

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 23, 2018

Item 19, Report No. 18, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on May 23, 2018.

**19 ALL-WAY STOP CONTROL REVIEW HAWKER ROAD AND
MOUNTCHARLES CRESCENT/BLESSED TRINITY CATHOLIC
ELEMENTARY SCHOOL ACCESS (SOUTH)**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager, Public Works, dated May 8, 2018:

Recommendations

1. That Council approve implementing an all-way stop control at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection);
2. That a By-law be enacted to amend By-law 284-94, the Consolidated Traffic Bylaw, to add an all-way stop control at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection); and
3. That the City Clerk forward a copy of this report to the York Regional Police and the York Region Catholic District School board.

(A copy of the attachments referred to in the following report have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

Item:



Committee of the Whole Report

DATE: Tuesday, May 08, 2018

WARD(S): 1

**TITLE: ALL-WAY STOP CONTROL REVIEW
HAWKER ROAD AND MOUNTCHARLES CRESCENT/BLESSED
TRINITY CATHOLIC ELEMENTARY SCHOOL ACCESS (SOUTH)**

FROM:

Stephen Collins, Deputy City Manager, Public Works

ACTION: DECISION

Purpose

This report seeks Council approval to implement an all-way stop control at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection) to improve the flow of traffic.

Recommendations

1. That Council approve implementing an all-way stop control at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection);
2. That a By-law be enacted to amend By-law 284-94, the Consolidated Traffic By-law, to add an all-way stop control at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection); and
3. That the City Clerk forward a copy of this report to the York Regional Police and the York Region Catholic District School board.

Report Highlights

- Staff have received requests from the Blessed Trinity Catholic Elementary School administration to review the overall traffic operations and safety of the Hawker Road and Mountcharles intersection.
- A traffic study was undertaken and the existing traffic volumes at the subject intersection exceed the Provincial Warrant for All-way Stop Controls.
- All-way Stop Controls would benefit both vehicular and pedestrian movements in the area.
- It is recommended that an all-way stop control be implemented at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection).

Background

A review of traffic activity was conducted at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection) on November 16, 2017, to determine the feasibility of implementing an all-way stop control.

The Blessed Trinity Catholic Elementary School administration is concerned over traffic safety on Hawker Road and has requested a review of the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection) to determine if it qualifies for an All-way stop.

Previous Reports/Authority

Not Applicable

Analysis and Options

Hawker Road is a two-lane, north-south minor collector roadway with a 23.0 metre right-of-way and an 11.5 metre pavement width. Mountcharles Crescent is a two-lane, east-west local roadway with a 20.0 metre right-of-way and an 8.0 metre pavement width.

The intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection) is a “four-leg” intersection with stop-controls on the Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access. A map of the area is shown in Attachment No. 1.

The existing traffic volumes at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection) exceed the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on November 16, 2017, at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection). The study was conducted during the peak traffic periods of 7:00 a.m. to 9:00 a.m., 11:00 a.m. to 2:00 p.m. and 3:00 p.m. to 6:00 p.m.

The collision records and sightlines at the approaches to the intersection were also assessed. The data collected was compared to the Provincial Warrant for All-way Stop Controls with the following results:

	Traffic Study November 16, 2017	Study Results
Warrant 1	Minimum Vehicular Volumes Warranted	102%
Warrant 2	Accident Hazard Warranted	0%
Warrant 3	Sight Restriction Warranted	0%

An All-way Stop Control is recommended at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection).

All-way stop controls are recommended when one of the above warrants meets 100 percent. As shown above, the existing traffic volumes exceed the Minimum Vehicular Warrant No. 1 requirements. As such, an all-way stop control is recommended at this location. There have been no reported collisions at this intersection between the years of 2016 to July 2017 according to the latest collision data available from York Regional Police.

There are no sightline restrictions at this intersection. With both Blessed Trinity Catholic Elementary School and the Maple Creek Elementary School located near the subject intersection, the proposed all-way stop controls would benefit both vehicular and pedestrian movements in the area.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

The recommendation in this report is consistent with the strategic priorities related to the Term of Council Service Excellence Strategy Map (2014-2018):

- Improve municipal network;
- Continue to develop transit, cycling and pedestrian options to get around the City; and
- Continue to ensure the safety and well-being of citizens

Financial Impact

The cost associated with the installation of the all-way stop signs and pavement markings is estimated to be \$700 and has been included in the approved 2018 Operating Budget. The on-going cost to maintain the signs and pavement markings (stop bars) is estimated to be \$200 per annum and will be incorporated in future year Operating Budgets.

The cost associated with the concrete pad and curb cuts on the north-west and north-east side of the intersection corner is estimated to be \$800, and can be accommodated within the approved 2018 Operating Budgets.

A raised crosswalk with pattern stamped asphalt exists at the south approach of the subject intersection. The intersection of Hawker Road and Sylwood Crescent, north of the Blessed Trinity Catholic Elementary School has pattern stamped asphalt crossing.

To provide consistency at the intersection of Hawker Road and Mountcharles Crescent (south), the pedestrian crossing at the intersection will be enhanced with stamped asphalt. The capital cost associated with the installation is estimated to be \$12,000, and can be accommodated within the capital project DE-7108-15 (School Travel Planning Measures). The on-going cost to maintain the crossings will be submitted in future year Operating Budgets.

Broader Regional Impacts/Considerations

Not Applicable.

Conclusion

It is recommended that an all-way stop control be implemented at the intersection of Hawker Road and Mountcharles Crescent/Blessed Trinity Catholic Elementary School Access (south intersection) as the Provincial Warrant for all-way stop controls is met. The implementation of an all-way stop control at this location would benefit both vehicular and pedestrian movements in the area.

For more information, please contact:

Zoran Postic, Director, Transportation Services Parks and Forestry Operations or
Margie Chung, Manager of Traffic Engineering.

Attachments

1. Location Map

Prepared by

Peter Trinh, Traffic Analyst, Ext 6157