



City of Port Moody

Report/Recommendation to Council

Date: February 7, 2022
Submitted by: General Manager of Engineering and Operations
Subject: Proposed Speed Hump Program

Purpose

To seek Council approval of a proposed speed hump program to help accelerate progress on outstanding traffic calming initiative candidate locations and provide more expedient response to traffic calming requests on local roads.

Recommended Resolution(s)

THAT a pilot speed hump program be implemented, starting in 2022, as recommended in the report dated February 7, 2022 from the General Manager of Engineering and Operations regarding Proposed Speed Hump Program.

AND THAT the budget requirement of \$40,000 be referred to the Finance Committee for identification of a funding source.

Background

In accordance with the City's interim approach to traffic calming, approved by Council on February 9, 2021, the Transportation Committee is tasked with prioritizing traffic calming initiatives annually. Based on this prioritization list, City staff are targeting completion of a traffic calming study and installation of pilot traffic calming measures for one location per year. This rate of completion is consistent with available staff and budget resources.

At its September 22 and October 20, 2021 meetings, the Transportation Committee completed their annual traffic calming initiative candidates prioritization (**Attachment 1**). However, given that there are currently seven outstanding traffic calming locations on this list, and candidates are expected to continue to be added, a "speed hump program" may help accelerate progress.

Discussion

The City has a policy and approach in place to address traffic calming initiatives, which requires extensive neighbourhood consultation, development of traffic calming design concepts, piloting, and potentially high capital costs for installation. A full traffic calming initiative can take one year or more from initiation to pilot installation. Speed humps have relatively limited impacts on neighbouring properties, mobility, road drainage, or access and as such can be implemented with minimal design and consultation efforts, and lower capital costs.

The City's speed hump program would be intended to provide more rapid response to traffic calming requests on local roads. Candidates for the speed hump program would be limited to locations that meet the following criteria:

- Location is included on the City's traffic calming initiative candidates list, and meets the minimum threshold score of 25 in accordance with the *Neighbourhood Traffic Calming Policy* based on recently collected traffic data;
- Primary neighbourhood concern should be related to traffic speeding (i.e. not primarily traffic volume);
- The location should be on a local or neighbourhood collector roadway only, arterial roads are not eligible;
- Road grades should be below 8% in accordance with TAC guidelines;
- Location should not form part of a bus route;
- Review by Port Moody Fire Department to consider response route impacts. Alternatives may be considered such as speed cushions (speed humps with channels spaced to suit fire trucks), or a reduced number of speed humps; and,
- North-south streets in Moody Centre are not generally eligible for speed humps to support emergency vehicle response times per the 2017 Master Transportation Plan.

Based on the current traffic calming initiative candidate list (**Attachment 1**), there are currently seven candidates in queue, plus two potential locations to be evaluated. The table identifies up to four of these candidate locations could be eligible for the speed hump program.

Implementing a speed hump program could have a significant impact on the number of outstanding traffic calming requests and help make traffic and livability improvements much sooner on neighbourhoods that would otherwise wait many years to begin a traffic calming initiative.

Based on a 60-100m spacing between speed humps, cost estimates to address the current four potential locations via a multi-year program are summarized below:

Location	Approximate Road Length	Est. # of Speed Humps	Permanent Speed Hump Cost Estimate
Angela Drive	375m	3	\$16,500
Klahanie Drive	570m	4	\$22,000
Henry Street (Williams to Buller)	370m	3	\$16,500
College Park Way (Glenayre to Cecile)	370m	3	\$16,500
Total		13	\$71,500

Estimated at \$5,500 per asphalt speed hump installed including signs and pavement markings.

It is recommended that an initial pilot using asphalt speed humps be implemented with a budget of \$40,000 which would allow installation of speed humps for two locations and any required monitoring. Based on the results of this pilot, the City can consider implementation of a regular annual program.

The Transportation Committee received a presentation on this proposed program at its October 20, 2021 meeting and passed the following motion:

THAT the development of a pilot speed hump program as summarized in the October 13, 2021 memorandum from the General Manager of Engineering and Operations regarding Annual Traffic Calming Initiative Candidates Prioritization and Proposed Speed Hump Program be supported.

Other Option(s)

1. THAT the report dated February 7, 2022 from the General Manager of Engineering and Operations regarding Proposed Speed Hump Program be received for information.

Financial Implications

An initial pilot project is recommended to be funded at \$40,000. If this pilot is successful, it is expected an ongoing program would require \$40,000 annually.

Note that for the 2022-2026 Capital Plan, Council has approved funding for an annual Traffic Calming Program at \$60,000 per year. This program is intended to fund the completion of one traffic calming study/design and one pilot traffic calming installation each year.

Communications and Civic Engagement Initiatives

Traffic calming initiatives require extensive neighbourhood consultation elements to develop a plan that is effective but also meets the needs and characteristics of the individual neighbourhood. Public engagement for the speed hump program initiative will include neighbourhood notification of proposed speed humps and an invitation to provide comments, an opportunity to provide feedback following installation, and a report back to residents on the effectiveness of the speed humps after the monitoring period.

Council Strategic Plan Objectives

This initiative supports the 2019-2022 Council Strategic Plan strategic priorities of Exceptional Service, Healthy City, and Community Evolution.

Attachment(s)

1. Summary of current Traffic Calming Initiative Requests and Candidates (prioritized by Transportation Committee on November 17, 2022)

Report Author

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Report Approval Details

Document Title:	Proposed Speed Hump Program.docx
Attachments:	- Attachment 1 - Traffic Calming Candidate Locations - Nov 2020 - 05-26-2021.pdf
Final Approval Date:	Mar 14, 2022

This report and all of its attachments were approved and signed as outlined below:

Rosemary Lodge, Manager of Communications and Engagement - Mar 3, 2022 - 12:55 PM

Paul Rockwood, General Manager of Finance and Technology - Mar 3, 2022 - 4:29 PM

Tim Savoie, City Manager - Mar 14, 2022 - 3:43 PM