

## **All-Way Stop Control - Mattice Avenue and Botfield Avenue**

**Date:** November 14, 2024

**To:** Etobicoke York Community Council

**From:** Director, Traffic Management, Transportation Services

**Wards:** Ward 2 - Etobicoke Center

### **SUMMARY**

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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 intersections of Mattice Avenue and Botfield Avenue. Based on the assessment undertaken, the installation of all-way stop control is recommended and should enhance safety for all road users.

During the course of the investigation, it was noted that there is a discrepancy between posted signs and the existing parking regulations. Recommendations 3 and 4 will correct this inconsistency.

### **RECOMMENDATIONS**

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The Director, Traffic Management, Transportation Services recommends that:

1. Etobicoke York Community Council authorize all-way compulsory stop control at the intersection of Mattice Avenue and Botfield Avenue.
2. Etobicoke York Community Council amend the existing parking prohibition in effect between 8:00 a.m. to 5:00 p.m., Monday to Friday, on the north side of Mattice Avenue, between Botfield Avenue (east intersection) and Jopling Avenue North, to be in effect between a point 30 meters west of Botfield Avenue (east intersection) and a point 63 meters east of Jopling Avenue North.
3. Etobicoke York Community Council prohibit stopping, at all times, on the north side of Mattice Avenue from Botfield Avenue (east intersection) and a point 30 meters west
4. Etobicoke York Community Council rescind the existing stopping prohibition in effect between 8:00 a.m. to 5:00 p.m., Monday to Saturday, on the north side of Mattice Avenue, between Botfield Avenue (east intersection) and Jopling Avenue North.

5. Etobicoke York Community Council amend the existing school bus loading zone in effect between 8:00 a.m. to 5:00 p.m., on the north side of Mattice Avenue between a point 20 meters west of Botfield Avenue (east intersection) and a point 33 meters further west, to be in effect from a point 63 meters east of Jopling Avenue North and a point 15 metres east of Jopling Avenue North.

## **FINANCIAL IMPACT**

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The estimated costs associated with the proposed amendment is \$2500. Funding is anticipated to be available within the Transportation Services 2024 Operating and Capital Budgets.

## **DECISION HISTORY**

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This report addresses a new initiative.

## **COMMENTS**

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At the request of former area Councillor, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Mattice Avenue and Botfield Avenue.

### **Existing Conditions**

Mattice Avenue is characterized by the following conditions:

- It is a two-lane, east-west local roadway
- It operates two-way traffic on a pavement width of approximately 8.5 metres
- The daily two-way traffic volume is approximately 1,084 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is no TTC service provided on Mattice Avenue
- There is a sidewalk located on the north side fronting the abutting school

Botfield 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 8.5 metres
- The daily two-way traffic volume is approximately 599 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is no TTC service provided on Botfield Avenue
- There are sidewalks on the east side of Botfield Avenue, south of Mattice Avenue and on the west side of Botfield Avenue, north of Mattice Avenue
- The north-south traffic on Botfield Avenue is currently controlled by stop controls.

These two streets intersect to form a right-angled four-leg intersection, with an off-set distance of about 20 metres between east and west intersections of Botfield Avenue. Our Lady of Peace Catholic School is located at the northwest corner of this intersection, at 70 Mattice Avenue. Community Safety Zone exist on Mattice Avenue

between Jopling Avenue North and Kipling Avenue. All-way stop controls exist at the intersection of Mattice Avenue and Jopling Avenue North.

The parking regulations on Mattice Avenue, within the subject section are as follows:

**North side**

- No parking, 8:00 a.m. to 5:00 p.m., Monday to Friday, between Botfield Avenue (east intersection) and Jopling Avenue North
- No Stopping, 8:00 a.m. to 5:00 p.m., Monday to Saturday, between Botfield Avenue (east intersection) and Jopling Avenue
- School bus loading zone, 8:00 a.m. to 5:00 p.m., between a point 20 meters west of Botfield Avenue (east intersection) to a point 33 meters further west

**South side**

- No Stopping 8:00 a.m. to 5:00 p.m., Monday to Friday, between Botfield Avenue (west intersection) and a point 163 metres west of Jopling Avenue North

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, 2023, disclosed that no reported collisions have occurred at this intersection.

Transportation Services conducted an all-way stop control study on Thursday, October 6, 2022, at the intersection of Mattice Avenue and Botfield Avenue. 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 both east and west intersections of Mattice Avenue and Botfield Avenue

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (January 1, 2021 and December 31, 2023)	0	6	No
B1	Average Vehicle Volumes	136/hour	250/hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)	146 /hour	100/hour	Yes
B3	Percentage of Traffic on Major Street	33%	≤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 are satisfied. Therefore, it is recommended that all-way stop control be installed at the intersection of Mattice Avenue and Botfield Avenue.

