

## **COMMITTEE OF THE WHOLE - APRIL 20, 2010**

### **ALL-WAY STOP AT AHMADIYYA AVENUE AND BASHIR STREET WARD 1**

#### **Recommendation**

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control not be installed at the intersection of Ahmadiyya Avenue and Bashir Street.

#### **Contribution to Sustainability**

Not Applicable.

#### **Economic Impact**

None.

#### **Communications Plan**

The local Councillor will advise the residents in the immediate area.

#### **Purpose**

To review the feasibility of implementing an all-way stop control at the intersection of Ahmadiyya Avenue and Bashir Street in view of the approved installation of a pedestrian signal at the same location.

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

At its meeting on October 13, 2009, Council directed:

**“That staff be directed to install an all-way stop control along with an Intersection Pedestrian Signal control at Ahmadiyya Avenue and Bashir Street.”**

Ahmadiyya Avenue is a local roadway with a 20.0 metre right-of-way and a pavement width of 9.0 metres. Bashir Street is a local roadway with a 17.5 metre right-of-way and a pavement width of 8.0 metres. The existing stop control at this intersection is on Bashir Street. The area is shown in Attachment No.1.

The installation of an all-way stop control was approved at the meeting of Council held on October 13, 2009. During that time, Engineering Services staff had identified the need for a pedestrian signal at this intersection, and funding for this work was submitted for approval in the 2010 Capital Budget process. Both the signal and stop sign cannot be installed at the same location, due to conflicting legal regulations under the Highway Traffic Act. The installation of the pedestrian signal would better serve the pedestrians crossing Ahmadiyya Avenue to attend the Mosque, children going to/from Teston Village Public School, and citizens travelling to/from the local parks.

Staff conducted a turning movement count on June 3, 2009 at the intersection of Ahmadiyya Avenue and Bashir Street. This intersection is a three approach '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 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 | 69% |
| • Warrant 2 – Accident Hazard           | Warranted | 50% |
| • 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 69% of the required 100% on the warrant. There are no sight restrictions at this intersection. During the highest peak time period, there were only 38 vehicles from the minor street (Bashir Street). The minimum requirement is 120 vehicles. According to the results above, this intersection does not meet 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 not be installed at the intersection of Ahmadiyya Avenue and Bashir Street.

### **Attachments**

1. Location Map

### **Report prepared by:**

Leslie Potvin, Senior Traffic Technologist, Ext. 3131  
Mike Dokman, Supervisor, Traffic Engineering, Ext. 3118

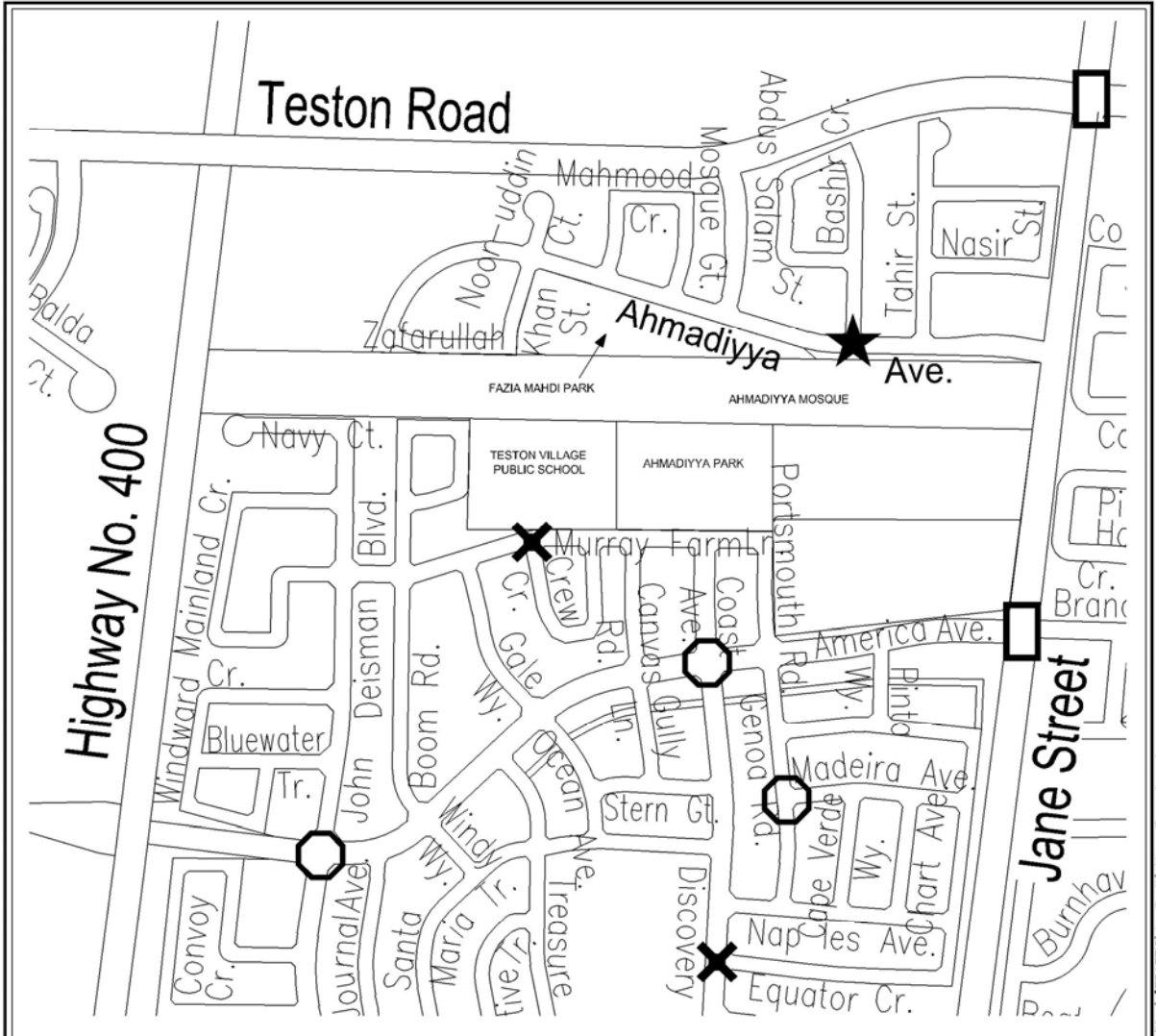
Respectfully submitted,

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

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





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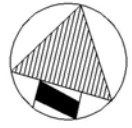
# ATTACHMENT No. 1



## AHMADIYYA AVENUE PROPOSED ALL - WAY STOP CONTROL

### LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  SUPERVISED SCHOOL CROSSING



NOT TO SCALE