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MEMORANDUM

TO: Transportation Standing Committee
CC: Brad Anguish, Jill Morrison, Sam Trask
FROM: Roddy MacIntyre, P.Eng. Deputy Traffic Authority
DATE: February 4, 2022
SUBJECT: Petition – Improved Traffic Control on Robie Street (Stairs St to Columbus St)

A petition containing 416 signatures was submitted at the January 27, 2022 meeting of the Transportation Standing Committee. The petition outlined several requests for improvements to traffic control and speed management along the section of Robie Street between Stairs Street and Columbus Street, including:

- 1) All-way stops be installed at any one or any combination of the following intersections:
 - Robie Street & Stairs Street
 - Robie Street & Stanley Street
 - Robie Street & Columbus Street

- 2) That stop bars be painted on all streets intersecting Robie Street from Stairs Street to Lady Hammond Road

During the meeting, a motion was put and passed **THAT the Transportation Standing Committee forward the petition to the Traffic Authority for review and response.**

With respect to the first item – all-way stops on Robie Street, Traffic Management uses the Transportation Association of Canada (TAC) warrant for all-way stop control to determine where this type of traffic control may be appropriate for use. The warrant considers vehicle volumes on both the main and side street approaches to the intersection and recommends that relatively equal volumes of traffic should exist on both the main and side street approaches to support installation of all-way stop control. In the absence of relatively balanced traffic volumes between the main street and side streets, unwarranted all-way stops often result in non-compliance with the stop control, leading to on-going safety issues.

The warrant process also considers collision history at the intersection. When considering collision instances, all-way stop control may be appropriate for use at locations which experience an above average number of collisions of a type that could be mitigated by installing all-way stop control.

The noted locations will each be evaluated against the current guidance for installing all-way stop control to determine if this treatment would be appropriate. Staff is currently in the process of collecting the required data and undertaking the necessary assessment and evaluation. It is expected the evaluations could be completed within the next 4 months. Should any of the locations meet the warrant requirements, staff will

move forward with installing signage as soon as conditions permit the installation of the necessary sign bases and posts.

With respect to item 2 – stop bars on the intersecting streets, Traffic Management staff will include these locations to be completed as part of the upcoming pavement marking season beginning in the spring. Winter weather conditions do not permit installation of pavement markings.

Aside from the items included, this area of Robie Street is currently being evaluated for traffic calming measures to address safety concerns. Staff are reviewing options such as vertical deflections (i.e. speed tables), horizontal deflections (i.e. curb extensions), and/or intersection reconfigurations to mitigate vehicle operating speeds. The timing of installation is currently undetermined as evaluation and planning is still ongoing.