



## 2018 Project Review Sheet (2019 Construction)

### City Council District 5

Ballot #5H

<b>Project #</b>	<b>18-586</b>
<b>Project Title:</b>	<b>Traffic calming on N 143rd St between Greenwood Ave N and Aurora Ave N</b>
<b>Location:</b>	<b>Between Greenwood Ave N and Aurora on N 143rd St.</b>

### SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: To address the high traffic volumes on N 143<sup>rd</sup> St, a partial closure at the intersection of Linden Ave N and N 143<sup>rd</sup> is recommended. It is recommended to install a pilot project to test the effects of partial closure, its intended and unintended impacts before installing a permanent solution or pursuing other traffic calming treatments. It is also recommended that 20 mph speed limits signs be installed to remind motorists of speed limit of the roadway.

There is an opportunity to partner with another program:

- Yes
- No

Partnering Program: N/A

**Total Project Cost: \$36,000**



## **Solution and Comments:**

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

A 2016 traffic count indicates that the average daily traffic volume on N 143rd St between the subject limits is 2,200 vehicles per day. The road is classified as an Urban Village Neighborhood Access road. The daily traffic volumes experienced by this road is higher than what is anticipated on an Urban Village Neighborhood Access road. The speed study indicates that the 85th percentile speed of motorists using N 143rd St is 30 mph. This is an SFD emergency response route and Metro uses this street as well.

To address the high traffic volumes on N 143rd, partial closure at the intersection of Linden Ave N and N 143rd is recommended. It is recommended to install a pilot project to test the effects of partial closure. It is also recommended that 20 mph speed limits signs be installed to remind motorists of speed limit of the roadway. Finally, the effectiveness of the partial closure should be confirmed and any unintended impacts on adjacent streets be quantified before installing a permanent solution or pursuing other traffic calming treatments.

## **Image:**



*Figure 1: Proposed Pilot Partial Closure*



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## Information Provided by Community Members

**Project Idea:** Traffic calming on N 143rd St between Greenwood Ave N and Aurora Ave N. Use a combination of speed bumps, speed limit signs, and a partial street closure at N 143rd St and Linden Ave N.

**Need for Project:** There are 3500 cars traveling on N 143rd St daily (traffic study has already been done. And these are the results). This is a small street never intended to be a main thoroughfare. There is a sidewalk only on one side of the street, and the street itself is not wide enough to accommodate parked cars and 2 lanes of traffic, resulting in a very dangerous situation for both cars and pedestrians. The street is being used as a way to avoid traveling on 145th St, so traffic is not local and often are cars driving too fast and irresponsibly. Please help us create a safe neighborhood for our families.

**Community Benefit from Project:** The neighborhood residents, children, elderly and handicapped.



**Risk Registry:**

SDOT Review	Drainage impacts	Constructability	Community process
High	Med.	High	High

**Cost Estimate:**

<b>Design Phase</b>	
Preliminary Engineering (Survey) Costs	\$ 4,000
Project Management Costs (City Labor)	\$ 1,000
Design Costs (Consultant Fees, if externally designed, internal labor otherwise) - use 10% of construction cost for in-house design of relative uncomplicated projects	\$ 3,000
<b>Subtotal - Design Phase Costs</b>	\$ 8,000
Design Contingency (10% of Design Phase Subtotal)	\$ 1,000
<b>Total Design Phase Costs</b>	\$ 9,000
<b>Construction Phase</b>	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$ 20,000
Drainage Costs	\$ 0
Estimating Contingency (10-20%)	\$ 0
<b>Subtotal - Construction Costs</b>	\$ 20,000
Construction Management (10-25% of Construction Cost)	\$ 3,000
Construction Contingency (20%)	\$ 4,000
<b>Total Construction Phase Costs</b>	\$ 27,000
<b>Total Project Cost = Total Design and Construction Phase Costs</b>	\$ 36,000