

COMMITTEE OF THE WHOLE – JANUARY 17, 2005

MARTIN GROVE ROAD (BETWEEN BELLONA STREET AND JACKMAN CRESCENT) PROPOSED STOP CONTROL & PEDESTRIAN CROSSWALK

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That an all-way stop control not be installed on Martin Grove Road at the Father Ermanno Bulfon Community Centre access; and
2. That this report regarding the installation of a pedestrian signal on Martin Grove Road be received and that funding for the project be considered as part of the 2005 Capital Budget deliberations should Council wish to approve the installation of a pedestrian signal.

Purpose

To review the feasibility of implementing an all-way stop control on Martin Grove Road at the Father Ermanno Bulfon Community Centre access and to install a pedestrian crosswalk, in response to direction from Council.

Background - Analysis and Options

At its meeting on September 13, 2004 Council directed:

“Staff to investigate the need for and feasibility and costs of installing a stop sign control and pedestrian crossing on Martin Grove Road, between Bellona Street and Jackman Crescent, at the exit/entrance of Father Ermanno Bulfon Community Centre parking lot.”

Martin Grove Road is a four lane collector road with a 50 km/h speed limit. Father Ermanno Bulfon Park and Community Centre and a Church are located on the east side of Martin Grove Road. The area street network is shown on Attachment No. 1.

Concerns were expressed from residents regarding the vehicle speeds on Martin Grove Road and that it is difficult to safely cross the roadway.

Staff conducted a turning movement count on November 24, 2004 at the subject location during peak travel periods. The count was conducted from 7:00am to 9:00am and 3:30pm to 6:00pm. The collected traffic volumes compared to the Provincial Warrant for All-way Stop Control are as shown below.

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|---|---------------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted 26% |
| • Warrant 2 – Accident Hazard | Warranted 0% |
| • Warrant 3 – Sight Restriction | Warranted 0% |

For an all-way stop control to be warranted, one or more of the three warrants must be satisfied 100% or greater. None of the results of the turning movement counts meet the requirements of the Provincial Warrant for All-Way Stop Control. The above results reflect the highest peak traffic hour at this intersection. The traffic volume to/from the driveway access is low. It is recognized that the volume of traffic may increase slightly in the evenings, on weekends and the summer months to the Community Centre, Park and the Church. However, the traffic volume is not expected to meet the warrant values of 120 vehicles for one peak hour period.

There are no sight distance restrictions noted at this location. Sidewalks are on both sides of Martin Grove Road. There were also no reported vehicle collisions at this location.

Staff conducted a pedestrian study in this area on November 25, 2004. The number of pedestrians crossing Martin Grove Road between Jackman Crescent and Bellona Street is 21. The highest number crossing was directly in front of the Community Centre. The pedestrian activity may increase slightly during the summer months.

An on site review was completed along the section of Martin Grove Road between Bellona Street and Jackman Crescent to ensure the pedestrian signal can be placed without interference to residential driveways. There are three appropriate locations: south leg of Jackman Crescent and Martin Grove Road intersection, south side of the Community Centre's access and the north side of Bellona Street and Martin Grove Road intersection. There is an existing walkway that connects to Martin Grove Road from the Community Centre site at all three locations. Should Council wish to install a pedestrian signal the most appropriate location would be at the south side of the Community Centre's access.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to identify and implement innovative traffic management alternatives to improve general traffic safety (1.1.3).

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Conclusion

Based on staff's review, it is recommended that an all-way stop control not be installed on Martin Grove Road at the Father Ermanno Bulfon Community Centre access. Should Council wish to install a pedestrian signal, at the appropriate location, that funding for the project be considered as part of the 2005 Capital Budget deliberations.

Attachments

1. Location Map

Report prepared by

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Respectfully submitted,

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Commissioner of Engineering and Public Works

Gary Carroll, P. Eng.
Director of Engineering Services

:MD

ATTACHMENT No. 1

