

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF FEBRUARY 16, 2016

Item 5, Report No. 7, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on February 16, 2016.

5 **ALL-WAY STOP CONTROL REVIEW**
NORTHVIEW BOULEVARD AND VAUGHAN (POWER CENTRE) SMARTCENTRE'S PLAZA
ACCESS (#57 NORTHVIEW BOULEVARD)
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 February 2, 2016:

Recommendation

The Deputy City Manager of Public Works and the Director of Transportation Services, Parks and Forestry Operations, in consultation with Director, Development Engineering & Infrastructure Planning recommends:

1. That Council enact a By-law to install an all-way stop control at the intersection of Northview Boulevard and Vaughan (Power Centre) Smartcentre's Plaza access.

Contribution to Sustainability

Not Applicable.

Economic Impact

The cost associated with the installation of the 'all-way stop' signs has been included in the approved 2016 Operating Budget. The ongoing costs to maintain the signage will be incorporated into future year operating budgets.

Communications Plan

Staff will advise the area businesses 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 Northview Boulevard and Vaughan (Power Centre) Smartcentre's Plaza Access.

Background - Analysis and Options

A review of traffic operations was conducted at the intersection of Northview Boulevard and Vaughan (Power Centre) Smartcentre's Plaza Access.

A review of traffic operations was conducted at the intersection of Northview Boulevard and Smartcentre's Plaza Access on October 6, 2015, to determine the feasibility of implementing an all-way stop control.

Northview Boulevard is a minor collector roadway with a 23.0 metre right-of-way and an 11.5 metre pavement width. Northview Boulevard is located midway between Highway 7 and Chrislea Road. The intersection of Northview Boulevard and Vaughan Smartcentre's Plaza access is a "T" intersection with the existing stop controls on Vaughan Smartcentre's Plaza access. A map of the area is shown in Attachment No. 1.

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Proposed Development

City of Vaughan is in receipt of a proposal from Liberty Developments for the northeast corner of Weston Road/Highway 7, known as #7777 Weston Road, in close proximity of the Northview Boulevard and Smartcentre's Plaza Access. Several accesses have been identified for this site as listed below and depicted in Attachment No. 2.

1. Access from #7777 Weston Road to Northview Boulevard, between Weston Road and Smartcentre Access (exit only), Attachment No.2 - #3
2. Two (2) Accesses from #7777 Weston Road to Smartcentre Access, Attachment No.2 - #1
3. The Smartcentre access is also proposed to be widened from two (2) lanes to four (4) lanes and operate 2-way between Highway 7 and Northview Boulevard (see attachment No.2 - #2 & #4).

The proposed all-way stop control under study at Northview Boulevard and Vaughan Smartcentre's Plaza Access can improve operational safety in consideration of the access arrangements for #7777 Weston Road.

The existing Minimum Vehicular Volumes at the intersection of Northview Boulevard and Vaughan Smartcentre's Plaza Access satisfy the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on October 6, 2015, at the intersection of Northview Boulevard and Vaughan Smartcentre's Plaza Access. 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. The accident records and the sight distance at the approaches to the intersection were also reviewed. The data collected was compared to the Provincial Warrant for All-way Stop Controls, with the following results:

• Warrant 1 – Minimum Vehicular Volumes	Warranted	116%
• Warrant 2 – Accident Hazard	Warranted	0%
• Warrant 3 – Sight Restriction	Warranted	0%

All-way stop controls are recommended when one of the above warrants are satisfied to 100 percent or more. As shown above, the existing Minimum Vehicular Volumes is satisfied and exceeded at the intersection. The Accident Hazards and Sight Restriction are not satisfied at this intersection.

An all-way Stop Control is recommended at the intersection of Northview Boulevard and Vaughan Smartcentre's Plaza Access as this intersection satisfies the minimum requirements of the Provincial Warrant for All-way Stop Control.

It is recommended that an all-way stop control be installed at the intersection of Northview Boulevard and Vaughan Smartcentre's Plaza Access at this time as the intersection satisfies and exceeds the Minimum Vehicular Volumes required for the Provincial Warrant for All-way Stop Controls.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

In consideration of the strategic priorities related to 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 promoting community safety, health and wellness.

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Regional Implications

Not Applicable.

Conclusion

As the intersection of Northview Boulevard and Smartcentre's Plaza Access satisfies and exceeds the required Minimum Vehicular Volumes, an all-way stop control is recommended.

