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Date **June 22, 2022** **Report No. 2022-349**

To Chair and Members
Vision Zero Road Safety Committee

From Inderjit Hans, P. Eng., PMP
General Manager, Public Works Commission

1.0 Type of Report

Consent Item	[]
Item For Consideration	[X]

**2.0 Topic Mayflower Avenue – Traffic Control [Financial Impact
- None]**

3.0 Recommendation

- A. THAT Report 2022-349 regarding “Mayflower Avenue – Traffic Control” BE RECEIVED; and
- B. THAT Stop control BE APPROVED on Mayflower Avenue at Marigold Street; and
- C. THAT Schedule “1” of Traffic By-Law 37-83 which pertains to “Through Highways” BE AMENDED; and
- D. THAT Schedule “2” of Traffic By-Law 37-83 which pertains to “Yield Right of Way Signs” BE AMENDED; and
- E. THAT the necessary by-laws BE PRESENTED to City Council for adoption.

4.0 Executive Summary

This report provides the Vision Zero Road Safety Committee a recommendation to replace the current “Yield” sign with a “Stop” signs on Mayflower Avenue at

Marigold Street to improve safety and sightline concerns that were raised by a local resident at the intersection.

5.0 Purpose and Overview

The purpose of this report is to replace the current “Yield” sign with a “Stop” sign on Mayflower Avenue at Marigold Street to improve safety and sight line concerns at the intersection.

6.0 Background

A local resident submitted the safety concern through the Customer Contact Centre. Upon review, staff identified sight line concerns at the intersection.

7.0 Corporate Policy Context

City of Brantford Council Priorities, 2020-2021, #3:

- A safe, efficient transportation system connects the community across neighbourhoods, with neighbouring communities and provincial transportation network.

