
 - d. N/NE 185th St – Midvale Ave N – 10th Ave NE
 - e. N/NE 175th St – Fremont Ave N – 25th Ave NE
 - f. N/NW Richmond Beach Road – Richmond Beach Drive NW – Linden Ave N

Work may include milling the roadway and sealing the joints between the concrete panels to improve the smoothness and improve the pavement life span.

14. **Aurora Ave N at N 145th St Dual Left Turn Lane:** Construction of a south to east bound left turn lane (for a total of two) at N 145th St and Aurora Ave N and construction of a new signal at North 149th St and Aurora Ave N. The 145th St dual left turn lane will require acquisition of additional rights-of-way along the western edge of Aurora (the Aurora project constructed “interim” sidewalks in this location). Schedule of this project is dependent on redevelopment of the northwest corner of Aurora and N 145th St. Right-of-way and/or frontage improvements may be provided by the developer. The additional width required for this turn lane is currently under consideration by the City of Seattle in their Aurora project planning. The new signal at N 149th St will need to meet signal warrants and receive WSDOT approval. This signal project should be combined with the dual left turn at North 145th St in order to address queue length demands.

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1. **Improvements to Richmond Beach Drive NW and NW Richmond Beach Road – NW 205th Street to Aurora Ave N:** Perform a corridor study in response to development proposals at Point Wells located in unincorporated Snohomish County and construct mitigation measures. Improvements may include intersection improvements, bicycle lanes, sidewalks, surface water management, landscaping and lighting.

2. **N/NE 145th St (SR 523) Corridor Study:** Perform a multi-modal corridor study of 145th St (SR 523) from Bothell Way NE (SR 522) to 3rd Ave NW. Work in conjunction with the City of Seattle, the Washington State Department of Transportation, King County, Metro Transit and Sound Transit to evaluate the future transportation needs for this corridor. Include an examination of safety, traffic, transit and non-motorized needs resulting from anticipated changes in the area such as growth, location of light rail station(s) and regional tolling. The southern half (eastbound lanes) of the street is within the City of Seattle. Seattle classifies 145th St as Collector Arterial from 3rd Ave NW to Greenwood Ave N and a Primary Arterial from Greenwood Ave N to Bothell Way NE.

FUNDED

1. **Annual Road Surface Maintenance Program:** The City's long-term road surface maintenance program is designed to maintain the City's road system to the highest condition rating with the funds available using various thicknesses of asphalt overlay and bituminous surface treatments (BST). Currently, the asphalt overlays are done in conjunction with King County's overlay projects. King County provides engineering and inspection for the project. The City's Public Works Operations Division will provide project administration, construction oversight, quality review, and final acceptance. Additionally, other accepted BST treatments are provided through private contracting.

2. **Traffic Signal Rehabilitation:** There are currently 46 traffic signals in operation in Shoreline. The typical life span of the electronic hardware is 20 years. As technology improves, their older electronics become obsolete. By the end of the 20-year life span, repair and maintenance becomes more expensive as parts may no longer be available. Older traffic signal controllers are very simple and limited in functionality. New controllers can accept a wide range of timing schemes and hold special timing patterns for dealing with emergency traffic rerouting, fire truck pre-emption, and transit signal priority. They can be connected to operate in a coordinated network, and connected to a master controller, where signal timing changes can be made from the office, increasing efficiency. There are rechargeable battery packs that can be installed in signal controller cabinets that will keep a traffic signal operating in the event of a loss of power. For extended outages, a generator can be added to keep the signal running. The ability to keep traffic signals operating and vehicles moving is a key part of our emergency back-up support in conjunction with the City's Emergency Management Plan.

