

All-Way Stop Control - Cordova Avenue and Mabelle Avenue

Date: June 16, 2025

To: Etobicoke York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 3, Etobicoke-Lakeshore

SUMMARY

This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

Transportation Services is requesting approval to install all-way stop control at the intersection of Cordova Avenue and Mabelle Avenue. Based on the assessment undertaken, the installation of all-way stop control is recommended and should enhance safety for all road users.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. Etobicoke York Community Council authorize all-way compulsory stop control at the intersection of Cordova Avenue and Mabelle Avenue.

FINANCIAL IMPACT

The estimated costs associated with the proposed amendment is \$1200.00. Funding is anticipated to be available within the Transportation Services 2025 Operating and Capital Budgets.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of a local resident, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Cordova Avenue and Mabelle Avenue.

Existing Conditions

Cordova Avenue is characterized by the following conditions:

- It is a two-lane, east/west collector roadway
- It operates two-way traffic on a pavement width of approximately 10.5 metres.
- The daily two-way traffic volume is approximately 7,368 vehicles
- The speed limit is 40 km/h
- There is TTC service provided
- There are sidewalks on both sides of the street
- Heavy trucks are prohibited between 7:00 p.m. and 7:00 a.m., daily

Mabelle Avenue is characterized by the following conditions:

- It is a two-lane, north/south local roadway
- It operates two-way traffic on a pavement width of approximately 10.6 metres.
- The daily two-way traffic volume is approximately 774 vehicles
- The speed limit is 40 km/h
- There is TTC service provided
- There are sidewalks on both sides of the street
- Heavy trucks are prohibited at all times

These two streets intersect to form a T-type three-leg intersection, with right-of-way controlled by stop sign for northbound traffic on Mabelle Avenue.

The land use in the area consists of high-density residential buildings. Islington Junior Middle School is located on the south side of Cordova Avenue west of Mabelle Avenue. Mabelle Park is located west of the subject intersection. Cordova Avenue is designated as a Community Safety Zone between Dundas Street West and Islington Avenue. A School Safety Zone is located on Cordova Avenue west of Mabelle Avenue to Dundas Street West and Burnhamthorpe Road/Cordova Avenue.

A map of the area is included in Attachment 1.

Study Results

In order for all-way stop control to be warranted at an intersection, established criteria must be satisfied. The warrants consist of four components, including: collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major road and the percentage of traffic on the major road.

Collision history provided by the Toronto Police Service for the three-year period ending December 31, 2024, disclosed one reported collision occurred at this intersection that

were considered potentially preventable by the installation of all-way stop control. There were no collisions involving a pedestrian.

Transportation Services conducted an all-way stop control study on April 23, 2025, at the subject intersection. The results of the study were evaluated against the warrant criteria for all-way stop control as adopted by City Council. The evaluation is summarized in Table 1

Table 1: All-Way Stop Control Study at Cordova Avenue and Mabelle Avenue

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (January 1, 2022 to December 31, 2024)	1	6	No
B1	Average Vehicle Volumes	307/hour	375/hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)	156 /hour	150/hour	Yes
B3	Percentage of Traffic on Major Street	53%	≤70%	Yes

In order for the all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be achieved. Based on the study results, the technical warrants for the installation of all-way stop control is satisfied. Therefore, it is recommended that all-way stop control be installed at the intersection of Cordova Avenue and Mabelle Avenue.

The Ward Councillor has been advised of the recommendation of this staff report.

CONTACT

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SIGNATURE

Roger Browne, M.A.Sc., P. Eng.
 Director, Traffic Management, Transportation Services

ATTACHMENTS:

Attachment 1: Proposed All-Way Stop Controls - Cordova Avenue and Mabelle Avenue

Attachment 1 - Proposed All-Way Stop Controls - Cordova Avenue and Mabelle Avenue

