

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 27, 2017

Item 8, Report No. 26, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on June 27, 2017.

**8 ALL-WAY STOP CONTROL REVIEW CANADA DRIVE AND SUMMIT DRIVE
WARD 3**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager of Public Works and the Director of Transportation Services, Parks and Forestry Operations, dated June 20, 2017:

Recommendation

The Deputy City Manager of Public Works and the Director of Transportation Services, Parks and Forestry Operations recommend:

1. 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 Canada Drive and Summit Drive.

Contribution to Sustainability

This report contributes to the goals and objectives within Green Directions Vaughan, The City's Community Sustainability and Environmental Master Plan, specifically:

Goal 3: To ensure that Vaughan is a city that is easy to get around with a low environmental impact.

Objective 3.2: To develop and sustain a network of roads that supports efficient and accessible public and private transit.

Economic Impact

The capital cost associated with the installation of the all-way stop signs is estimated to be \$700.00 and has been included in the approved 2017 Operating Budget. The on-going cost to maintain the signs and pavement markings (stop bars) is estimated to be \$150.00 per annum and will be incorporated in future year Operating Budgets.

Communications Plan

Staff will advise the area residents, York Region District School Board, York Catholic District School Board, and York Regional Police of the outcome of Council's decision in this matter.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Canada Drive and Summit Drive.

Background - Analysis and Options

A review of traffic operations at the intersection of Canada Drive and Summit Drive was conducted.

A review of traffic activity was conducted at the intersection of Canada Drive and Summit Drive on March 21, 2017 to determine the feasibility of implementing an all-way stop control.

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Canada Drive is a two-lane east-west minor collector roadway with a 23.0 metre right-of-way (11.5 metre pavement width). Summit Drive is a two-lane north-south local roadway with a 17.5 metre right-of-way (8.0 metre pavement width). The statutory speed limit on both roadways is 50 km/h. There are existing sidewalks on both sides of Canada Drive and on the east side of Summit Drive.

This intersection is a four-leg intersection with existing stop-control on Summit Drive.

The intersection is in close proximity to two (2) schools and two (2) parks:

- Glenn Gould Public School, located at the north-east corner of Highmark Drive and Summit Drive.
- St. Mary of the Angels Catholic Elementary School, located at the south-east corner of Vellore Park Avenue and Venice Gate.
- Hillside Park, located at the north-west corner of Highmark Drive and Summit Drive.
- Venice Gate Park, located at the south-west corner of Venice Gate Drive and Trudeau Drive.

A map of the area is shown in Attachment No. 1.

The existing traffic volumes at the intersection of Canada Drive and Summit Drive meet the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on March 21, 2017 at the intersection of Canada Drive and Summit Drive. The study was conducted during the peak traffic periods of 7:00 a.m. to 9:00 a.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 Count	March 21, 2017
Warrant 1 – Minimum Vehicular Volumes	137%
Warrant 2 – Accident Hazard	0%
Warrant 3 – Sight Restriction	0%

All-way stop controls are recommended at the intersection of Canada Drive and Summit Drive.

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. The Accident Hazard and the Sight Restriction warrants are not satisfied at this intersection.

With Hillside Park, Venice Gate Park and elementary schools in the area, the proposed all-way stop controls would benefit both vehicular and pedestrian movements.

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

In consideration of the strategic priorities related to the Term of Council Service Excellence Strategy Map (2014 – 2018), this report is consistent with the following Term of Council Priorities:

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- 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.

Regional Implications

Not Applicable.

Conclusion

It is recommended that an all-way stop control be implemented at the intersection of Canada Drive and Summit Drive 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.

Attachment

1. Location Map

Report prepared by:

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