

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF NOVEMBER 21, 2017

Item 9, Report No. 39, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on November 21, 2017.

9 ALL-WAY STOP CONTROL REVIEW LORMEL GATE AND TRUDEAU 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 November 7, 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 Lormel Gate and Trudeau 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 notify the area residents by notice, and advise the York Region District School Board, York Catholic School Board and York Regional Police of the outcome of Council's decision in this matter.

Purpose

The purpose of the report is to present the findings of the feasibility study for implementing an all-way stop control at the intersection of Lormel Gate and Trudeau Drive.

Background - Analysis and Options

A review of traffic operations at the intersection of Lormel Gate and Trudeau Drive was conducted.

A review of traffic activity was conducted at the intersection of Lormel Gate and Trudeau Drive on May 17, 2017 to determine the feasibility of implementing an all-way stop control.

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Lormel Gate is a two-lane east-west minor collector roadway with a 23.0 m right-of-way (11.0 metre pavement width). Trudeau Drive is a two lane north-south local roadway with a 17.5 m right-of-way (8.0 metre pavement width).

This intersection is a four-leg intersection with stop controls on the north-south local road. There are sidewalks on both sides of Lormel Gate, and on the west side of Trudeau Drive.

There are several destinations in the area, including:

- Venice Gate Park, located at the northwest corner of Trudeau Drive and Juldun Place.
- St. Mary of the Angels Catholic Elementary School, located at the southeast corner of Vellore Park Avenue and Venice Gate Drive.

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

The existing traffic volumes at the intersection of Lormel Gate and Trudeau Drive meet the Provincial Warrant for All-way stop controls.

Turning movement counts were conducted on May 17, 2017 at the intersection of Lormel Gate and Trudeau Drive. 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:

Traffic Count	May 17, 2017
Warrant 1 – Minimum Vehicular Volumes	105%
Warrant 2 – Accident Hazard	25%
Warrant 3 – Sight Restriction	0%

All-way stop controls are recommended at the intersection of Lormel Gate and Trudeau 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 No. 1 requirements. Therefore, an all-way stop control is recommended at this location.

One vehicle collision was recorded at this intersection from September 2015 to September 2016 according to the latest collision data available from York Regional Police. There are no sight restrictions at the intersection.

With Venice Gate 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.

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

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Conclusion

It is recommended that an all-way stop control be implemented at the intersection of Lormel Gate and Trudeau 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:

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 LORMEL GATE AND TRUDEAU DRIVE
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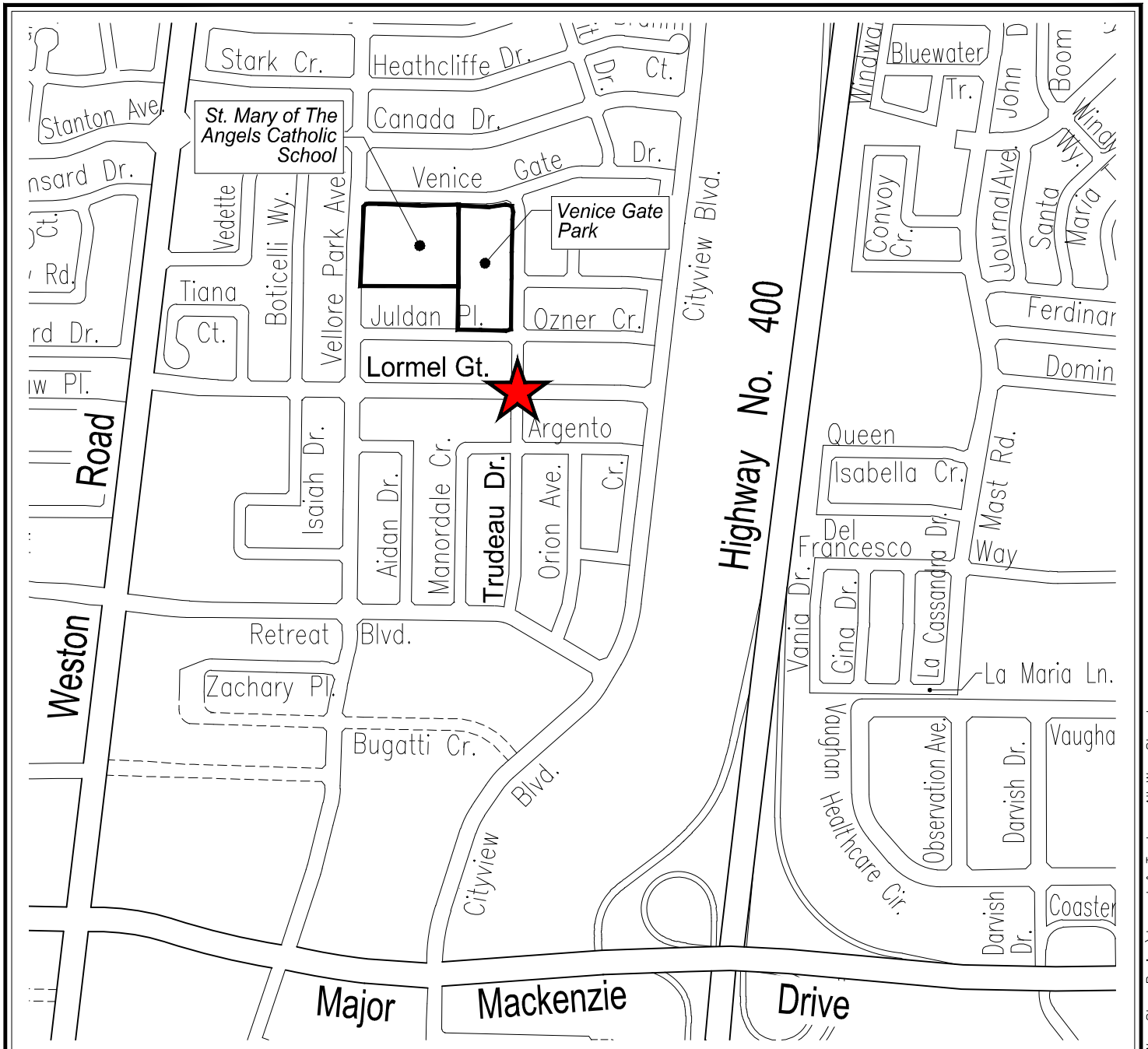
Respectfully submitted,

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 LORMEL GATE AND TRUDEAU DRIVE WARD 3

LEGEND



PROPOSED ALL-WAY STOP



NOT TO SCALE