

## COMMITTEE OF THE WHOLE – MAY 3, 2004

### QUEEN ISABELLA CRESCENT AND MAST ROAD (NORTH INTERSECTION) PROPOSED ALL-WAY STOP CONTROL

#### Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control not be installed at the northerly intersection of Queen Isabella Crescent and Mast Road.

#### Purpose

To review the feasibility of implementing an all-way stop control at the northerly intersection of Queen Isabella Crescent and Mast Road, in response to direction from Council.

#### Background - Analysis and Options

At its meeting on March 8, 2004 Council directed:

**“That staff be requested to investigate the need for and feasibility of installing a three-way stop control at the northerly intersection of Queen Isabella Crescent and Mast Road and to report to a Committee of the Whole meeting as soon as possible”.**

Queen Isabella Crescent and Mast Road are local residential roads. St. James Catholic School is located on the east side of Mast Road. Accordingly, Mast Road is designated as a 40 km/h speed zone in this area. The speed limit on Queen Isabella Crescent is a statutory 50 km/h. Existing stop controls are located on Queen Isabella Crescent. There is an existing school crossing guard at the northerly intersection of Queen Isabella Crescent and Mast Road. The area is shown on Attachment No. 1.

Area residents have expressed concerns at this intersection, citing the lack of an all-way stop control.

Staff conducted turning movement counts at this intersection on April 6, 2004 during peak travel periods. The times the counts were conducted were from 7:30am to 9:00am and from 3:00pm to 5:30pm. The collected traffic volumes compared to the Provincial Warrant for All-way Stop Control are as shown below.

#### Queen Isabella Crescent and Mast Road (North Intersection)

- |   |               |
|---|---------------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted 51% |
| • 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 3 warrants must be satisfied 100% or more. The results of the turning movement counts do not meet the requirements of the Provincial Warrant for All-Way Stop Control. The above results reflect the higher vehicle and pedestrian activities during St. James Catholic School's start and dismissal periods. During all other times, vehicle and pedestrian volumes are significantly lower.

There are no sight distance restrictions noted at this intersection. There were also no reported vehicle collisions at this intersection.

### **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 at the northerly intersection of Queen Isabella Crescent and Mast Road.

### **Attachments**

1. Location Map

### **Report prepared by**

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Respectfully submitted,

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# ATTACHMENT No. 1

