

Snohomish County Public Works Assistance Fund

2023 Loan Application

BORROWING AGENCY INFORMATION

Agency Name: **City of Mountlake Terrace**

Agency Address: **23204 58th Ave W** City/Zip Code: **Mountlake Terrace, 98043**

Agency Contact: **Billy McKeever** Phone Number: **425 744 6265**

Contact E-Mail Address: **bmckeever@mltwa.gov**

Project Title: **216th St SW & 48th Ave W SRTS**

PROJECT TYPE

Check all categories that apply to your project



Water Systems



Sanitary Sewer



Storm Sewer



Streets/Roads



Bridge



Solid Waste or Recycling Facility

APPLICATION ATTACHMENTS



Detailed vicinity map showing project location



Detailed project cost estimate signed by a Professional Engineer registered in WA State



Typical road sections (if applicable)



Utility Plan View (if applicable)



Documentation of funding commitment from all funding partners

PROJECT DESCRIPTION

(Expand each section below as needed)

Project Title: **216th St SW & 48th Ave W SRTS**

Project Description: (Please describe individual project components i.e. utility work, landscaping, geometrics, illumination etc.)

This project will construct physical improvements, provide education and encouragement to students, and install measures to inform drivers of their speed. This project helps to provide safer walking and bicycling conditions for Mountlake Terrace Elementary and High School students. The project will result in continuous sidewalk on the north side of 216th Pl SW/216th St SW from 52nd Ave W (Mountlake Terrace Elementary) to 44th Ave W (Mountlake Terrace High School). The project would construct ADA compliant curb ramps including the NW and SW corners of the intersection where none currently exist, curb bulbs on all four corners of the intersection to shorten the pedestrian crossing and encourage slower vehicle speeds, complete approximately 340 feet of sidewalk to eliminate a gap in the sidewalk system, a rectangular rapid flashing beacon (RRFB) pedestrian crossing warning light system, and crosswalk markings on three of the four intersection legs. The project will also include approximately 90 feet of 12 inch water main to provide a location for a tie in for a future project that will increase system resiliency. A new stormwater conveyance system will also be installed.

Funds for education and encouragement of students to walk and/or bike to school are also included in this project. Those funds will be used for a school assembly at Mountlake Terrace Elementary, and traffic safety components in 9th grade health and 12th grade Personal Finance classes at Mountlake Terrace High School.

Describe Existing Conditions:

The 216th Pl SW/216th St SW/48th Ave SW intersection has stop signs for traffic on 216th Pl SW and 216th St SW. Traffic on 48th Ave SW is not STOP controlled. This intersection is less than 1/4 mile from Mountlake Terrace Elementary School and less than 1/3 mile from Mountlake Terrace High School. There are currently no crosswalk markings or pedestrian crossing signs at this intersection. The intersection is a walking route for both schools.

All three roads of this intersection are collector arterials with a speed limit of 25 mph. A traffic speed study demonstrated that the 85th percentile speed for of 48th Ave W north of 216th is 32.7 mph. The 85th percentile speeds collected on 216th Pl SW and 216th St SW were 27.8 mph and 29.6 mph respectively. South of 216th, a recent traffic speed study showed the 85th percentile speed is also 32.7 mph. Currently, there are no curb ramps on the NW and SW corners of the intersection. There is also missing sidewalk section about 65 feet long on both sides 216th Pl SW on the west side of the intersection. On the south side of the intersection there is a missing sidewalk section about 100 feet long and on the north side there is a 160' missing section.

The entire site slopes significantly to the north starting at approximately 2% at the south end of the project and over 8% north of the intersection. The neighborhood is largely residential.

Describe Proposed Improvements

- 90 feet of new 12 inch water line tying into the existing 16 inch water main
- New 12 inch storm conveyance system to replace the existing open ditches that will be filled in for the sidewalks.
- Raise the north side of the intersection approximately 1 foot to provide an ADA compliant crossing
- Construct a Gravity block Retaining wall to facilitate the new sidewalks north of the intersection
- Construct 4 new curb bulbouts, including 8 perpendicular curb ramps
- Construct approximately 550 square yards of new and replaced sidewalks
- Full depth replacement of failing pavement within the project limits.
- RRFB for north crosswalk across 48th Ave W
- 2 Radar Speed Feedback Signs approaching the intersection from the north and the south

Describe Project Benefits:

The elimination of sidewalk gaps will improve the pedestrian connectivity through the 216th St. SW/216th Pl. SW corridor. The installation of curb extensions, an RRFB and speed feedback signs will collectively improve pedestrian safety at the intersection by:

- shortening the crossing distances at the intersection which reduces the pedestrian's exposure to vehicle traffic,
- reducing vehicular speed near the intersection; and,
- improving driver's awareness of pedestrians before they cross the street.

