

COMMITTEE OF THE WHOLE – JUNE 16, 2008

**TREASURE ROAD AND DEL FRANCESCO WAY
ALL-WAY STOP CONTROL REVIEW**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Treasure Road and Del Francesco Way.

Economic Impact

The cost to install the all-way stop signs and pavement markings (stop bars) will be an initial impact on the 2008 Operating Budget. There are sufficient funds available for this work. The on-going costs to maintain the signs and pavement markings would be incorporated in future Operating Budgets.

Communication Plan

Engineering Services staff will contact the resident with the direction from Council.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Treasure Road and Del Francesco Way, in response to a request from a local resident.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of Treasure Road and Del Francesco Way. Treasure Road is a local roadway with a 17.5 metre right-of-way and 8.0 metre pavement width. Del Francesco Way is a local roadway with a 20.0 metre right-of-way and 9.0 metre pavement width. The existing speed limits on Treasure Road and Del Francesco Way are statutory 50 km/h. The existing stop control is on Del Francesco Way. The area is shown in Attachment No.1.

Staff conducted a turning movement count on April 30, 2008 at the intersection of Treasure Road and Del Francesco Way during the morning and afternoon peak time periods of 7:00 am to 9:00 am, and 4:00 pm to 6:00 pm. The weather on this day was cloudy and clear. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

Warrant 1 – Minimum Vehicular Volumes	Warranted	93%
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% or more. There have been no reported collisions at this intersection susceptible to prevention by implementing all-way stop control from January 2005 to December 2006, the last year for which collision data is available. There are no sight distance restrictions at this intersection. According to the results above, this intersection does not meet the minimum requirements of the Provincial Warrant.

Staff however believes it would be beneficial to install an all-way stop control at the intersection of Treasure Road and Del Francesco Way. The warrant requires 350 vehicles entering the intersection from all approaches. Staff recorded 325 vehicles at the intersection from all

approaches, only 25 vehicles below the criteria in the All-Way Stop Warrant. Since the 25 vehicles to meet the warrant could be met at anytime, it would be beneficial to install the all-way stop control at this time.

Relationship to Vaughan Vision 2020

Enhance and Ensure Community Safety, Health and Wellness – To advocate for, protect and enhance community safety, health and wellness through education, design and enforcement.

This report is consistent with the priorities previously set by Council.

Regional Implications

Not Applicable.

Conclusion

Based on staff's review, it is recommended that all-way stop control be installed at the intersection of Treasure Road and Del Francesco Way.

Attachments

1. Location Map

Report prepared by:

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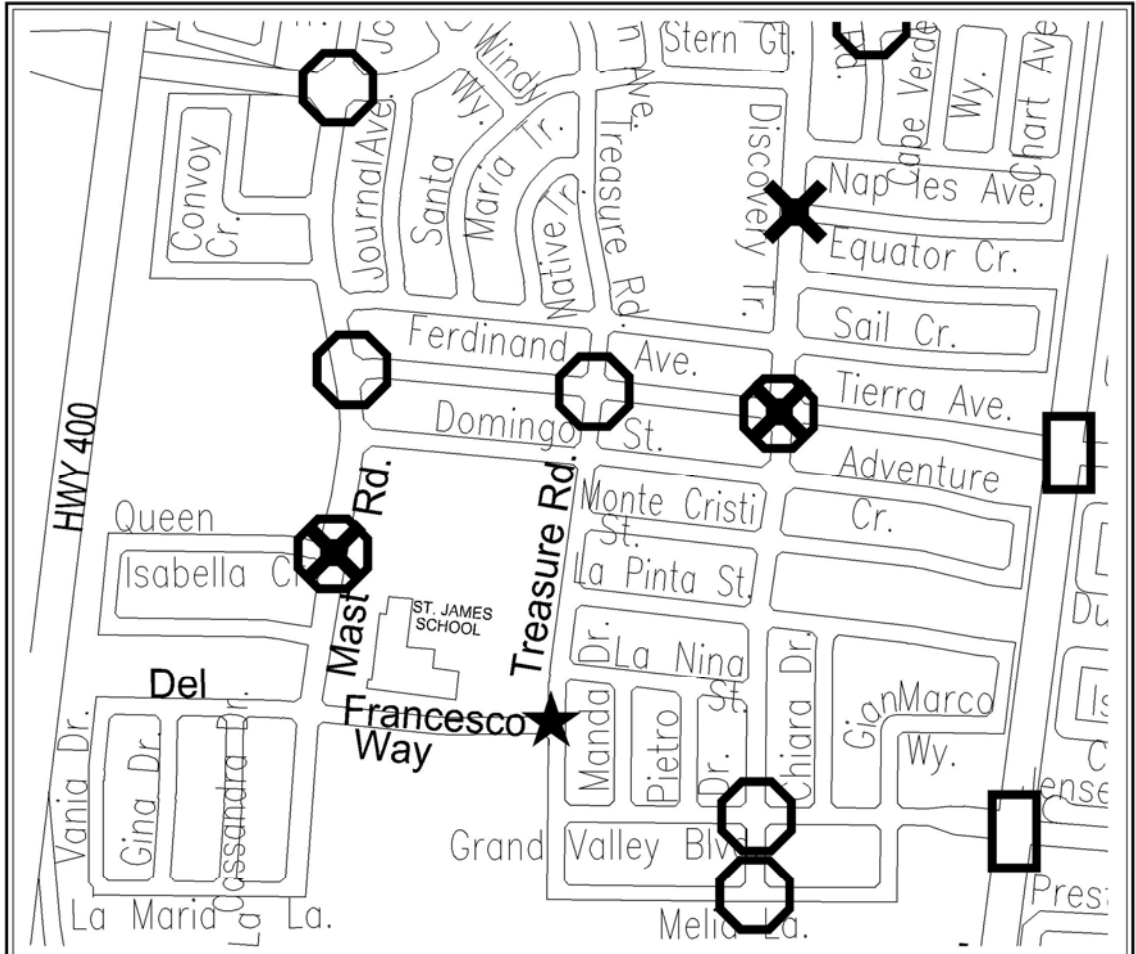
Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

Debbie Korolnek, P.Eng.
Director of Engineering Services





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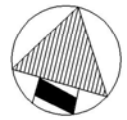
ATTACHMENT No. 1



TREASURE ROAD and DEL FRANCESCO WAY PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SUPERVISED SCHOOL CROSSING
-  EXISTING TRAFFIC SIGNALS



NOT TO SCALE