

## COMMITTEE OF THE WHOLE – SEPTEMBER 6, 2005

### SUNSET RIDGE AND KISTLER STREET 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 intersection of Sunset Ridge and Kistler Street.

#### Economic Impact

Not applicable.

#### Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Sunset Ridge and Kistler Street, in response to direction from Council.

#### Background - Analysis and Options

At its meeting on June 27, 2005 Council directed:

**“Councillor Tony Carella recommends staff be directed to prepare a report on the feasibility of installing a three-way stop sign at the intersection of Sunset Ridge and Kistler Street.”**

Sunset Ridge is a local road with a 20.0 metre right-of-way width and two travel lanes. Kistler Street is a local road with a 15.0 metre right-of-way and two travel lanes. The intersection of Sunset Ridge and Kistler Street has a raised intersection feature. The posted speed limit on Sunset Ridge is 40 km/h, and Kistler Street is a statutory 50 km/h. The north leg of the intersection provides vehicle access to the Woodbridge Expansion Area District Park. The existing stop controls are located on Kistler Street, at the subject intersection. The area is shown on Attachment No. 1.

Staff conducted a turning movement count on Thursday, July 14, 2005 at the subject intersection during peak travel periods. The traffic counts were conducted from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m. The collected traffic volumes compared to the Provincial Warrant for All-Way Stop Control are as shown below:

- |   |               |
|---|---------------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted 40% |
| • 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 highest peak traffic hour at this intersection.

There is no sight distance restrictions noted at this intersection and there were zero reported vehicle collisions in the past year.

Staff note that while pedestrian counts were not undertaken in the immediate area, the recent opening of the Woodbridge Expansion Area District Park has seen a rise in pedestrian activity. In this regard, pedestrian warning signs were installed in July 2005 to caution motorists traveling along Sunset Ridge in advance of the 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.

### **Conclusion**

Based on staff's review, it is recommended that an all-way stop control not be installed at the intersection of Sunset Ridge and Kistler Street.

### **Attachments**

1. Location Map

### **Report prepared by**

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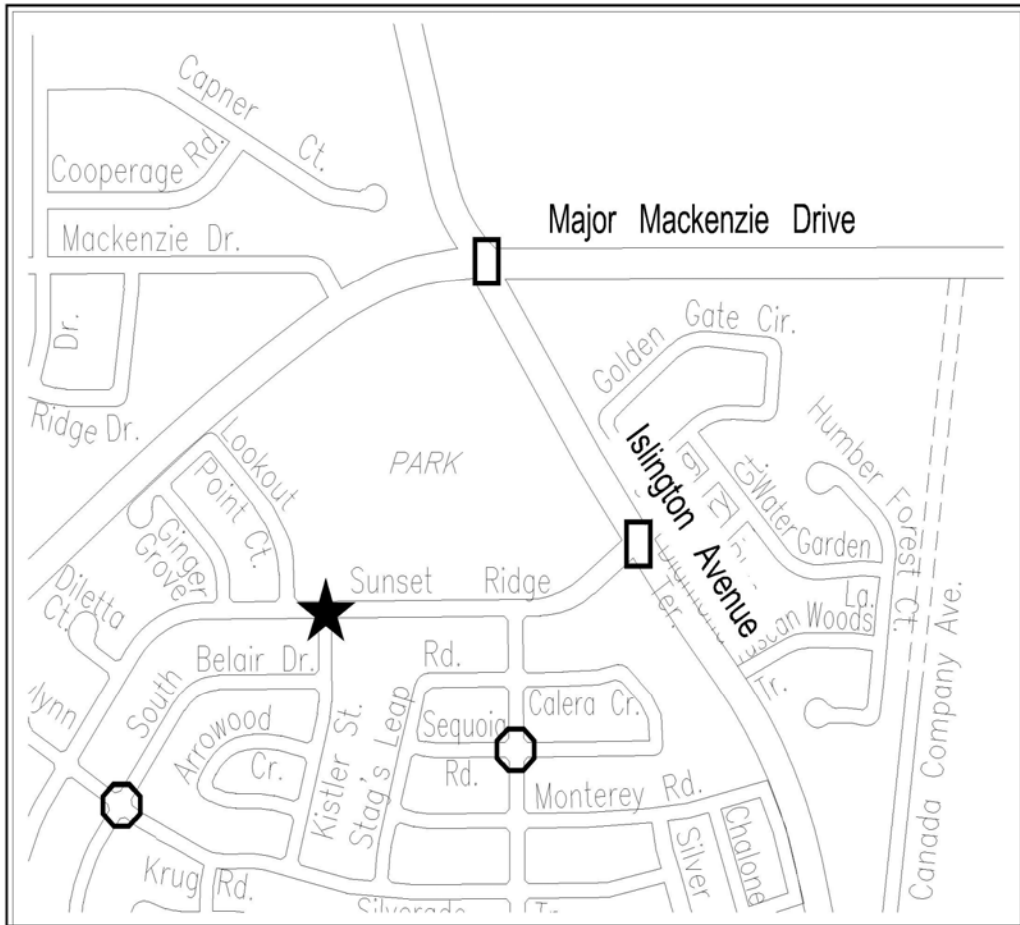
Respectfully submitted,

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

Gary Carroll, P. Eng.  
Director of Engineering Services




MR:mc

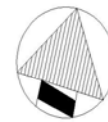
# ATTACHMENT No. 1



## SUNSET RIDGE & KISTLER STREET PROPOSED ALL-WAY STOP CONTROL

### LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL



NOT TO SCALE