

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF DECEMBER 9, 2014

Item 11, Report No. 41, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on December 9, 2014.

11

**ALL-WAY STOP CONTROL REVIEW
CLARENCE STREET AND ROYAL PINE AVENUE
WARD 2**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Public Works and the Director of Engineering Services, dated December 2, 2014:

Recommendation

The Commissioner of Public Works and the Director of Engineering Services recommend:

1. That Council enact a By-law to install an all-way stop control at the intersection of Clarence Street and Royal Pine Avenue.

Contribution to Sustainability

Not Applicable.

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 2014 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 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 Clarence Street and Royal Pine Avenue.

Background - Analysis and Options

A review of traffic operations at the intersection of Clarence Street and Royal Pine Avenue was conducted

Staff carried out a review of the traffic activity at the intersection of Clarence Street and Royal Pine Avenue.

Clarence Street is a local roadway with a 20.0 metre right-of-way and an 8.5 metre pavement width. Royal Pine Avenue is also classified as a local roadway with a 17.5 metre right-of-way and an 8.0 metre pavement width. The intersection of Clarence Street and Royal Pine Avenue is a three-leg intersection with the existing stop controls on Royal Pine Avenue. The area is shown in Attachment No.1.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF DECEMBER 9, 2014

Item 11, CW Report No. 41 – Page 2

The existing traffic volumes at the intersection of Clarence Street and Royal Pine Avenue exceed the Provincial Warrant for All-way Stop Controls

Staff conducted a turning movement count on October 2, 2014 at this intersection. The study was conducted during the peak traffic periods of 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. Staff also reviewed the accident records for 2013 and sight lines at the approaches to the intersection. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

•Warrant 1 – Minimum Vehicular Volumes	Warranted	156%
•Warrant 2 – Accident Hazard	Warranted	0%
•Warrant 3 – Sight Restriction	Warranted	0%

All-way Stop Controls are recommended at the intersection of Clarence Street and Royal Pine Avenue

All-way stop controls are recommended when one of the above warrants are satisfied to 100% or more. As shown above, existing traffic volumes exceed Warrant #1 requirements. There were zero recorded vehicle collisions at this intersection in the year 2013. To date, this is the latest collision data available from York Regional Police. There are no sight restrictions at this intersection. As the information above indicates, this intersection meets the minimum requirements of the Provincial Warrant for All-way Stop Control.

The proposed all-way stop would also benefit both vehicular and pedestrian movements in the area.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommended all-way stop will improve traffic flow for both drivers and pedestrians at the intersection, thus promoting community safety, health and wellness.

Regional Implications

Not Applicable.

Conclusion

It is recommended that an all-way stop control be installed at the intersection of Clarence Street and Royal Pine Avenue as the minimum requirement of the Provincial Warrant for All-way Stop Control is met.

Attachments

1. Location Map

Report prepared by:

Peter Trinh, Traffic Analyst, Ext. 8495

Vince Musacchio, Manager of Capital Planning & Infrastructure, Ext. 8311

(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.)

