

## **COMMITTEE OF THE WHOLE – JANUARY 20, 2003**

### **THORNRIDGE DRIVE AND CHARLES STREET/HELENA GARDENS PROPOSED ALLWAY STOP CONTROL**

#### **Recommendation**

The Commissioner of Engineering and Public Works recommends:

That an allway stop control be installed at the intersection of Thornridge Drive and Charles Street/Helena Gardens.

#### **Purpose**

To review the feasibility of implementing an allway stop control at the intersection of Thornridge Drive and Charles Street/Helena Gardens, in response to requests received from area residents, and increased traffic volumes to and from Pushkin Private School on Thornridge Drive.

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

Thornridge Drive, Charles Street and Helena Gardens are all feeder roadways with a posted speed limit of 40 km/h. The roadways create a four-way intersection with the existing stop controls on Charles Street/Helena Gardens. Refer to Attachment No. 1.

Residents have expressed concerns regarding increased traffic volumes at the intersection of Thornridge Drive and Charles Street/Helena Gardens, citing the lack of an all-way stop control and overall safety in the area.

In response, staff conducted a traffic count at the intersection on December 10, 2002, during the morning and afternoon peak times based on start and end times at Pushkin Private School. The times counted were 7:30 am to 9:00 am and 3:15 pm to 4:45 pm. Based on the study, 69 percent of the Provincial allway stop control warrant is met based solely on vehicle volumes for all approaches to the intersection. However, the intersection has experienced an increase in vehicle volumes due to the opening of Pushkin Private School at the west end of Thornridge Drive. Also, the traffic volumes between the major and minor streets are split nearly equally, indicating that all-way stop control would be an appropriate form of control at the intersection.

There are no sight distance restrictions noted at the intersection. Staff reviewed the vehicle collision history at the intersection and there are no reported vehicle collisions.

#### **Conclusion**

Based on this review, it is recommended that an allway stop control be installed at the intersection of Thornridge Drive and Charles Street/Helena Gardens.

#### **Attachments**

1. Location Map

#### **Report prepared by**

Mark Ranstoller, Transportation Analyst, ext. 8251  
Phil Weber, Transportation Engineer, ext. 8264

Respectfully submitted,

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

# ATTACHMENT No. 1

