

## **COMMITTEE OF THE WHOLE – SEPTEMBER 13, 2011**

### **PROPOSED ALL-WAY STOP CONTROL ROMINA DRIVE AND GENSAL GATE WARD 4**

#### **Recommendation**

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Romina Drive and Gensal Gate, as the Provincial All-way Stop Warrant is now met.

#### **Contribution to Sustainability**

The installation of an all-way stop control at the intersection of Romina Drive and Gensal Gate will promote and improve traffic flow and pedestrian movements in this area. As such, the installation of the all-way stop control is consistent with Green Directions Vaughan Goal #3: "To ensure that Vaughan is a City that is easy to get around with a low environmental impacts." More particularly, the installation will advance the following objectives:

- Objective 3.1 To develop and sustain a network of sidewalks, paths and trails that supports all modes of non-vehicular transportation.
- Objective 3.2 To develop and sustain a network of roads that supports efficient and accessible public and private transit.

#### **Economic Impact**

Sufficient funding for installation of the all-way stop signs and pavement markings (stop bars) has been included in the approved 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 notify the area businesses 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 Romina Drive and Gensal Gate, in response to a request received from a local business owner.

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

Engineering Services staff reviewed the traffic activity at the intersection of Romina Drive and Gensal Gate.

Gensal Gate is a collector roadway with a 28.5 metre right-of-way and a 16.5 metre pavement width. Romina Drive is classified a minor collector roadway with a 23.0 metre right-of-way and an 11.5 metre pavement width. The intersection of Romina Drive and Gensal Gate is a 'tee' intersection with the existing stop control on Gensal Gate. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Tuesday, June 7, 2011 at this intersection. The study was conducted during the peak morning and afternoon time periods of 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., respectively. Staff also reviewed accident records for 2010, and sight lines at the approaches to the intersection. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

- |   |           |      |
|---|-----------|------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 146% |
| • 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 exceed the volume warrant requirement. There were no recorded vehicle collisions at this intersection in the past 12 month period. 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 enhancing and ensuring community safety, health and wellness; priorities previously set by council. The installation of the all-way stop control will ensure that an appropriate level of service is maintained for pedestrian and vehicular traffic in the vicinity of the intersection.

### **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 Romina Drive and Gensal Gate.

### **Attachments**

1. Location Map

### **Report prepared by:**

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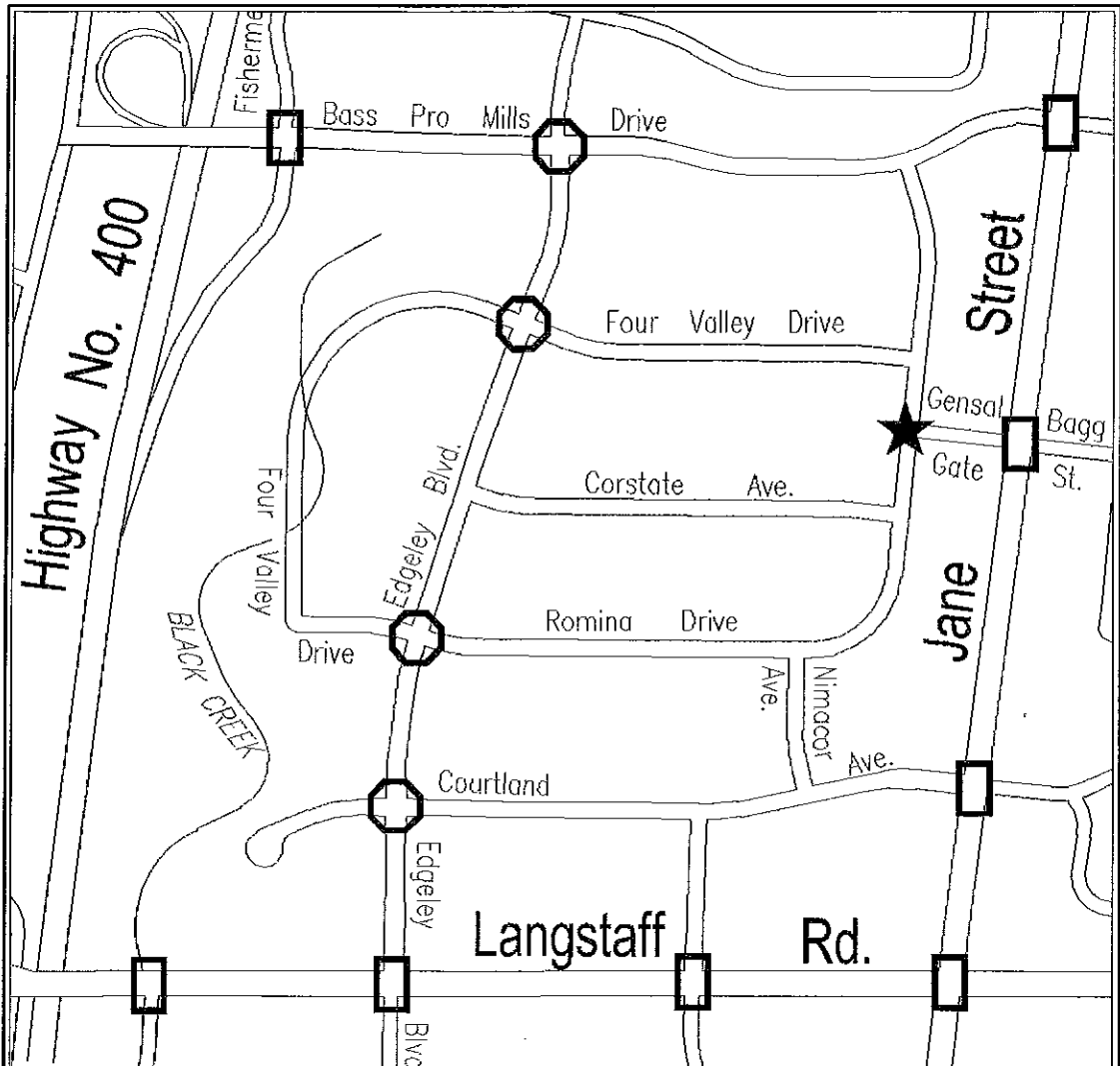
Respectfully submitted,

Paul Jankowski, P. Eng.  
Commissioner of Engineering and Public Works

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




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# ATTACHMENT No. 1



## ROMINA DRIVE AND GENSAL GATE PROPOSED ALL-WAY STOP CONTROL

### LEGEND

-  PROPOSED ALL-WAY STOP CONTROL
-  EXISTING ALL-WAY STOP
-  EXISTING TRAFFIC SIGNAL



NOT TO SCALE

Drawing name: O:\Engineering Services\Design Drafting\TRAFFIC\Romina Drive Gensal Gate all way stop.dwg