

All-Way Stop Control - Rosemount Avenue and MacDonald Avenue

Date: January 5, 2023

To: Etobicoke York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 5, York South-Weston

SUMMARY

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

Transportation Services has reviewed the need for all-way stop control at the intersection of Rosemount Avenue and MacDonald Avenue. Based on the assessment undertaken, Transportation Services does not recommend the installation of all-way stop control at this intersection as the warrant criteria was not met.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. Etobicoke York Community Council not authorize all-way compulsory stop control at the intersection of Rosemount Avenue and MacDonald Avenue.

FINANCIAL IMPACT

There is no financial impact resulting from the adoption of the recommendation in this report.

If Etobicoke York Community Council amends the recommendation in this report and authorizes the installation of all-way stop control, the estimated cost associated with the amendment is \$600.00. Funding would be subject to availability and competing priorities within the Transportation Services Interim 2023 Operating and Capital Budgets.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of the Ward Councillor, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Rosemount Avenue and MacDonald Avenue.

Existing Conditions

Rosemount Avenue is characterized by the following conditions:

- It is a two-lane, north-south, collector roadway
- It operates two-way traffic on a pavement width of approximately 8.9 metres
- The daily two-way traffic volume is approximately 2,700 vehicles
- The speed limit is 30 km/h with traffic calming (speed humps)
- Heavy trucks are prohibited at all times
- There is no TTC service provided
- There are sidewalks located on the east and north sides of the street from William Street to Ralph Street

MacDonald 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 8.7 metres
- The daily two-way traffic volume is approximately 800 vehicles
- The speed limit is 30 km/h with traffic calming (speed humps)
- Heavy trucks are prohibited at all times
- There is no TTC service provided
- There are sidewalks located on the both sides of the street

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

The adjacent land use in this area is a mix of residential and commercial. C. R. Marchant Middle School (rear school access) is located on the south-east corner of Rosemount Avenue and MacDonald Avenue. MacDonald Avenue, between Rosemount Avenue and Pine Street is designated as a Community Safety Zone.

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 June 1, 2022, disclosed that there were zero collisions considered potentially preventable by the installation of all-way stop control.

Transportation Services conducted an all-way stop control study on October 6, 2022 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 Rosemount Avenue and MacDonald Avenue

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (2019 to 2022)	0	6	No
B1	Average Vehicle Volumes	114/hour	250/hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)	26/hour	100/hour	No
B3	Percentage of Traffic on Major Street	79%	≤70%	No

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 not satisfied. Therefore, it is not recommended that all-way stop control be installed at the intersection of Rosemount Avenue and MacDonald Avenue.

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

CONTACT

Shawn Dillon, Manager Traffic Operations (Area 2), Transportation Services,
416-394-8409, Shawn.Dillon@toronto.ca

SIGNATURE

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

ATTACHMENTS

Attachment 1: Map - All-Way Stop Control - Rosemount Avenue and MacDonald Avenue

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