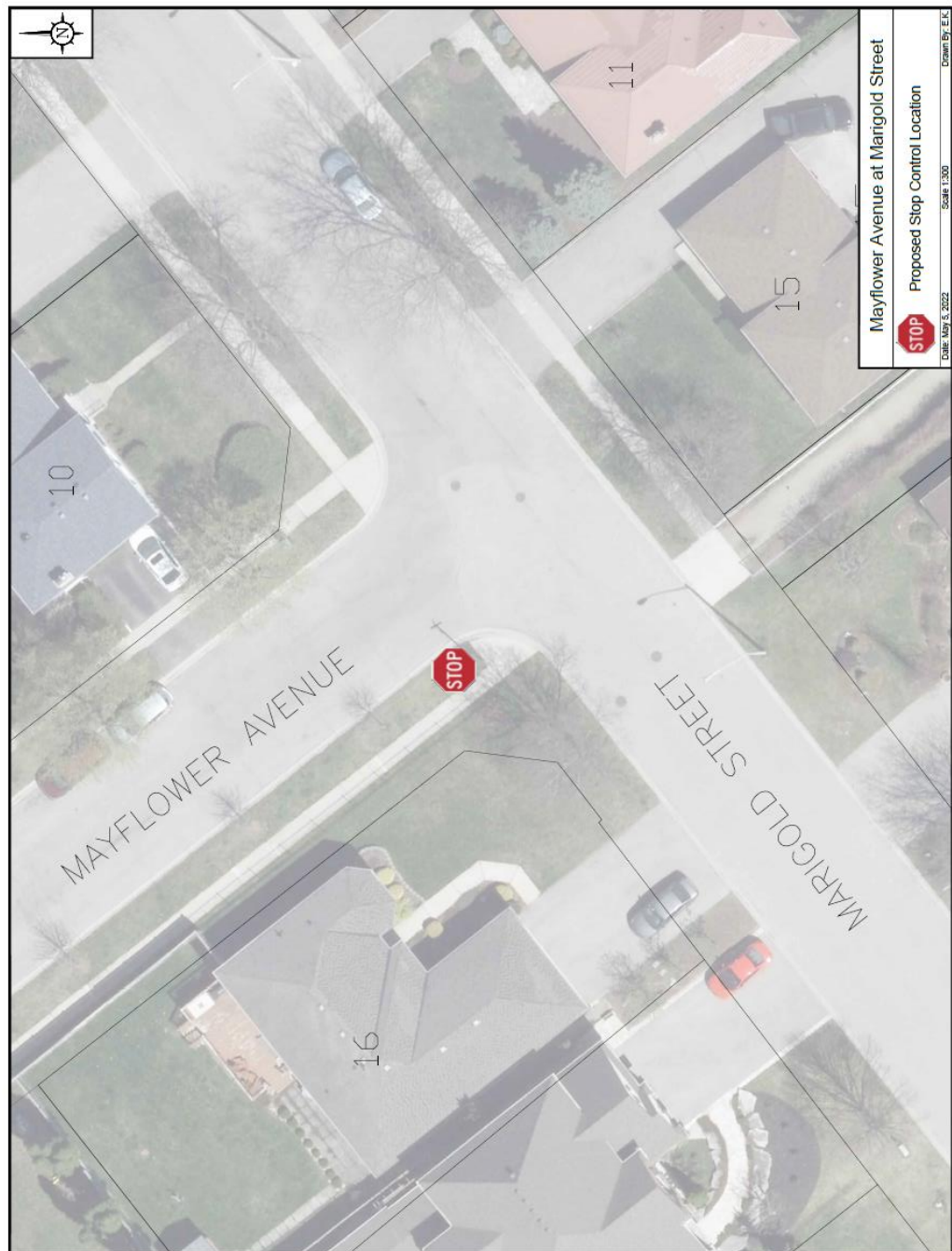
8.0 Input From Other Sources

Not applicable.

9.0 Analysis

The intersection of Mayflower Avenue and Marigold Street is a “T” intersection. Mayflower Avenue is currently controlled with a “Yield” sign at the intersection, Marigold Street is by-lawed as a through street with no control. A diagram of the intersection, showing the proposed “Stop” sign location, is shown in Figure 1 below.

Figure 1 – Mayflower Avenue - Proposed Stop sign location



The use of a “Yield” sign should only be considered at an intersection under the following circumstances:

- Right of way control is required for the major road;
- Stopping on the minor road is not always required; and
- The safe approach speed on the minor road exceeds 15 km/h.

The intersection is a low volume intersection, and will remain low volume as the intersection is in an established neighbourhood. Staff identified sight line concerns at the intersection, with a mature shrub, tree and a fence located close to and within the right-of-way. Sight lines are further restricted due to on-street parking on Marigold Street. Vehicles cannot safely enter the intersection from Mayflower Avenue at a speed exceeding 15 km/h. A Stop control is recommended, which will require motorists to come to a complete stop and ensure the right-of-way is clear before entering onto Marigold Street.

10.0 Financial Implications

The cost to remove the “Yield” signs and install “Stop” signs on Mayflower Avenue is \$100.

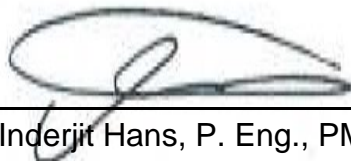
Funding for this work will be provided from the existing Operational Services operating budget.

11.0 Climate and Environmental Implications

Not applicable.

12.0 Conclusion

Staff recommend the installation of stop control at the intersection to improve safety and ensure that all Mayflower Avenue motorists stop and yield to the right-of-way before entering on to Marigold Street.



Inderjit Hans, P. Eng., PMP
General Manager, Public Works Commission

Prepared By:

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Attachments:

Appendix A – Mayflower Avenue – Traffic Control - By-law Amendment

In adopting this report, is a by-law or agreement required? If so, it should be referenced in the recommendation section.

By-law required ☒ yes ☐ no

Agreement(s) or other documents to be signed by Mayor and/or City Clerk ☐ yes ☒ no

Is the necessary by-law or agreement being sent concurrently to Council? ☒ yes ☐ no

APPENDIX “A”

A. Mayflower Avenue – Traffic Control

- a) RECOMMEND that Schedule “1” of Traffic By-law 37-83 which pertains to “Through Highways” BE REPEALED as follows:

<u>THROUGH STREET</u>	<u>LIMITS</u>
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Mayflower Avenue	From the south side of Sky Acres Drive onto Marigold Street
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- b) RECOMMEND that Schedule “1” of Traffic By-law 37-83 which pertains to “Through Highways” BE AMENDED to provide the following:

<u>THROUGH STREET</u>	<u>LIMITS</u>
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Mayflower Avenue	From the south side of Sky Acres Drive to the north side of Marigold Street
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Marigold Street	From the west side of Sky Acres Drive to the westerly end of Marigold Street
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- c) RECOMMEND that Schedule “2” of Traffic By-law 37-83 which pertains to “Yield Right of Way Signs” BE REPEALED as follows:

<u>COLUMN 1</u>	<u>COLUMN 2</u>
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Mayflower Avenue at Marigold Street	Mayflower Avenue
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