

To: COUNCIL
Meeting Date: 11/5/2024
Subject: Queenston Road at Westminster Drive All-way Stop Control
Submitted By: Leah Walter, Director of Engineering & Transportation
Prepared By: Dennis Lopes, Senior Civil Engineering Technologist
Report No.: 24-130-CD
File No.: C11
Wards Affected: Ward 3

RECOMMENDATION(S):

THAT Report 24-130-CD Queenston Road at Westminster Drive All-way Stop Control be received;

AND THAT Queenston Road at Westminster Drive be converted to all-way stop control;

AND FURTHER THAT the By-law to amend By-law 22-044, included as Appendix A to Report 24-130-CD, be passed

EXECUTIVE SUMMARY:

Purpose

The purpose of this report is to address traffic concerns raised by area residents and recommend improvements based on an assessment of the intersection.

Key Findings

- An intersection assessment of Queenston Road and Westminster Drive was completed.
- Results of the assessment indicate that an all-way stop is recommended at this intersection.

Financial Implications

The recommended revisions to traffic signs and pavement markings will be funded from the 2024 Transportation Operating Budget at an approximate cost of \$1,200.

STRATEGIC ALIGNMENT:

Strategic Action

Objective(s): Not Applicable

Strategic Action: Not Applicable

OR

Core Service

Program: Transportation Management

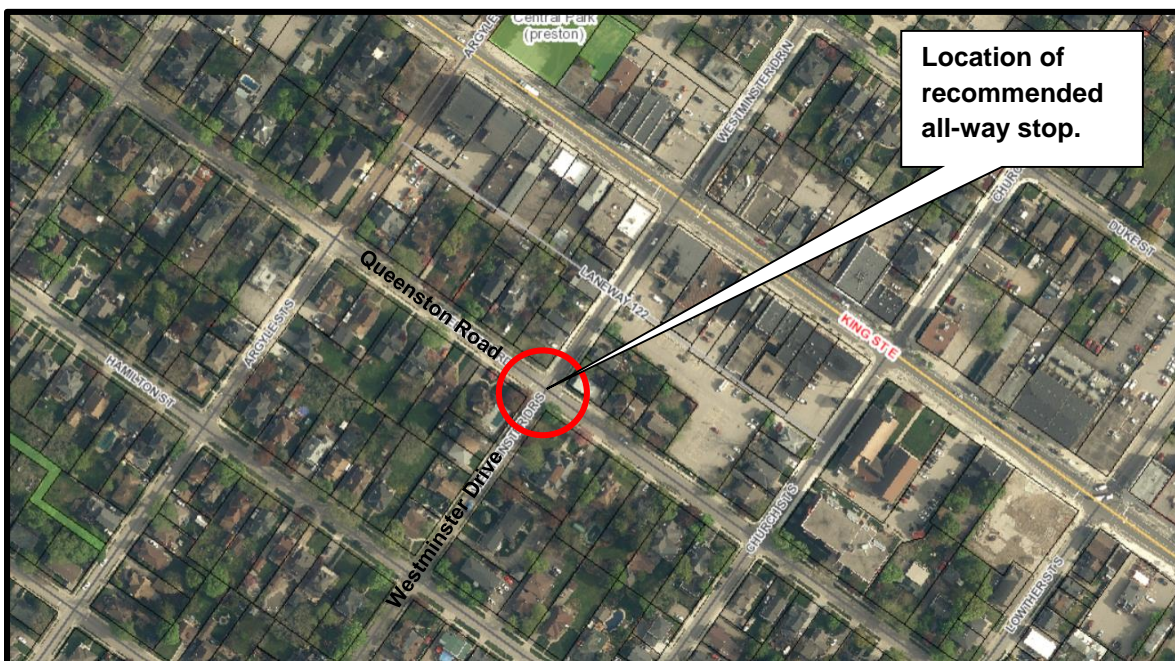
Core Service: Traffic Operations

The recommendations of this report are intended to address resident traffic concerns while creating a safe and efficient transportation network for all users.

BACKGROUND:

The City received concerns from area residents regarding the intersection of Queenston Road and Westminster Drive (See Figure 1.0– Area Diagram). The concerns relate to increased traffic volume, pedestrians crossing the road, and collisions that have occurred.

Figure 1.0 – Area Diagram



ANALYSIS:

A turning movement count was conducted at the intersection of Queenston Road and Westminster Drive. Turning movement counts are used to determine traffic volumes and movements through an intersection. The study is conducted over an eight-hour period on a typical weekday during the school year. The eight-hour period consisted of three hours in the morning peak period, two hours mid-day, and three hours in the afternoon peak period.

The turning movement count is used to determine if an all-way stop is warranted based on the Ontario Traffic Manual guidelines and All-way Stop warrant criteria. The results of the assessment for Queenston Road at Westminster Drive indicate that an all-way stop is recommended at this intersection based on traffic and pedestrian volumes during peak times and volume split.

EXISTING POLICY / BY-LAW(S):

One of the primary guiding documents used by transportation practitioners is the Ontario Traffic Manual. The purpose of the manual is to provide information and guidance for transportation practitioners and to promote uniformity of treatment in the design, application and operation of traffic control devices and systems across Ontario. The Ontario Traffic Manual All-way Stop warrant criteria was used in the development of this Report recommendation.

FINANCIAL IMPACT:

The estimated cost to implement the proposed all-way stop control will require additional signs and pavement markings at a cost of \$1,200 that would be funded from the 2024 Transportation Operating Budget.

PUBLIC VALUE:

Transparency:

Actively listening and responding to resident concerns demonstrates how feedback is considered to improve the transportation network by sharing assessment results and recommendations with concerned residents.

ADVISORY COMMITTEE INPUT:

Not Applicable

PUBLIC INPUT:

Property owners in the immediate area of the intersection were notified regarding the recommendations of this report via mailed letter on October 11, 2024. The letter also

included all the relevant information as to how to access a copy of this report, the date and time of this meeting and how to submit comments or register as a delegation.

This report has also been posted publicly as part of the council report process.

INTERNAL / EXTERNAL CONSULTATION:

There was no internal/external consultation undertaken.

CONCLUSION:

Based on the results of the traffic assessment outlined in this report, it is recommended that all-way stop control be implemented at the intersection of Queenston Road at Westminster Drive in the fall of 2024 (weather dependant).

REPORT IMPACTS:

Agreement: **No**

By-law: **Yes**

Budget Amendment: **No**

Policy: **No**

APPROVALS:

This report has gone through the appropriate workflow and has been reviewed and or approved by the following as required:

Director

Deputy City Manager

Chief Financial Officer

City Solicitor

City Manager

ATTACHMENTS:

1. 24-130-CD Appendix A – Draft By-law Amendment