In addition, given the offset geometry of the intersection and that it is abutting an elementary school, to mitigate the potential for vehicles to park with the intersection of Mattice Avenue and Botfield Avenue, it is recommended that stopping be prohibited on the north side of Mattice Avenue, between the east and west intersections of Botfield Avenue.

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

## **CONTACT**

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## **SIGNATURE**

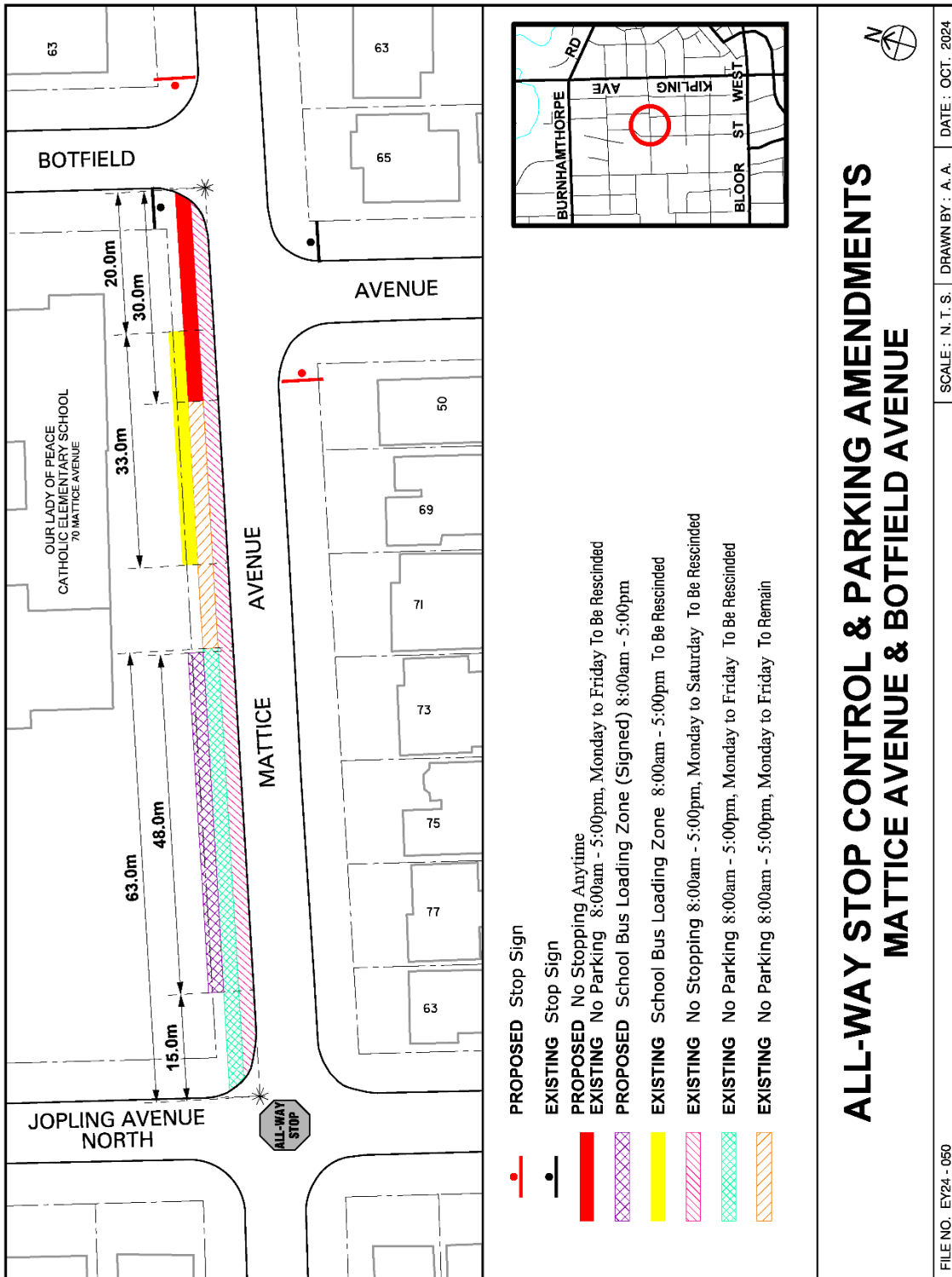
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Roger Browne, M.A.Sc., P. Eng.  
Director, Traffic Management, Transportation Services

## **ATTACHMENTS**

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Attachment 1: Map - All-Way Stop Control - Mattice Avenue and Botfield Avenue



# ALL-WAY STOP CONTROL & PARKING AMENDMENTS MATTICE AVENUE & BOTFIELD AVENUE