

## **COMMITTEE OF THE WHOLE – FEBRUARY 22, 2011**

### **PROPOSED ALL-WAY STOP CONTROL PETER RUPERT AVENUE AND MAURIER BOULEVARD WARD 4**

#### **Recommendation**

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Peter Rupert Avenue and Maurier Boulevard as the Provincial All-way Stop Warrant is met.

#### **Contribution to Sustainability**

The installation of an all-way stop control at the intersection of Peter Rupert Avenue and Maurier Boulevard 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 year Operating Budgets.

#### **Communications Plan**

Engineering Services staff will advise area residents of 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 Peter Rupert Avenue and Maurier Boulevard, in response to a request received from a resident.

#### **Background - Analysis and Options**

Engineering Services staff reviewed the traffic activity at the intersection of Peter Rupert Avenue and Maurier Boulevard.

Peter Rupert Avenue and Maurier Boulevard 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 controls are on Maurier Boulevard. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Thursday, December 9, 2010 at this intersection. This intersection is a three leg 'tee' intersection. The study was conducted during the peak morning and afternoon time periods of 7:00 am to 9:00 am and 3:00 pm to 6:00 pm. On the day of the traffic study the weather was sunny. The data collected was compared to the Provincial Warrant for All-Way Stop Control with the following results:

- |   |           |      |
|---|-----------|------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 121% |
| • Warrant 2 – Accident Hazard           | Warranted | 25%  |
| • 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 121% of the required 100% on the warrant. There was one recorded vehicle collision in the past 12 month period. There are no sight restrictions at this intersection. Based on 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 Peter Rupert Avenue and Maurier Boulevard.

### **Attachments**

1. Location Map

### **Report prepared by:**

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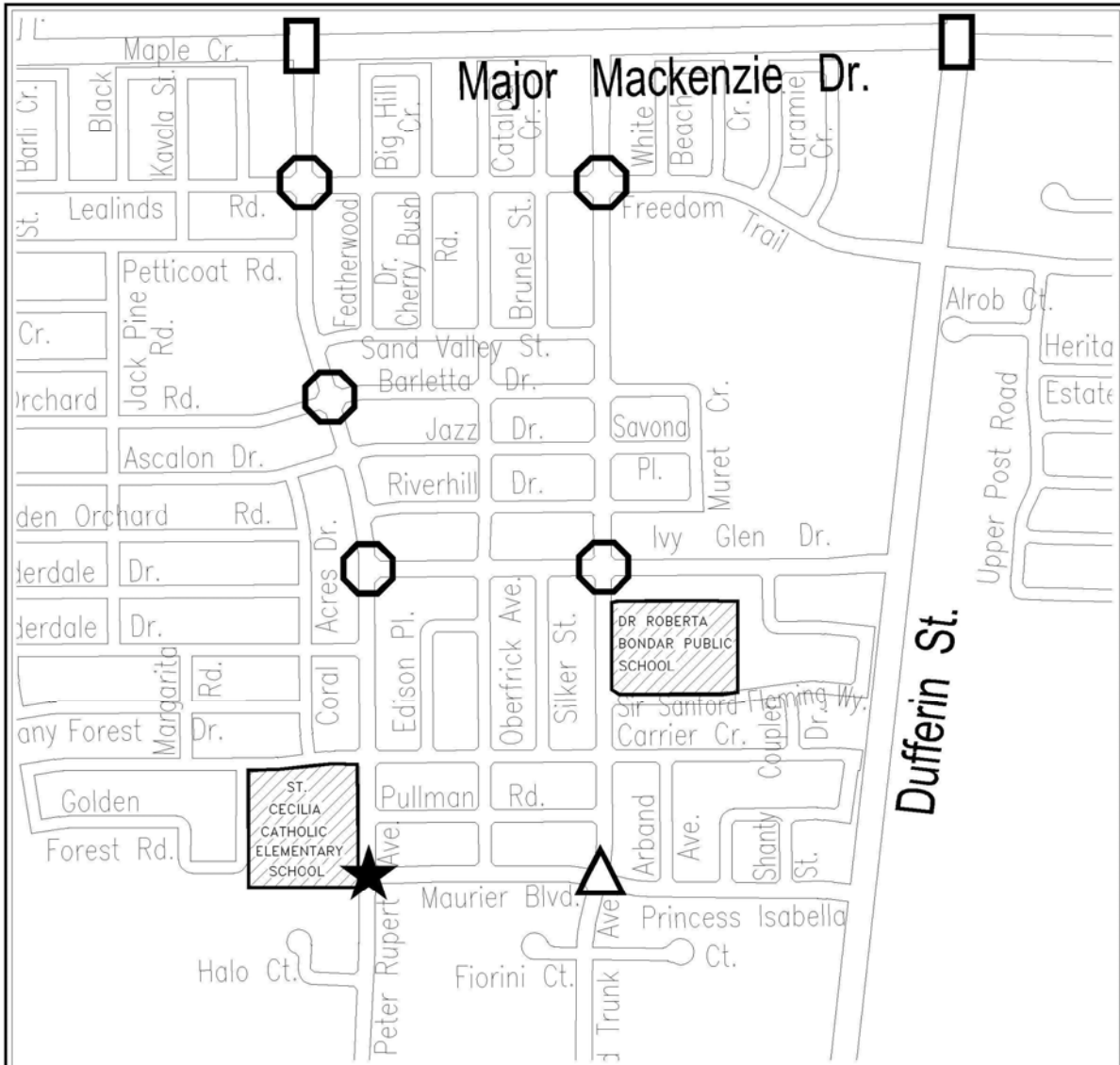
Respectfully submitted,

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

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

MR:mc

# ATTACHMENT No. 1



## PETER RUPERT AVENUE AND MAURIER BOULEVARD PROPOSED ALL-WAY STOP CONTROL

### LEGEND

- ★ PROPOSED ALL-WAY STOP CONTROL
- ⬡ EXISTING ALL-WAY STOP
- ⬢ EXISTING TRAFFIC SIGNAL
- ⬠ APPROVED ALL-WAY STOP (Soon-to-be installed)



NOT TO SCALE

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