

## **COMMITTEE OF THE WHOLE - FEBRUARY 4, 2002**

### **MARTIN GROVE ROAD AND CLAUDIA AVENUE/BAINBRIDGE AVENUE PROPOSED TRAFFIC SIGNAL CONTROL**

#### **Recommendation**

The Commissioner of Development Services and Public Works recommends:

That a traffic signal or other form of signalization not be implemented at the intersection of Martin Grove Road and Claudia Avenue/Bainbridge Avenue.

#### **Purpose**

To conduct a traffic study and report on the feasibility of installing traffic signal control at the intersection.

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

At its meeting of November 26, 2001 Council directed staff to examine the feasibility of installing a traffic signal or other form of traffic control at the intersection of Martin Grove Road and Claudia Avenue/Bainbridge Avenue in response to concerns with motorists and pedestrians crossing Martin Grove Road.

Martin Grove Road is a four lane collector roadway. Claudia Avenue and Bainbridge Avenue are two lane local roadways. There is an existing allway stop control at the intersection, and traffic signals at the intersection of Martin Grove Road and Woodbridge Avenue. Traffic signal control is currently under construction at the intersection of Martin Grove Road and Forest Drive. Refer to Attachment No. 1.

Father Ermano Community Centre and St. Peter's Catholic Church are located on the east side of Martin Grove Road. St. Clement Catholic School is located on the north side of Bainbridge Avenue between St. Peter's Catholic Church and Forest Drive.

Staff conducted a traffic count on December 11, 2001 at the intersection during the typical peak eight hours of traffic activity. The results indicate that the minimum requirements of the Provincial Traffic Signal Warrant are not met. Traffic volumes are relatively low from the side streets (Bainbridge Avenue and Claudia Avenue), especially during the midday time period.

A review of the collision history indicates that nine collisions have occurred at the intersection over the last four years. There were no patterns in the collisions that would indicate a potential for reduction through the implementation of traffic signals.

During the count, 85 and 11 pedestrians crossed Martin Grove Road on the north and south approaches of the intersection, respectively. Based on these volumes, and the opportunity pedestrians have to cross Martin Grove Road under allway stop control, it is not recommended that a pedestrian signal be installed at the intersection.

#### **Conclusion**

Based on this review, it is not recommended that a traffic signal or other form of signalization be installed at the intersection of Martin Grove Road and Bainbridge Avenue/Claudia Avenue.

#### **Attachments**

1. Location Map

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Respectfully submitted,

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# ATTACHMENT No. 1

