

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF SEPTEMBER 16, 2015

Item 3, Report No. 31, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on September 16, 2015.

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**ALL-WAY STOP CONTROL REVIEW
VELLORE AVENUE AND MEDITERRA DRIVE
WARD 3**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner Public Works and the Director of Transportation Services, Parks and Forestry Operations, dated September 9, 2015:

Recommendation

The Commissioner Public Works and the Director of Transportation Services, Parks and Forestry Operations recommend:

1. That Council enact a By-law to install an all-way stop control at the intersection of Vellore Avenue and Mediterra Drive.

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 cost associated with the installation of the all-way control signage and pavement markings has been included in the approved 2015 Operating Budget. The ongoing costs to maintain the signage and pavement markings will be incorporated into future year operating budgets.

Communications Plan

Staff have been in contact with the local area residents and will advise the community of the outcome of Council's decision in this matter.

Purpose

The purpose of this report is to review the feasibility of implementing an all-way stop control at the intersection of Vellore Avenue and Mediterra Drive.

Background - Analysis and Options

A review of traffic activity was conducted at the intersection of Vellore Avenue and Mediterra Drive.

A review of traffic activity was conducted at the intersection of Vellore Avenue and Mediterra Drive on May 20 and 21, 2015, to determine the feasibility of implementing an all-way stop control.

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Vellore Avenue and Mediterra Drive are both minor collector roadways with a 23.0 metre right-of-way and an 11.5 metre pavement width. The intersection of Vellore Avenue and Mediterra Drive is a four-leg intersection with the existing stop controls on Mediterra Drive. A map of the area is shown in Attachment No.1.

The existing Minimum Vehicular Volumes at the intersection of Vellore Avenue and Mediterra Drive satisfy the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on May 20 and 21, 2015, at the intersection of Vellore Avenue and Mediterra Drive. 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 | 113% |
| •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 this intersection. The Accident Hazards and Sight Restriction are not satisfied at this intersection.

An all-way Stop Control is recommended at the intersection of Vellore Avenue and Mediterra Drive as this intersection satisfies the minimum requirements of the Provincial Warrant for All-way Stop Controls.

It is recommended that an all-way stop control be installed at the intersection of Vellore Avenue and Mediterra Drive as the intersection satisfies and exceeds the Minimum Vehicular Volumes required for the Provincial Warrant for All-way Stop Controls.

Relationship to Vaughan Vision 2020/Strategic Plan

The recommendations contained in this report support the following objectives of Vaughan Vision 2020:

Service Excellence

- Demonstrate Excellence in Service Delivery
- Promote Community Safety, Health and Wellness

Regional Implications

Not Applicable.

Conclusion

As the intersection of Vellore Avenue and Mediterra Drive satisfies and exceeds the required Minimum Vehicular Volumes, an all-way stop control is recommended.

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.)