The location of the project, specifically targets the safety of more vulnerable, younger, school-age residents of Mountlake Terrace due to its proximity to both schools.

POLICY OBJECTIVES

(Expand each section below as needed)

Applications for Snohomish County Public Works Assistance Funds (SCPWAF) shall include descriptions on how the project meets the following policy objectives if applicable:

1. Are you applying for assistance due to a severe fiscal distress resulting from a natural disaster or emergency public works need? ☒ No ☐ Yes (If yes, explain)

2. Does your project address a health or safety issue? ☐ No ☒ Yes (If yes, explain)

The intersection of 216th St SW and 48th Ave W has averaged 3.8 reported collisions per year for the last decade. This project will improve driver sightlines on the east and west approaches while also providing pedestrians a place to be seen before crossing both 48th Ave W and 216th St SW on the corner bulbouts. The proposed Rectangular Rapid Flashing Beacon will also draw driver's attention and make it safer for pedestrians who seek to cross 48th Ave W.

3. Does your project address a gap in your system or correct an infrastructure deficiency? ☐ No ☒ Yes (If yes, explain)

This project would fill in an approximately 340 foot gap in the sidewalk network, replace two curb ramps with ADA compliant ramps, and add four additional curb ramps where there are currently none. Additionally the grade of the northern crossing of 48th Ave W will be raised so that it is compliant with PROWAG's uncontrolled intersection requirements of 5% cross slope or flatter for crosswalks.

4. Does this project provide a long term solution or does it rely on other measures for full improvement?

It is not anticipated that any additional improvements will be necessary at this intersection after this project.

5. Does your project expand capacity in order to meet projected population and employment growth, and promote and improve economic development? ☐ No ☒ Yes (If yes, explain)

Multimodal capacity is expanded upon completion of this project by building a missing segment of the sidewalk network in the immediate vicinity of the project. The new sidewalks will connect to the rest of the sidewalk network to the north. Included in this

project is the extension and connection of a 12 inch water main. The water main is part of a larger project to build in resiliency and availability and increase the capacity of the City's water system.

6. Describe the benefit from this project, to essential public facilities?
Mountlake Terrace High School and Mountlake Terrace Elementary School are located within 0.5 miles of this project and the intersection is traversed by students walking to and from school every day. Students will have a safer crossing of an arterial street with a Rectangular Rapid Flashing Beacon and a shorter crossing distance due to the curb bulbouts.
7. What % of the total population of your jurisdiction receives a benefit from this project?
100% of the population of Mountlake Terrace will receive a benefit from this project. 48th Ave W is classified as a collector arterial, and is a important route to both Mountlake Terrace High School and Mountlake Terrace Elementary school for both drivers and pedestrians. Over the expected life of this project every person living in Mountlake Terrace could reasonably be expected to benefit from this project.
8. Describe the type of users who will benefit from this project, including minority, low-income and/or other protected classes as identified
**47.8% of the population of Mountlake Terrace is over the age of 40.
33.8% of the population of Mountlake Terrace identify as people of color.
7.9% of the population of Mountlake Terrace do not have health insurance.
12.8% of the population of Mountlake Terrace has a disability.
The median household income for Mountlake Terrace is \$80,700 compared to the median household income of \$89,300 for Snohomish County. On average Mountlake Terrace residents do not have as much income, are more diverse, have more residents**

without health insurance, and have a higher percentage of residents living with a disability when compared with residents from Snohomish County overall. Those residents with mobility or sight disabilities will see the largest benefit from this project due to the completed ADA sidewalk network connections and ramps.

References:

Puget Sound Regional Council: Community Profiles

<https://psrcwa.shinyapps.io/community-profiles/>

PROJECT SCHEDULE

Milestone	Date
Start Design Engineering	4/1/23
Contract Advertisement	2/1/24
Start Project Construction	4/1/24
Project Substantial Completion	12/31/24

PROJECT FUNDING

Amount of Funds Requested: \$ 565,962

Phase	Project Cost Breakdown			
	SCPWAF \$	Local \$	Other \$	Total Project \$
Design/Engineering/Planning	\$0	\$204,441	\$4780	\$0
Right of Way	\$0	\$0	\$0	\$0
Construction Engineering	\$111,761	\$0	\$0	\$111,761
Construction	\$454,201	\$0	\$663,414	\$1,117,615
<i>Total Project Costs</i>	\$565,962	\$204,441	\$668,194	\$1,438,597

FUNDING PARTNERS

Source	Public/Private	Amount
WSDOT SRTS - CN	Public	\$463,414
WSDOT SRTS - PE	Public	\$4,780
American Rescue Plan Act	Public	\$200,000

(Expand as needed)

BORROWING AGENCY 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