

All-Way Stop Controls - Haynes Avenue and Cook Road, and Haynes Avenue and Bowsfield Road

Date: November 8, 2019
To: Etobicoke York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 7 - Humber River Black Creek

SUMMARY

This staff report is about a matter for which Community Council has delegated authority to make a final decision.

Transportation Services is requesting Etobicoke Community Council to authorize the installation of all-way stop control at the intersections of Haynes Avenue and Cook Road, and Haynes Avenue and Bowsfield Road.

The installation of the all-way stop control at the intersections of Haynes Avenue and Cook Road, and Haynes Avenue and Bowsfield Road will enhance traffic safety while also stopping the traffic on the approach with the minor volume (Bowsfield Road and Cook Road).

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services, recommends that:

1. Etobicoke York Community Council authorize all-way stop control at the intersection of Haynes Avenue and Cook Road.
2. Etobicoke York Community Council authorize all-way stop control at the intersection of Haynes Avenue and Bowsfield Road.

FINANCIAL IMPACT

All costs associated with the necessary sign installations are included within the Transportation Services 2019 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by a local resident to review the need for all-way stop control at the intersections of Haynes Avenue and Cook Road, and Haynes Avenue and Bowsfield Road.

Haynes Avenue, Cook Road and Bowsfield Road are classified as local roadways with a regulatory speed limit of 50 km/h. They have a pavement width of approximately 8.5 metres and sidewalks are provided on both sides of the street. There is no TTC service provided on any of these three streets. Currently, east-west traffic on Cook Road and Bowsfield Road are free-flow and north-south traffic on Haynes Avenue is stop controlled.

The existing land use within the immediate area of the intersections of Haynes Avenue and Cook Road, and Haynes Avenue and Bowsfield Road is primarily residential. Jack Evelyn Wiggins Park is located on the east end of Cook Road. Traffic control signals are located at the intersection of Sentinel Road and Cook Road. There is a northbound and a southbound TTC bus stop located at the intersection of Sentinel Road and Cook Road. Transit service on Sentinel Road is provided by the 106 Sentinel bus route.

Haynes Road and Cook Avenue

A review of Toronto Police Service collision records for the three year period ending December 31, 2017 has revealed that there were five (5) reported collisions at this intersection susceptible to correction by the installation of all-way stop control.

The intersection was evaluated against the warrants for all-way stop control, as adopted by City Council. 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. The warrant criteria was applied against the above collision history and the results of a vehicle and pedestrian count completed at the intersection during the a.m. and p.m. peak periods on October 16, 2018.

The study results are summarized in the following table.

Table 1: All Way Stop Control at Haynes Avenue and Cook Road

Warrant Criteria		Actual	Required	Satisfied (YES/NO)
A	Number of Potentially Preventable Collisions (Jan. 1, 2015 to Dec. 31, 2017)	5	6	No
B1	Average Vehicle Volume	61/hr	250/hr	No
B2	Combined Vehicle & Pedestrian Volume Crossing Major Street (Average) ***	110/hr	100/hr	Yes
B3	Percentage of Traffic on Major Street***	21 %	≤70 %	Yes
	Overall Warrant			Yes

*** New Pedestrian Warrant numbers used as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 report

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 met. Based on the study results shown in the table above, the technical warrants for the installation of all-way stop sign control are met at the intersection of Haynes Avenue and Cook Road. Therefore, it is recommended that all-way stop control be implemented at the intersection.

Haynes Avenue and Bowsfield Road

A review of Toronto Police Services collision records for the three year period ending December 31, 2017 has revealed that there were four (4) reported collisions at this intersection susceptible to correction by the installation of all-way stop control.

The warrant criteria was applied against the above collision history and the results of a vehicle and pedestrian count completed at the intersection during the a.m. and p.m. peak periods on October 11, 2018.

The study results are summarized in the following table.

Table 2: All Way Stop Control at Haynes Avenue and Bowsfield Road

Warrant Criteria		Actual	Required	Satisfied (YES/NO)
A	Number of Potentially Preventable Collisions (Jan. 1, 2015 to Dec. 31, 2017)	4	6	No
B1	Average Vehicle Volume	61/hr	250/hr	No
B2	Combined Vehicle & Pedestrian Volume Crossing Major Street (Average) ***	59/hr	100/hr	No
B3	Percentage of Traffic on Major Street***	38 %	≤70 %	Yes
	Overall Warrant			No

*** New Pedestrian Warrant numbers used as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 report

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 met. Based on the study results shown in the table above, the technical warrants for the installation of all-way stop sign control are not met at the intersection of Haynes Avenue and Bowsfield Road.

However, this intersection has similar traffic characteristics as Haynes Avenue and Cook Road and the implementation of an all-way stop control is appropriate to make the intersection safer for all road users. Therefore, it is recommended that all-way stop control be implemented at the intersection.

The Ward Councillor is aware of the recommendations of this staff report.

CONTACT

Bruce Clayton, Manager, Traffic Operations
Traffic Management, Transportation Services, Area 2
Tel: 416-394-8409, Fax: 416-394-8942
Email: Bruce.Clayton@toronto.ca
AFS29160

SIGNATURE

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

ATTACHMENTS

Attachment 1: Map - All-Way Stop Controls - Haynes Avenue and Cook Road and Haynes Avenue and Bowsfield Road

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