Project Funding

Project	2012 Estimate	2013 Estimate	2014 Estimate	2015 Estimate	2016 Estimate	2017 Estimate	2012-2017 Total
Expenditures							
REPAIR AND REPLACEMENT							
Pedestrian / Non-Motorized Projects							
Curb Ramp, Gutter & Sidewalk Program	\$50,000	\$140,000	\$113,500	\$150,000	\$150,000	\$150,000	\$753,500
Traffic Safety Improvements	\$208,500	\$251,500	\$187,500	\$187,500	\$285,000	\$285,000	\$1,405,000
System Preservation Projects							
Annual Road Surface Maintenance Program	\$700,000	\$700,000	\$800,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,200,000
Traffic Signal Rehabilitation	\$120,258	\$120,631	\$121,084	\$100,000	\$100,000	\$100,000	\$661,973
CAPACITY CONSTRUCTION							
Pedestrian/Non-Motorized Projects							
Briarcrest Safe Routes to School	\$375,000						\$375,000
Safety / Operations Projects							
Aurora Avenue North 185th - 192nd	\$344,479						\$344,479
Aurora Avenue North 192nd - 205th	\$5,042,910	\$22,293,689	\$2,361,484				\$29,698,083
Unfunded Projects							
Non Motorized Improvements							
Ashworth Ave N - N 195 th St to N 200 th St		\$441,000					\$441,000
Linden Ave N - N 175 th St to N 188 th St Sidewalks			\$1,774,500				\$1,774,500
Interurbani/Burke-Gilman Connector - Northern Route Bicycle System Completion			\$3,000,000				\$3,000,000
Ballinger Way NE - 19 th Ave NE to 25 th Ave NE			\$1,050,000				\$1,050,000
5th Ave NE - NE 175 th St to NE 185 th St				\$234,000	\$852,000	\$2,631,000	\$3,717,000
15 th Ave NE - NE 150 th to NE 165 th Streets Sidewalk/East Side				\$719,250			\$719,250
NW 195 th St - Fremont Ave N to 8 th Ave NW				\$1,760,000			\$1,760,000
25 th Ave NE - NE 145 th St to NE 150 th St	\$52,000	\$164,000	\$707,000				\$923,000
25 th Ave NE - NE 165 th St to NE 168 th St			\$315,000				\$315,000
Greenwood Ave N - N 145 th St to N 155 th St					\$630,000		\$630,000
Fremont Ave N - N 165 th St to N 205 th St				\$105,000	\$1,050,000	\$105,000	\$1,260,000
NE 205 th St - 3 rd Ave NE to 6 th Ave NE			\$262,500				\$262,500
N 192 nd Street pedestrian and bicycle bridge at Aurora Ave N						\$3,675,000	\$3,675,000
1 st Ave NE - NE 192 nd St to NE 195 th St	\$157,500						\$157,500
Firlands Way N - N 185 th St to N 195 th St		\$105,000					\$105,000
20 th Ave NW - Sallwater Park entrance to NW 195 th St					\$367,500		\$367,500
19 th Ave NE - Forest Park Drive NE to NE 205 th St						\$900,000	\$900,000
NE 150 th St - 17 th Ave NE to 20 th Ave NE	52,000	304,000					\$356,000
Westminster Way N - Greenwood Ave N to N 155 th St					608,000	1,526,000	\$2,134,000
1 st Ave NE - NE 145 th St to NE 155 th St			337,000	1,027,000			\$1,364,000
6 th Ave NW - NW 175 th St to NW 180 th St			281,000	927,000			\$1,208,000
Richmond Beach Sallwater Park Pedestrian Bridge		\$1,050,000					\$1,050,000
NE 150th St - 25th Ave NE to 28th Ave NE						\$380,000	\$380,000
Traffic and Intersection Improvements							
Ashworth Ave N at N 152 nd St Sidewalk and Safety Improvements		\$262,500					\$262,500
N 175 th St - Stone Ave N to 15 th Ave NE			\$8,910,000	\$2,750,000			\$11,660,000
N 160th St/Greenwood Ave N/NW Innis Arden Way			\$1,953,000				\$1,953,000
NW Richmond Beach Rd at 3 rd Ave NW			\$2,068,500				\$2,068,500
Midvale Ave N - N 175 th St to N 183 rd St Reconstruction			\$2,625,000				\$2,625,000
Citywide Signal Interconnect, ITS and Cameras				\$350,000			\$350,000
N 165 th St and Carlyle Hall Rd NW Sidewalk and Intersection Safety				\$1,050,000			\$1,050,000
15 th Ave NE - NE 172 nd St to NE 195 th St					\$262,500	\$1,333,500	\$1,596,000
10 th Ave NW Hidden Lake bridge replacement		\$50,000	\$157,500	\$3,675,000			\$3,882,500
N 160 th St - Greenwood Ave N to Aurora Ave N						563,000	\$563,000
Firlands Way N/Linden Ave N/N 188 th St					255,000		\$255,000
15 th Ave NW at NW Richmond Beach Rd			289,000	912,000			\$1,201,000
Major Preservation Projects				\$4,700,000			\$4,700,000
145th Dual Left Turn at Aurora							
Corridor Studies							
Improvements to Richmond Beach Drive NW and NW							
Richmond Beach Road - NW 205 th Street to Aurora Ave N			\$210,000	\$105,000			\$315,000
N/NE 145 th St (SR 523) Corridor Study				\$700,000			\$700,000
Total Expenditures by Year	\$7,102,647	\$25,882,320	\$27,523,568	\$22,239,250	\$5,560,000	\$12,648,500	\$100,956,285