

**COMMITTEE OF THE WHOLE – DECEMBER 7, 2010**

**PROPOSED ALL-WAY STOP CONTROL  
FOSSIL HILL ROAD AND SAINT FRANCIS AVENUE  
WARD 3**

**Recommendation**

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Fossil Hill Road and Saint Francis Avenue, as the Provincial All-way Stop Warrant is met.

**Contribution to Sustainability**

The installation of an all-way stop control at the intersection of Fossil Hill Road and Saint Francis Avenue will promote and improve traffic flow and pedestrian movements in this area.

**Economic Impact**

Sufficient funding for installation of the all-way stop signs and pavement markings (stop bars) has been included in the draft 2011 Operating Budget. The on-going costs to maintain the signs and pavement markings would be incorporated in future years Operating Budgets.

**Communications Plan**

Engineering Services staff will contact the resident on the outcome of Council's decision in this matter.

**Purpose**

To review the feasibility of implementing an all-way stop control at the intersection of Fossil Hill Road and Saint Francis Avenue, in response to a request received from a resident.

**Background - Analysis and Options**

Engineering Services staff received a request from a resident to review the traffic activity at the intersection of Fossil Hill Road and Saint Francis Avenue.

Fossil Hill Road and Saint Francis Avenue are both classified as minor collector roadways with a 23.0 metre right-of-way and a pavement width of 11.5 metres. The current stop control is on Saint Francis Avenue. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Thursday, September 30, 2010 at this intersection. This intersection is a three leg 'T' intersection. The study was conducted during the peak morning and afternoon time periods of 7:00 am to 9:00 am and 4:00 pm to 6:00 pm. On the day of the traffic study the weather was cloudy. The data collected was compared to the Provincial Warrant for All-Way Stop Control with the following results:

- |   |           |      |
|---|-----------|------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 127% |
| • 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. Existing traffic volumes fulfill 127% of the required 100% on the warrant. There are no

recorded vehicle collisions susceptible to correction by an all-way stop control at this intersection. There are no sight restrictions at this intersection. According to the results above, this intersection meets the minimum requirements of the Provincial Warrant for All-way Stop Control.

### **Relationship to Vaughan Vision 2020/Strategic Plan**

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in:

- Pursue Excellence in Service Delivery;
- Enhance and Ensure Community Safety, Health & Wellness; and
- Lead and Promote Environmental Sustainability.

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

### **Regional Implications**

Not Applicable.

### **Conclusion**

Based on Engineering Services staff's review, it is recommended that an all-way stop control be installed at the intersection of Fossil Hill Road and Saint Francis Avenue.

### **Attachments**

1. Location Map

### **Report prepared by:**

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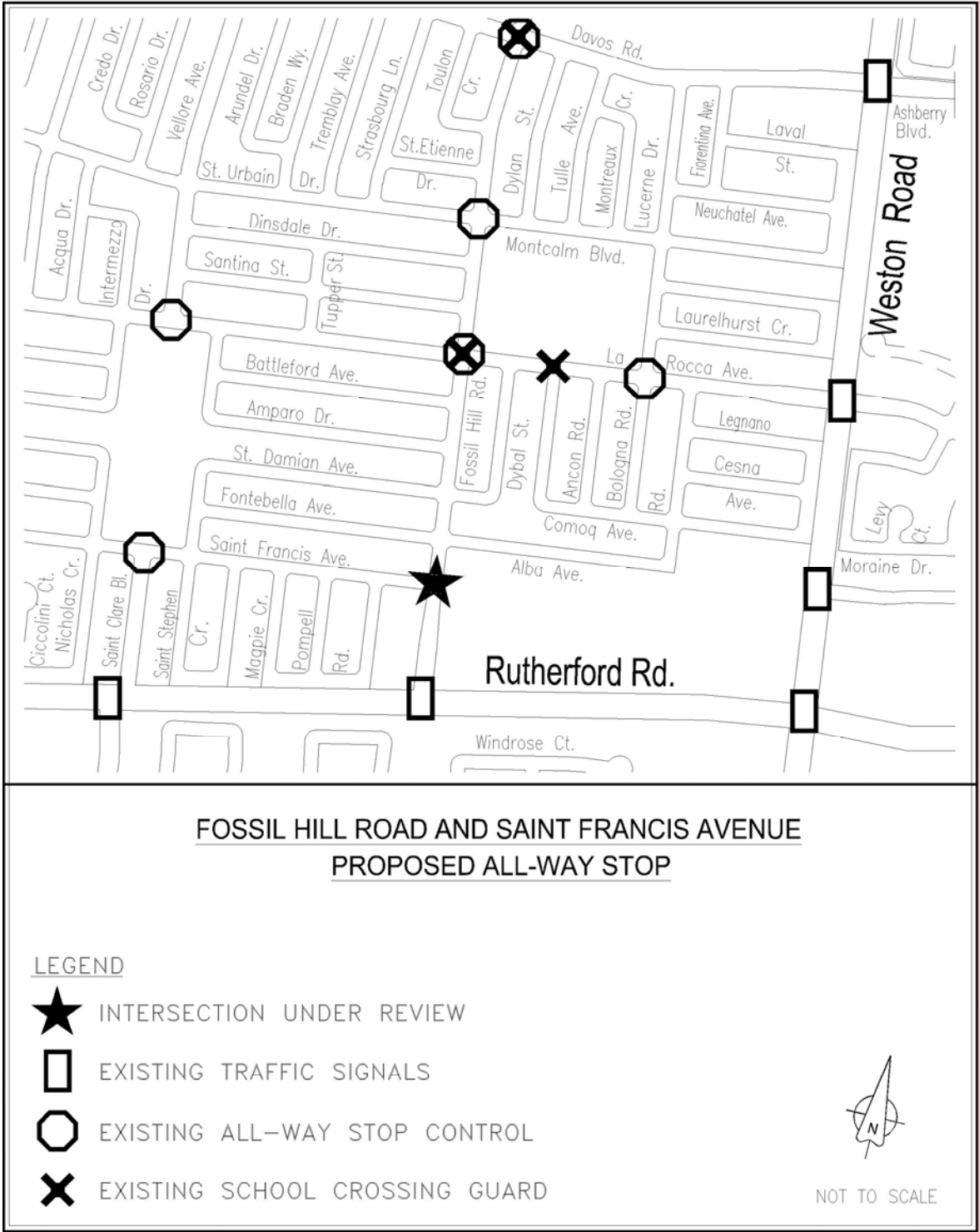
Respectfully submitted,

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

Jack Graziosi, P. Eng., M. Eng.  
Director of Engineering Services

MR:

# ATTACHMENT No. 1



## FOSSIL HILL ROAD AND SAINT FRANCIS AVENUE PROPOSED ALL-WAY STOP

### LEGEND

- ★ INTERSECTION UNDER REVIEW
- EXISTING TRAFFIC SIGNALS
- EXISTING ALL-WAY STOP CONTROL
- ✕ EXISTING SCHOOL CROSSING GUARD



NOT TO SCALE