

COMMITTEE OF THE WHOLE – MAY 28, 2007

**FOREST FOUNTAIN DRIVE AND SUNSET RIDGE
PROPOSED ALL-WAY STOP CONTROL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Forest Fountain Drive and Sunset Ridge.

Economic Impact

The cost to install the stop signs and pavement markings would be an initial impact on the 2007 Operating Budget, and the costs to maintain the signs and pavement markings would have an impact to future Operating Budgets.

Communications Plan

Engineering Services staff have provided the Mayor's office with a response to this matter. This information has been provided to the Sonoma Heights Phase 3 Neighbourhood Traffic Committee Chair.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Forest Fountain Drive and Sunset Ridge, in response to a request from the Mayors office.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of Forest Fountain Drive and Sunset Ridge. Sunset Ridge and Forest Fountain Drive are local roadways with a 20 metre right-of-way. The existing stop control is located on Forest Fountain Drive. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Wednesday, March 28, 2007, at the intersection of Forest Fountain Drive and Sunset Ridge during the morning and afternoon peak time periods of 7:00 a.m. to 9:00 a.m., and 3:00 p.m. to 6:00 p.m. On the day of the traffic study the weather was sunny 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 from June 2005 through to June 2006 at this intersection susceptible to prevention by implementing all-way stop control. There are no sight restrictions at this intersection. According to the results above, this intersection does not meet the minimum requirements of the warrant.

Staff however believes it would be beneficial to install an all-way stop control at the intersection of Forest Fountain Drive and Sunset Ridge. The warrant requires 120 vehicles from the side street. Staff recorded 112 vehicles entering the intersection from the side street, only 8 vehicles below

the criteria in the All-Way Stop Warrant. Since the 8 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 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.

Regional Implications

Nil.

Conclusion

Based on staff's review, it is recommended that all-way stop control be installed at the intersection of Forest Fountain Drive and Sunset Ridge.

Attachments

1. Location Map

Report prepared by:

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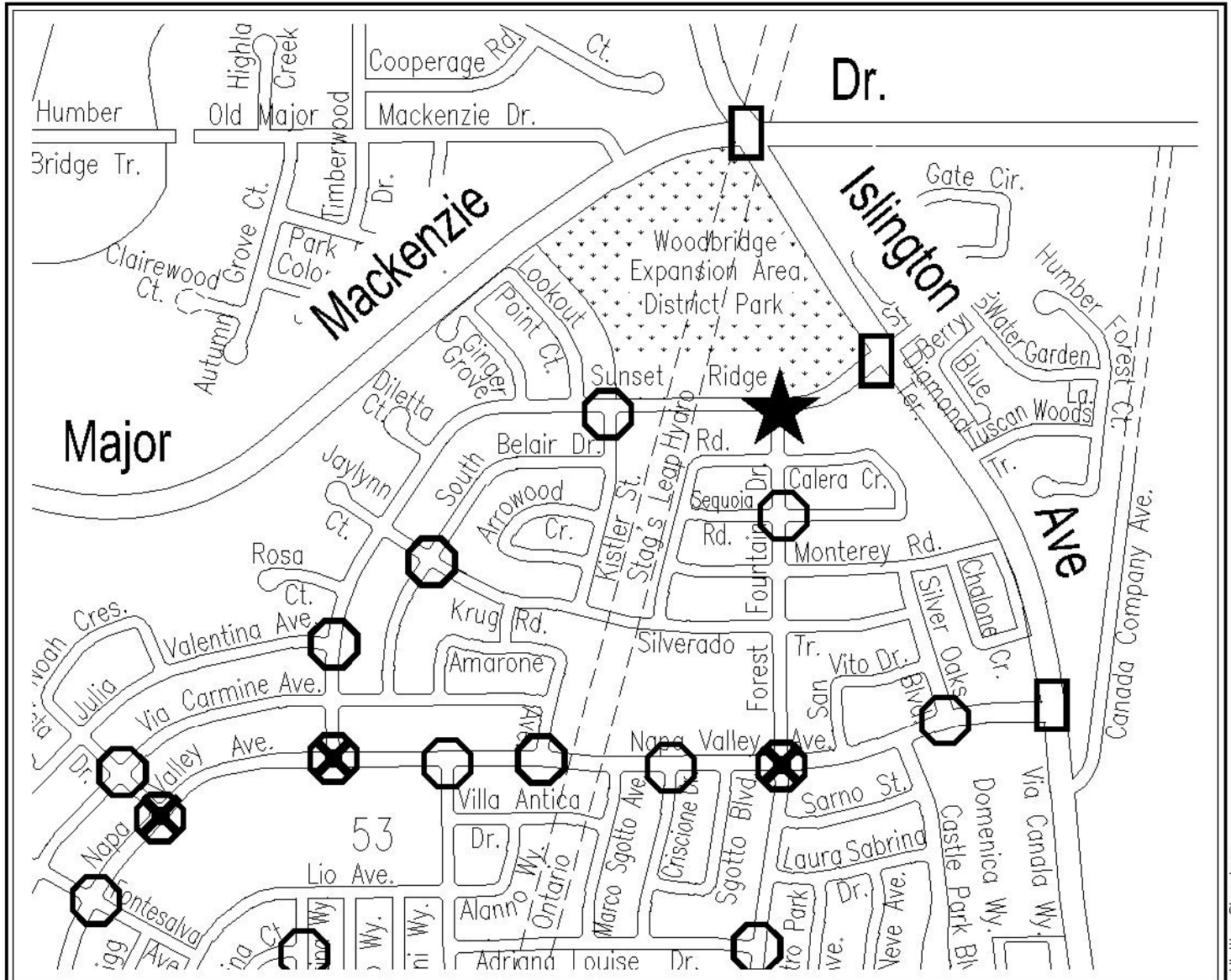
Respectfully submitted,

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

Gary P. Carroll, P. Eng.
Director of Engineering Services





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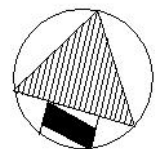
ATTACHMENT No. 1



FOREST FOUNTAIN DRIVE AND SUNSET RIDGE PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  PROPOSED ALL-WAY STOP CONTROL
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SUPERVISED SCHOOL CROSSING



NOT TO SCALE