



## 2018 Project Review Sheet (2019 Construction)

### City Council District 5

Ballot #5E

<b>Project #</b>	<b>17-532</b>
<b>Project Title:</b>	<b>Crossing Improvements at 1st Ave NE and NE 117th St</b>
<b>Location:</b>	<b>1st Ave NE and 117th St</b>

### SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: SDOT supports installing a curb bulb and raised bike path at 1<sup>st</sup> Ave NE and NE 117<sup>th</sup> St.

There is an opportunity to partner with another program:

- Yes
- No

Partnering Program: Safe Routes to School. Northgate Elementary School is a high priority school for the Safe Routes to School (SRTS) program. SRTS can provide the additional funds necessary to complete the project.

**Total Project Cost: \$190,000 (\$ 90,000 YVYC, \$100,000 SRTS)**



### **Solution and Comments:**

This review has been completed for use in the 2018 Your Voice, Your Choice: Parks & Streets process.

SDOT would prefer to install a concrete curb bulb at 1<sup>st</sup> Ave NE and NE 117<sup>th</sup> St rather than a painted curb bulb, which would have to be removed or replaced in concrete in the future. The curb bulb would transition into a raised bike path on NE 117<sup>th</sup> St, which would transition to the sidewalk about 150' east of the intersection. The Bike Master Plan calls for a protected bike lane on NE 117<sup>th</sup> St east of 1<sup>st</sup> Ave NE, no change to the existing sharrows on 1<sup>st</sup> Ave NE, and a neighborhood greenway on N 117<sup>th</sup> St west of 1<sup>st</sup> Ave NE.

Extending the curb into the roadway would narrow the travel lane and help reduce speeds. The curb bulb would also reduce the speed of people turning right from NE 117<sup>th</sup> St onto 1<sup>st</sup> Ave NE, shorten the crossing distance, and improve visibility of people crossing at this location.

SDOT would support installing decoration on the new curb bulb using thermoplastic material (the material crosswalks are made out of) to achieve the goal of making the area more cheerful for students walking to school.

Image:



Figure 1: Proposed Improvement



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## Information Provided by Community Members

**Project Idea:** Painted sidewalks and painted curb bulbs. These would make the area far more cheerful for students walking to school. Colorful curb bulbs/sidewalks could also bring more attention to children walking in the area.

**Need for Project:** Beautification and improved safety by Northgate elementary

**Community Benefit from Project:** Residents of haller lake, students of Northgate elementary, cyclists using the 117th st overpass.



**Risk Registry:**

SDOT Review	Drainage impacts	Constructability	Community process
Low	Low	Low	Low

**Cost Estimate:**

<b>Design Phase</b>	
Preliminary Engineering (Survey) Costs	\$ 2,500
Project Management Costs (City Labor)	\$ 2,500
Design Costs (Consultant Fees, if externally designed, internal labor otherwise) - use 10% of construction cost for in-house design of relative uncomplicated projects	\$ 15,000
<b>Subtotal - Design Phase Costs</b>	\$ 20,000
Design Contingency (10% of Design Phase Subtotal)	\$ 2,000
<b>Total Design Phase Costs</b>	\$ 22,000
<b>Construction Phase</b>	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$ 90,000
Drainage Costs	\$ 10,000
Estimating Contingency (10-20%)	\$ 20,000
<b>Subtotal - Construction Costs</b>	\$120,000
Construction Management (10-25% of Construction Cost)	\$ 24,000
Construction Contingency (20%)	\$ 24,000
<b>Total Construction Phase Costs</b>	\$168,000
<b>Total Project Cost = Total Design and Construction Phase Costs</b>	\$190,000

