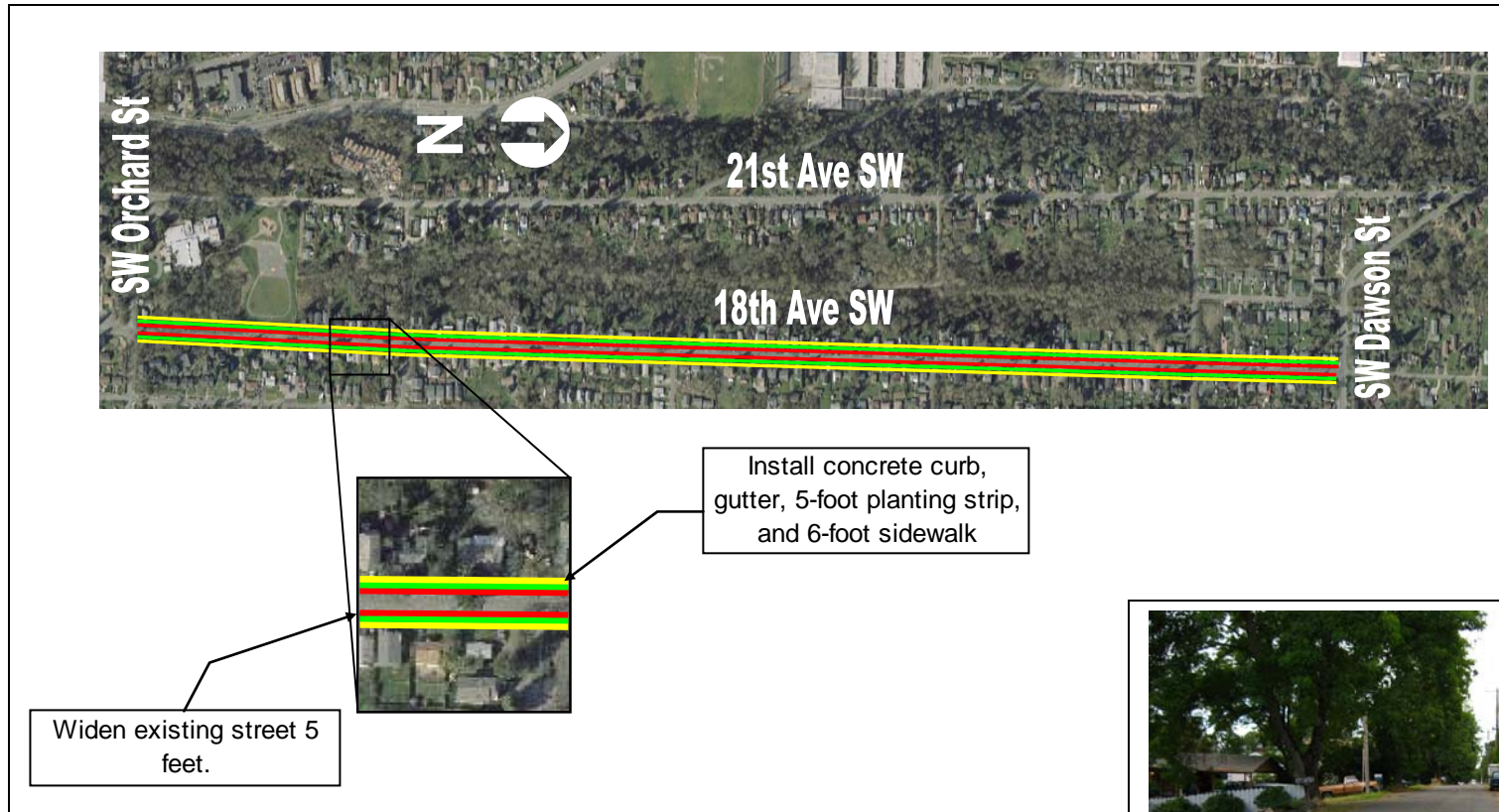




18th Avenue SW - SW Dawson St to SW Orchard St



18th Avenue SW - SW Dawson St to SW Orchard St



Project ID # 2007-491

Type of Improvement: Sidewalk
Neighborhood: Riverview/North Delridge

Approximate Length: 6300 feet
Street Classification: Local Street

Applicant Description of Problem and/or Project:

Problem: While there are many streets throughout the Delridge Neighborhoods that are without sidewalks, Puget Ridge 18th Ave SW sidewalk improvements is an important candidate for sidewalk and street improvements due to the number of residents it would serve. The neighborhood is very dense, somewhat due to many sub-plats throughout Puget Ridge. Because of the topography, access to and from the Puget Ridge neighborhood is primarily along 18th Ave SW, between SW Dawson Street and SW Orchard Street. It is a busy sub-arterial in between Delridge Way SW and 16th Ave SW. Many speed humps are installed throughout the street, but this has not slowed down many drivers, who speed down 18th Ave SW over 35 mph, even over the speed humps. Because it is a sub-arterial for the Puget Ridge neighborhood, the school bus route is along this street, and the many children who wait for the bus often stand in the street. Many residents in the neighborhood walk their dogs, walking in the street. There are also older residents who must walk in the street.

Suggested Project: This CIP suggestion is for new sidewalks and street improvements. Currently, the existing right of way along 18th Ave SW is undeveloped, without curbs or sidewalks. The suggested improvements include new sidewalks along the west and east side of 18th Ave SW, from SW Dawson Street to SW Orchard Street, with planting strips, curbs and curb ramps at intersections.

Potential Solution and/or Comments:

18th Ave SW – From SW Dawson St to SW Orchard St

- Construct concrete curb, gutter, 5-foot planting strip and 6-foot concrete sidewalk on both sides of 18th Ave SW.
- Grind off 2" at intersection of Brandon and 18th for 100 feet to the west, construct an average of 2" overlay with asphalt to bring roadway to grade.
- Widen roadway 5 feet on both sides to meet the City's standard street width of 25 feet.
- Construct catch basins to collect and treat street run off due to new addition of over 5000 square feet of impervious surface.
- Construct a retaining wall with an average height of 2-3 feet where necessary in the corridor.

Challenges/Tradeoffs:

- It may be required to relocate all utility poles and fire hydrants on the east side of the street, which is not yet included on the cost estimate.
- On street parking may be prohibited.
- Significant water quality and detention facilities would need to be constructed to address new impervious area.
- In a few locations, existing driveways that are already steep will become steeper.

Preliminary Range of Cost: \$8,350,000 to \$10,210,000