

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 22, 2016

Item 3, Report No. 12, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on March 22, 2016.

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**ALL-WAY STOP CONTROL REVIEW
FOSSIL HILL ROAD AND VIA TOSCANA/MUSCADEL ROAD
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 March 1, 2016:

Recommendation

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

1. That Council enact a by-law to install an all-way stop control at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road.

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

Staff will advise the area residents of the outcome of Council's decision.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road.

Background - Analysis and Options

A review of traffic operations at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road was conducted.

A review of traffic activity was conducted at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road on November 5, 2015, to determine the feasibility of implementing an all-way stop control.

Fossil Hill Road is a two-lane, north-south minor collector roadway with a 23.0 metre right-of-way (11.5 metre pavement width). Via Toscana and Muscadell Road is a two-lane, east-west local roadway with a 17.5 metre right-of-way (8.5metre pavement width).

The intersection of Fossil Hill Road and Via Toscana/Muscadel Road is a "four-leg" intersection with stop-controlled on Via Toscana and Muscadell Road. A map of the area is shown in Attachment No. 1.

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The existing traffic volumes at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road exceed the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on November 5, 2015, at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road. 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 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:

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|---|-----------|------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 102% |
| • Warrant 2 – Accident Hazard | Warranted | 0% |
| • Warrant 3 – Sight Restriction | Warranted | 0% |

All-way Stop Controls are recommended at the intersection of Fossil Hill Road and Via Toscana/Muscadel Road.

All-way stop controls are recommended when one of the above warrants meets 100 percent. As shown above, existing traffic volumes exceed Warrant #1 requirements. As such, All-way Stop Controls are recommended at this location. Zero vehicle collisions were recorded at this intersection from 2014 to July 2015. To date, this is the latest collision data available from York Regional Police. There are no sight restrictions at this intersection.

With Tommy Douglas Secondary School is located at the north west corner of Fossil Hill Road and Major Mackenzie Drive, 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 consistent 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 Fossil Hill Road and Via Toscana/Muscadel Road, as the Provincial Warrant for all-way stop controls is met. The implementation of an all-way stop control at this location will enhance the level of safety of the intersection.

Attachments

1. Location Map

Report prepared by:

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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.)