Attachments

1. Location Map

Report prepared by:

Peter Trinh, Traffic Analyst, Ext. 6157

Vince Suppa, Traffic Engineering Specialist, Ext. 6112

(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 – FEBRUARY 2, 2016

ALL-WAY STOP CONTROL REVIEW NORTHVIEW BOULEVARD AND VAUGHAN (POWER CENTRE) SMARTCENTRE'S PLAZA ACCESS (#57 NORTHVIEW BOULEVARD) WARD 3

Recommendation

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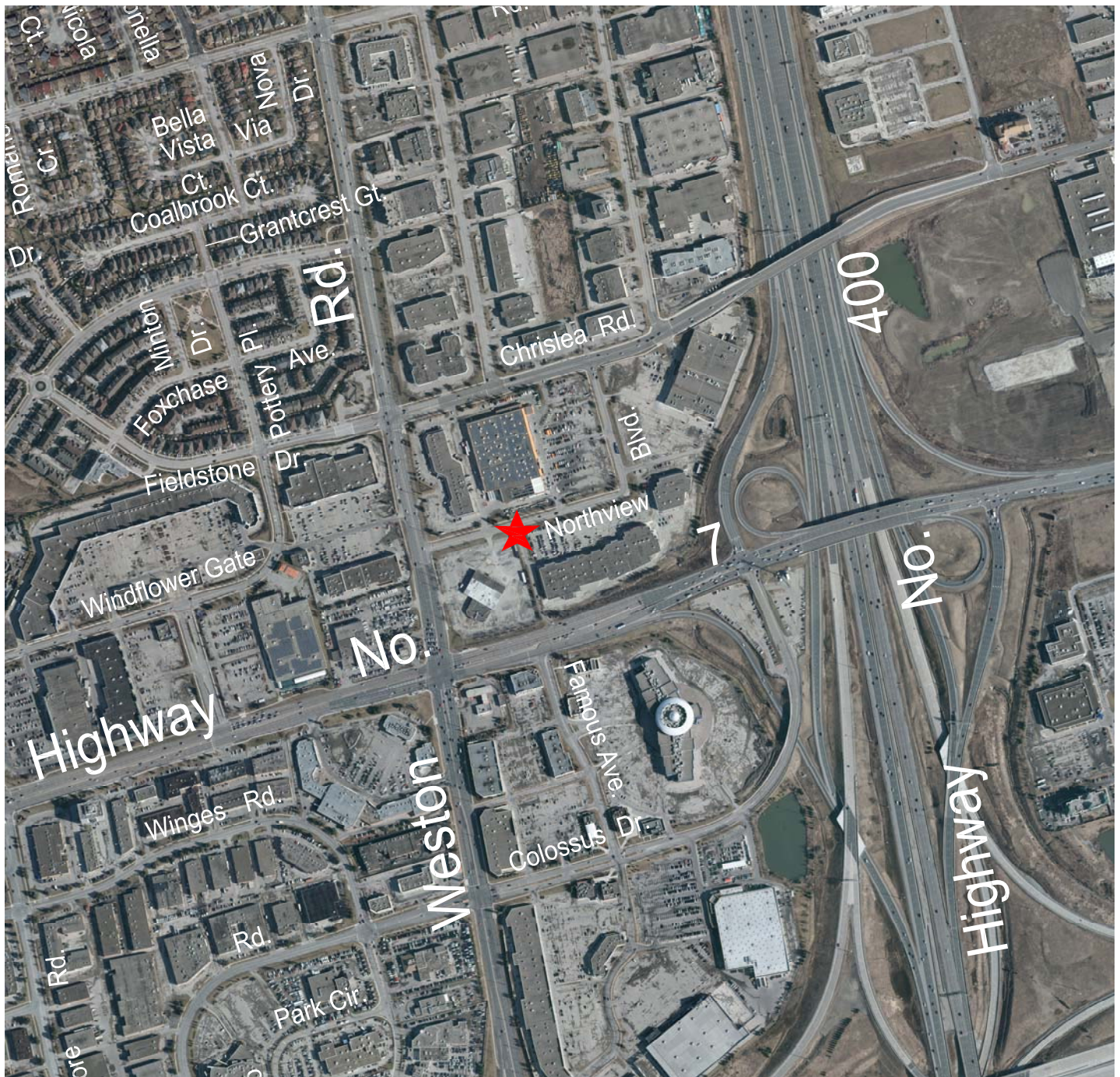
Peter Trinh, Traffic Analyst, Ext. 6157
Vince Suppa, Traffic Engineering Specialist, Ext. 6112

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 NORTHVIEW BOULEVARD AND SMARTCENTRE'S PLAZA ACCESS WARD 3

LEGEND



PROPOSED ALL-WAY STOP



NOT TO SCALE

ATTACHMENT No. 2

