

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 27, 2017

Item 9, 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.

**9 ALL-WAY STOP CONTROL REVIEW VELLORE PARK AVENUE AND WALMART PLAZA
ACCESS – 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 Vellore Park Avenue and Walmart Plaza Access.

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 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 Vellore Park Avenue and Walmart Plaza Access.

Background - Analysis and Options

A review of traffic operations at the intersection of Vellore Park Avenue and Walmart Plaza Access was conducted.

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A review of traffic activity was conducted at the intersection of Vellore Park Avenue and Walmart Plaza Access on February 16, 2017 and February 25, 2017 to determine the feasibility of implementing an all-way stop control.

Vellore Park Avenue is a two-lane north-south minor collector roadway with a 23.0 m right-of-way (11.0 metre pavement width). The east leg of the intersection is the access to the Walmart Plaza. An unnamed access road extends from Vellore Park Avenue to Weston Road.

This intersection is a four-leg intersection with stop controls on the east-west access roads. There are sidewalks on both sides of Vellore Park Avenue.

Several pedestrian destinations are located nearby. Westwind Park is located on the southwest corner of Cityview Boulevard and Retreat Boulevard. St. Mary of the Angels Catholic Elementary School is located on the east side of Vellore Park Avenue north of Lormel Gate.

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

The existing traffic volumes at the intersection of Vellore Park Avenue and the access to the Walmart plaza meet the Provincial Warrant for All-way stop controls.

Turning movement counts were conducted on February 16, 2017 and February 25, 2017 at the intersection of Vellore Park Avenue and Walmart Plaza Access. As this intersection would likely have volumes heavily impacted at the plaza's peak business times, counts were conducted on both weekday and weekend peak periods. The 2015 and 2016 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 control with the following results:

Weekday Traffic Count	February 16, 2017
Warrant 1 – Minimum Vehicular Volumes	169%
Warrant 2 – Accident Hazard	25%
Warrant 3 – Sight Restriction	0%

Weekend Traffic Count	February 25, 2017
Warrant 1 – Minimum Vehicular Volumes	172%
Warrant 2 – Accident Hazard	25%
Warrant 3 – Sight Restriction	0%

All-way stop controls are recommended at the intersection of Vellore Park Avenue and Walmart Plaza Access.

All-way stop controls are recommended when one of the above warrants meets 100 percent. As shown above, the existing traffic volumes meet the Minimum Vehicular Warrant No. 1 requirements. Therefore, an all-way stop control is recommended at this location. One vehicle collision was recorded at this intersection from July 2015 to July 2016 according to the latest collision data available from York Regional Police. There are no sight restrictions at the intersection.

With Westwind Park and St. Mary of the Angels Catholic Elementary School in the area, the proposed all-way stop controls would benefit both vehicular and pedestrian movements.

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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:

- 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 Vellore Park Avenue and the access to the Walmart plaza 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:

Mark Ranstoller, Senior Traffic Technologist, Ext. 6117
Margie Chung, Manager of Traffic Engineering, Ext. 6173

(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.)

ALL-WAY STOP CONTROL REVIEW VELLORE PARK AVENUE AND WALMART PLAZA ACCESS - WARD 3

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Mark Ranstoller, Senior Traffic Technologist, Ext. 6117
Margie Chung, Manager of Traffic Engineering, Ext. 6173

Respectfully submitted,

Stephen Collins, P.Eng.
Deputy City Manager of Public Works

Zoran Postic
Director of Transportation Services,
Parks & Forestry Department

Margie Chung
Manager of Traffic Engineering

ATTACHMENT No.1



ALL-WAY STOP CONTROL REVIEW VELLORE PARK AVENUE AND WALMART PLAZA ACCESS WARD 3

Legend



Proposed All-Way Stop



NOT TO SCALE

THE CITY OF VAUGHAN

BY-LAW

BY-LAW NUMBER 070-2017

A By-law to amend the Consolidated Traffic By-law 284-94, as amended, to govern and control traffic in the City of Vaughan.

The Council of The Corporation of the City of Vaughan ENACTS AS FOLLOWS:

1. THAT City of Vaughan By-law 284-94 as amended, be and is hereby further amended by adding the following provision to Schedule "B", Part 2:

INTERSECTION

Vellore Park Avenue and
Walmart Plaza Access / Access
Road 225 metres north of Major
Mackenzie Drive

STOP STREETS

Vellore Park Avenue north of Walmart Plaza Access / Access Road
225 metres north of Major Mackenzie Drive
Vellore Park Avenue south of Walmart Plaza Access / Access Road
225 metres north of Major Mackenzie Drive
Walmart Plaza Access east of Vellore Park Avenue
Access Road 225 metres north of Major Mackenzie Drive west of
Vellore Park Avenue

Enacted by City of Vaughan Council this 27th day of June, 2017.

Hon. Maurizio Bevilacqua, Mayor

Barbara A. McEwan, City Clerk