

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF FEBRUARY 16, 2016

Item 4, 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.

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**ALL-WAY STOP CONTROL REVIEW
DEWPOINT ROAD AND SERENE WAY
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 & Forestry Operations, dated February 2, 2016:

Recommendation

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

1. That Council enact a bylaw to install an all-way stop control at the intersection of Dewpoint Road and Serene Way.

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 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

Not Applicable.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Dewpoint Road and Serene Way.

Background - Analysis and Options

A review of traffic activity at the intersection of Dewpoint Road and Serene Way was conducted.

A review of the traffic activity at the intersection of Dewpoint Road and Serene Way was conducted on October 22, 2015, to determine the feasibility of implementing an all-way stop control.

Both streets are local roadways with a 17.5 metre right-of-way and an 8.0 metre pavement width. The intersection of Dewpoint Road and Serene Way is a four-leg intersection with the existing stop controls on Dewpoint Road. A map of the area is provided in Attachment No.1.

The existing Minimum Vehicular Volumes, and Accident Hazards at the intersection of Dewpoint Road and Serene Way do not satisfy the Provincial Warrant for All-way Stop Controls.

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A turning movement count was conducted on October 22, 2015, at the intersection of Dewpoint Road and Serene Way. The study was conducted during the morning and afternoon peak periods of 7:00 a.m. to 9:00 a.m. and 3:00 p.m. to 6:00 p.m. The collision records 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 | 72% |
| • Warrant 2 – Accident Hazard | 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, and the Accident Hazards are not satisfied at this intersection at this time.

Existing Sight Distances at the intersection are below minimal requirements which satisfy the Provincial Warrant for All-Way Stop Controls.

A continuing review of the sight distance at this intersection shows the minimal sight distance requirement of 65 metres is not met for northbound motorists stopped on the minor street (Dewpoint Road) viewing along the major street (Serene Way) due to landscaping on the southeast corner of the intersection. The actual sight distance currently available is 40 metres.

There is a similar sight distance problem for westbound motorists on the major street viewing along the minor street. This actual sight distance currently available is also 40 metres.

While the landscaping may be on the City's right-of-way, and efforts have been started to have appropriate action taken, a safety concern remains in the meantime.

All-way Stop Controls are recommended at the intersection of Dewpoint Road and Serene Way, as a safety concern exists for safe sight distance.

As the existing situation creates a sight distance safety concern, it is recommended that an all-way stop control is installed at this intersection.

In addition, it is anticipated with future growth in the community to the north and east of this intersection that traffic volumes will increase.

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.

Regional Implications

Not Applicable.

Conclusion

It is recommended that an all-way stop control be installed at the intersection of Dewpoint Road and Serene Way, based on Transportation Services staff's review.

Attachments

1. Location Map

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(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.)