

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 16, 2017

Item 4, Report No. 17, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on May 16, 2017.

4 ALL-WAY STOP CONTROL REVIEW VIA ROMANO BOULEVARD AND FITZMAURICE DRIVE - WARD 4

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 May 2, 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 Via Romano Boulevard and Fitzmaurice 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 can be accommodated within 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.

The estimated cost to implement the curb cuts and sidewalk extension on the west side of Via Romano Boulevard is \$850.00 and would be funded from City-wide Engineering Development Charges. The estimated cost of these works can be accommodated within approved capital project 1547-0-05 Sidewalks Streetlights.

Communications Plan

Staff will advise the area residents, York Region, 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 Via Romano Boulevard and Fitzmaurice Drive.

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Background - Analysis and Options

A review of traffic operations at the intersection of Via Romano Boulevard and Fitzmaurice Drive was conducted.

Via Romano Boulevard is a two-lane, north-south minor collector roadway with a 23.0 m right-of-way (11.0 metre pavement width). Fitzmaurice Drive is a two-lane local roadway with a 20.0 metre right-of-way (8.0 metre pavement width). The road extends from Via Romano Boulevard to Bathurst Street. This intersection is a three-leg intersection with stop control on Fitzmaurice Drive.

Clearview Park and temporary mailboxes are located on the northwest corner of Via Romano Boulevard and Fitzmaurice Drive. According to the Community Development Plan, an elementary school is planned at the southwest corner of Via Romano Boulevard and Farrell Road, north of Clearview Park

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

The existing traffic volumes at the intersection of Via Romano Boulevard and Fitzmaurice Drive meet the Provincial Warrant for All-way Stop Controls.

Turning movement counts were conducted on November 30, 2016 at the intersection of Via Romano Boulevard and Fitzmaurice 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 Control with the following results:

Traffic Study Results	November 2016
Warrant 1 – Minimum Vehicular Volumes	139%
Warrant 2 – Accident Hazard	0%
Warrant 3 – Sight Restriction	0%

All-way Stop Controls are recommended at the intersection of Via Romano Boulevard and Fitzmaurice Drive.

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 requirements. As such, an All-way Stop Control is recommended at this location. Zero vehicle collisions were recorded at this intersection from 2014 to July 2016 according to the latest collision data available from York Regional Police. There are no sight restrictions at the intersection.

Via Romano Boulevard was connected to Major Mackenzie Drive in Fall 2015. A northbound left turn advance green signal phase was activated on January 10, 2017. There is on-going development on Via Romano Boulevard, north of Major Mackenzie Drive and on Fitzmaurice Drive. Traffic is anticipated to grow on Via Romano Boulevard and Fitzmaurice Drive.

With Clearview Park, temporary mailboxes, and the plan for a future elementary school in the area, the proposed all-way stop control at the intersection of Via Romano Boulevard and Fitzmaurice Drive would benefit both vehicular and pedestrian movements.

Furthermore, curb cuts and sidewalk extension are recommended on the west side of Via Romano Boulevard to improve pedestrian accessibility to Clearview Park on the west side of Via Romano Boulevard.

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Item 4, CW Report No. 17 – Page 3

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

With the development advancing on Via Romano Boulevard, the traffic at the intersection of Via Romano Boulevard and Major Mackenzie Drive is anticipated to grow. The intersection will need to be monitored.

Conclusion

It is recommended that an all-way stop control be implemented at the intersection of Via Romano Boulevard and Fitzmaurice Drive as the Provincial Warrant for All-way Stop Control is met. The implementation of an all-way stop control at this location would benefit both vehicular and pedestrian movements in the area.

Attachments

1. Location Map

Report prepared by:

Wai Lam Tang, Senior Traffic Technologist, Ext. 6125
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 VIA ROMANO BOULEVARD AND FITZMAURICE DRIVE - WARD 4

Recommendation

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

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Report prepared by:

Wai Lam Tang, Senior Traffic Technologist, Ext. 6125
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

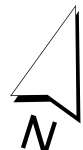


LOCATION MAP ALL-WAY STOP CONTROL REVIEW VIA ROMANO BOULEVARD AND FITZMAURICE DRIVE WARD 4

LEGEND



PROPOSED ALL-WAY STOP



NOT TO SCALE

THE CITY OF VAUGHAN

BY-LAW

BY-LAW NUMBER 043-2017

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

Via Romano Boulevard at
Fitzmaurice Drive

STOP STREETS

Via Romano Boulevard north of Fitzmaurice Drive
Via Romano Boulevard south of Fitzmaurice Drive
Fitzmaurice Drive east of Via Romano Boulevard

Enacted by City of Vaughan Council this 16th day of May, 2017.

Hon. Maurizio Bevilacqua, Mayor

Barbara A. McEwan, City Clerk