

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF OCTOBER 19, 2016

Item 7, Report No. 34, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on October 19, 2016.

7

**ALL-WAY STOP CONTROL REVIEW
ILAN RAMON BOULEVARD AND GEORGE KIRBY STREET
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 October 5, 2016:

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 Ilan Ramon Boulevard and George Kirby Street.

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 costs associated with the installation of the all-way stop signs is estimated to be \$500.00, and has been included in the approved 2016 Operating Budget. The on-going costs 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 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 Ilan Ramon Boulevard and George Kirby Street.

Background - Analysis and Options

A review of traffic operations at the intersection of Ilan Ramon Boulevard and George Kirby Street was conducted.

A review of traffic activity was conducted at the intersection of Ilan Ramon Boulevard and George Kirby Street on June 14, 2016, to determine the feasibility of implementing an all-way stop control.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF OCTOBER 19, 2016

Item 7, CW Report No. 34 – Page 2

Ilan Ramon Boulevard is a two-lane, north-south minor collector roadway with a 26.0 metre right-of-way and 14.0 metre pavement width (south of Lebovic Campus Drive). George Kirby Street is a two-lane, east-west major local roadway with a 20.0 metre right-of-way and 9.0 metre pavement width.

The intersection of Ilan Ramon Boulevard and George Kirby Street is a Tee-intersection with stop-controlled on George Kirby Street. A map of the area is shown in Attachment No. 1.

The existing traffic volumes at the intersection of Ilan Ramon Boulevard and George Kirby Street exceed the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on June 14, 2016, at the intersection of Ilan Ramon Boulevard and George Kirby Street. 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:

- | | | |
|---|-----------|------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 101% |
| • Warrant 2 – Accident Hazard | Warranted | 0% |
| • Warrant 3 – Sight Restriction | Warranted | 0% |

An All-way Stop Control is recommended at the intersection of Ilan Ramon Boulevard and George Kirby Street.

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. Zero vehicle collisions were recorded at this intersection from 2014 to December 2015. To date, this is the latest collision data available from York Regional Police. There are no sight restrictions at this intersection.

With the Rutherford Market Place located at the southeast corner of the intersection of Ilan Ramon Boulevard and George Kirby Street, 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)

In consideration with the strategic priorities related to the Term of Council Service Excellence Strategy Map (2014 – 2018), the recommended all-way stop will improve traffic flow for both drivers and pedestrians at the intersection, thus improving the municipal network, and promoting community safety, health and wellness.

Regional Implications

Not Applicable.

Conclusion

It is recommended that an all-way stop control be implemented at the intersection of Ilan Ramon Boulevard and George Kirby Street, 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.

CITY OF VAUGHAN

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Item 7, CW Report No. 34 – Page 3

Attachment

1. Location Map

Report prepared by:

Wai Lam Tang, Senior Traffic Technologist, Ext. 6125
Margie Chung, Manager 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.)

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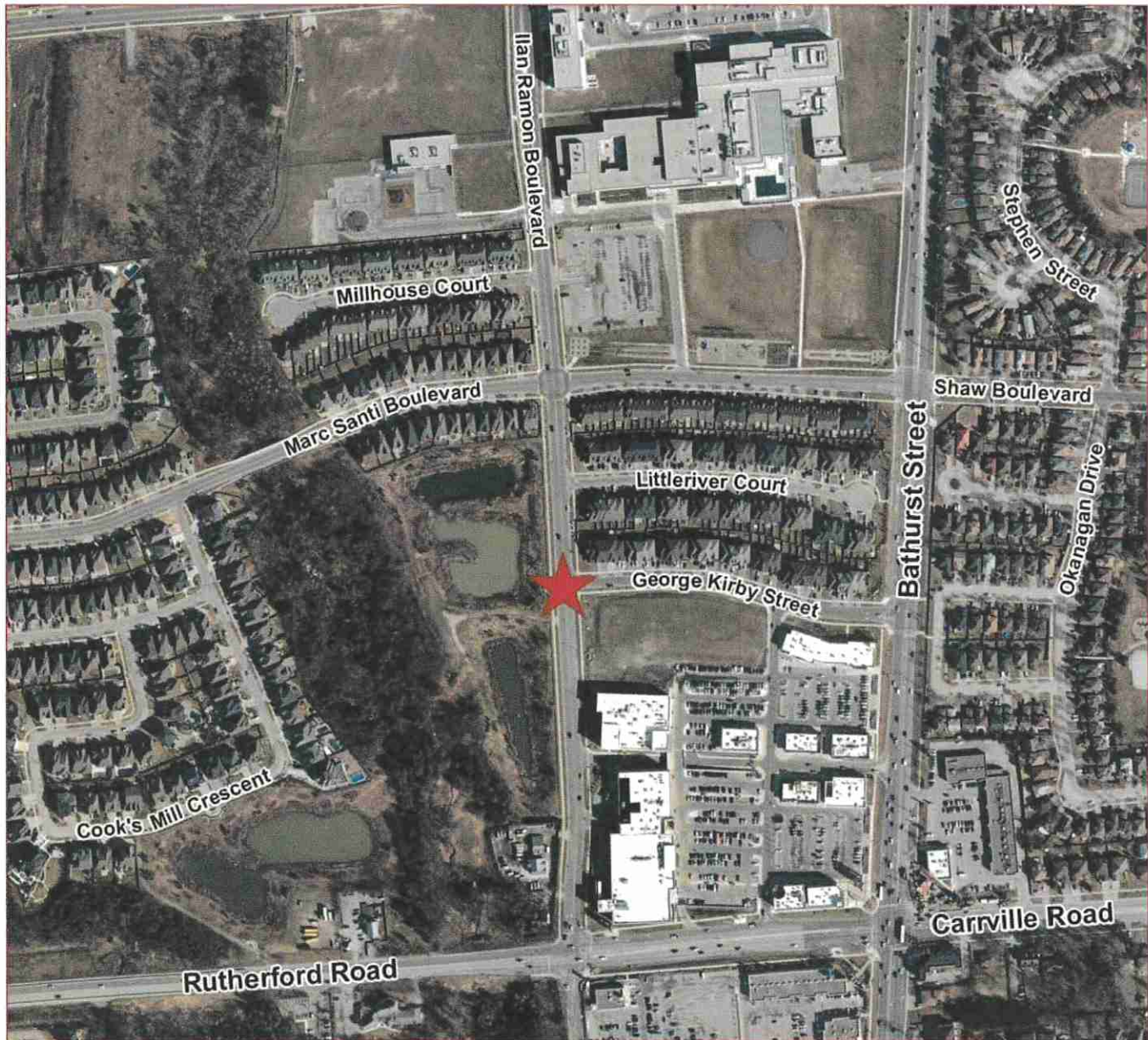
Wai Lam Tang, Senior Traffic Technologist, Ext. 6125
Margie Chung, Manager Traffic Engineering, Ext. 6173

Respectfully submitted,

Paul Jankowski
Deputy City Manager of Public Works

Zoran Postic
Director of Transportation Services,
Parks & Forestry Department

ATTACHMENT No. 1



ALL-WAY STOP CONTROL REVIEW ILAN RAMON BOULEVARD AND GEORGE KIRBY STREET WARD 4

LEGEND



PROPOSED ALL-WAY STOP



NOT TO SCALE

Note: Aerial photography acquired in Spring 2014