
Neighbourhood Traffic Management – Vertical Traffic Calming Devices Pilot Project

Recommendation

That the report of the General Manager, Transportation & Utilities Department, dated August 15, 2017, be forwarded to City Council for information.

Topic and Purpose

This report provides information on the vertical traffic calming devices pilot project.

Report Highlights

1. Four locations were selected for the vertical traffic calming devices pilot project:
 - 400 and 500 block of Nemeiben Road;
 - 1200 block of 29th Street;
 - 300 and 400 block of Stensrud Road; and
 - 300 block of Vic Boulevard.
2. Temporary speed humps will be installed in spring 2018 and removed in late fall 2018 to avoid the winter months.
3. The Administration will submit a report to City Council in early 2019 on the effectiveness of the devices.

Strategic Goal

This report supports the Strategic Goal of Moving Around by providing a plan to guide the installation of traffic calming devices, and pedestrian safety enhancements to improve the safety of pedestrians, motorists, and cyclists.

Background

City Council at its meeting held on February 27, 2017, considered the report Neighbourhood Traffic Management – Feedback on Vertical Traffic Calming Devices, and resolved, in part:

- “2. That the Administration undertake a vertical traffic calming device pilot project in locations that would not currently qualify for such devices under the existing policy. Proposed locations should be based on transportation data, neighbourhood feedback, and consultation with local City Councillors. The goal of the project is to measure the impact of such devices in the community. Include consideration of temporary devices that can be removed in winter months and reporting to the Standing Policy Committee on Transportation before and after the pilot project.”

Report

The criteria for selecting locations is as follows:

1. Reviewed all Neighbourhood Traffic Review (NTR) speeding concerns and speed studies (2014 to 2016).
2. Shortlisted locations with measured 85th percentile speeds of 56 kph or higher (21 locations remained).
3. Shortlisted locations were chosen by eliminating locations where:
 - a) Recommendation from the NTR would already have reduced speed (i.e. traffic calming)
 - b) There are school zones
 - c) Streets that have more than two driving lanes
 - d) There are arterials and major collectors
 - e) Streets where speed boards are installed
4. Consulted with local area City Councillors.

This process generated the four locations proposed for the pilot project as follows:

Street	Area	Neighbourhood	Ward	Roadway Class	85 th Percentile Speed (kph)
Nemeiben Road	Emmeline Road to Anglin Crescent	Lakeridge	9	Collector	63
29 th Street	McMillan Avenue to Avenue M	Westmount	4	Major Collector	60
Stensrud Road	Muzyka Road to Van Impe Crescent/ Lamarsh Road	Willowgrove	10	Collector	56
Vic Boulevard	Assaly Street to Teal Crescent	Stonebridge	7	Collector	56

Temporary speed humps will be installed in spring 2018 and removed by September 30, 2018 to avoid the winter months.

The pilot project includes locations that are on Transit, Fire and Emergency response routes. As a result, the pilot project may have the following impacts:

- Delayed emergency response ranging between 5 to 10 seconds
- Increased traffic noise from braking and accelerating near the speed hump
- Vehicles with low undercarriages, including Transit, may experience difficulty crossing the speed hump

Financial Implications

The pilot project is estimated to cost approximately \$40,000 which includes the cost of installation, before and after speed studies, and removal for all four locations. Funding will be included in Capital Project #1512 - Neighbourhood Traffic Management and will be subject to City Council approval.

Public and/or Stakeholder Involvement

Stakeholders including Saskatoon Transit, Roadways & Operations, Saskatoon Police Service, Saskatoon Fire Department, and MD Ambulance were contacted by email July 10, 2017 informing them of the locations selected. The following is a summary of the feedback received:

Stakeholder	Comments
Saskatoon Transit	Maintain their opposition to vertical traffic calming devices. Due to the very low clearance of buses there is potential to damage the buses and/or the vertical traffic calming device.
Roadways & Operations	Requires removal by September 30 th to reduce risk of damage to snow removal equipment.
Saskatoon Fire Department	Maintain their opposition to vertical traffic calming devices. Vertical devices are not in the best interest for timely, safe responses to incidents. On each response, the truck will have to slow down to drive over the devices in order to prevent damage to the vehicle and equipment, and prevent injury to the crew.

Prior to installation of the devices, the Administration will notify the residents along the street and the Community Association. The Administration will work with the residents and respective City Councillor on mitigating any issues resulting from the installation of the devices.

Other Considerations/Implications

There are no options, communication, policy, financial, environmental, privacy, or CPTED considerations or implications.

Due Date for Follow-up and/or Project Completion

The Administration will report back to City Council in early 2019 on the effectiveness of the devices.

Public Notice

Public Notice, pursuant to Section 3 of Policy No. C01-021, Public Notice Policy, is not required.

Report Approval

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