COMMITTEE OF THE WHOLE – DECEMBER 3, 2014

ALL-WAY STOP CONTROL REVIEW CLARENCE STREET AND ROYAL PINE AVENUE WARD 2

Recommendation

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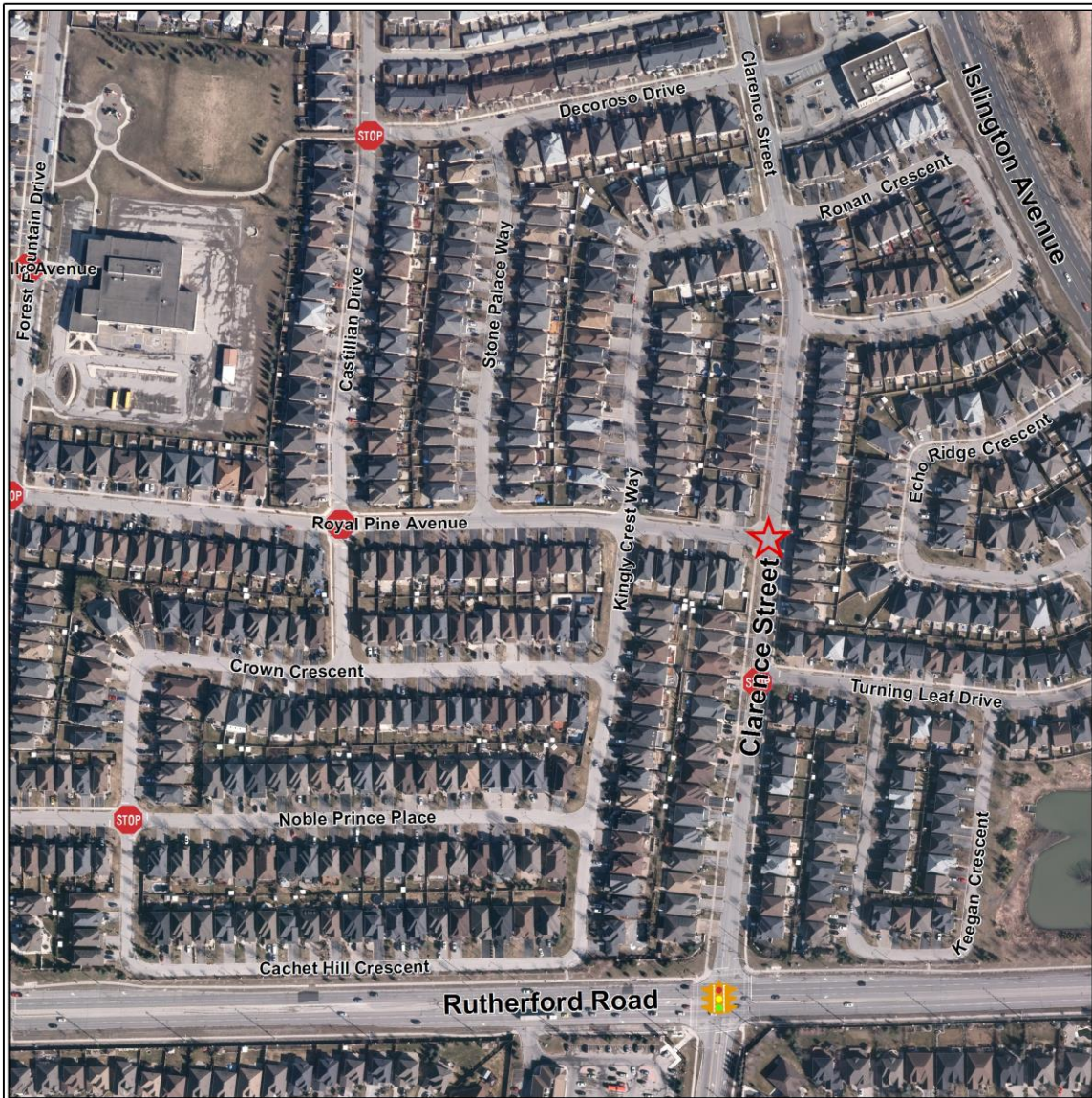
Peter Trinh, Traffic Analyst, Ext. 8495
Vince Musacchio, Manager of Capital Planning & Infrastructure, Ext. 8311

Respectfully submitted,

Paul Jankowski
Commissioner of Public Works
PT:mm

Jack Graziosi
Director of Engineering Services

ATTACHMENT No.1



LEGEND



INTERSECTION UNDER REVIEW



EXISTING ALL WAY STOP CONTROL



EXISTING TRAFFIC SIGNAL

Note: Aerial photography acquired Spring, 2014

LOCATION MAP

ALL-WAY STOP CONTROL REVIEW

LOCATION: Clarence Street &
Royal Pine Avenue



NOT TO SCALE

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