

COMMITTEE OF THE WHOLE – MAY 20, 2003

CHANCELLOR DRIVE AND CLOVER LEAF STREET PROPOSED ALLWAY STOP CONTROL

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an allway stop control not be installed at the intersection of Chancellor Drive and Clover Leaf Street.

Purpose

To review the feasibility of implementing an allway stop control at the intersection of Chancellor Drive and Clover Leaf Street, as per Council direction.

Background - Analysis and Options

At its meeting of March 31, 2003, Council directed;

“That staff review and consider the installation of an allway stop control at the Chancellor/Clover Leaf intersection.”

Chancellor Drive is designed as a two-lane feeder type roadway with an existing posted speed limit of 40 km/h. Clover Leaf Street is a local roadway. The roadways create a tee-intersection with the existing stop control on Clover Leaf Street. There are existing traffic signals at the intersection of Pine Valley Drive and Chancellor Drive. Refer to Attachment No. 1.

Staff conducted a traffic count at the intersection on April 24, 2003, during the morning and evening peak travel periods. The times counted were 7:30 am to 9:00 am and 3:30 pm to 5:30 pm. The traffic volumes from Clover Leaf Street are low. Based on the study, only 16 percent of the Provincial allway stop control warrant is met.

There are no sight distance restrictions noted at the intersection. Staff reviewed the vehicle collision history at the intersection over the last three year time period and there is one reported vehicle collision.

The distance from the traffic signals at Pine Valley Drive to Clover Leaf Street is approximately 150 metres. The installation of an allway stop control at Clover Leaf Street may introduce rolling stops or non-stops for westbound motorists on Chancellor Drive attempting to make a green signal at Pine Valley Drive.

Conclusion

Based on this review, it is recommended that an allway stop control not be installed at the intersection of Chancellor Drive and Clover Leaf Street.

Attachments

1. Location Map

Report prepared by

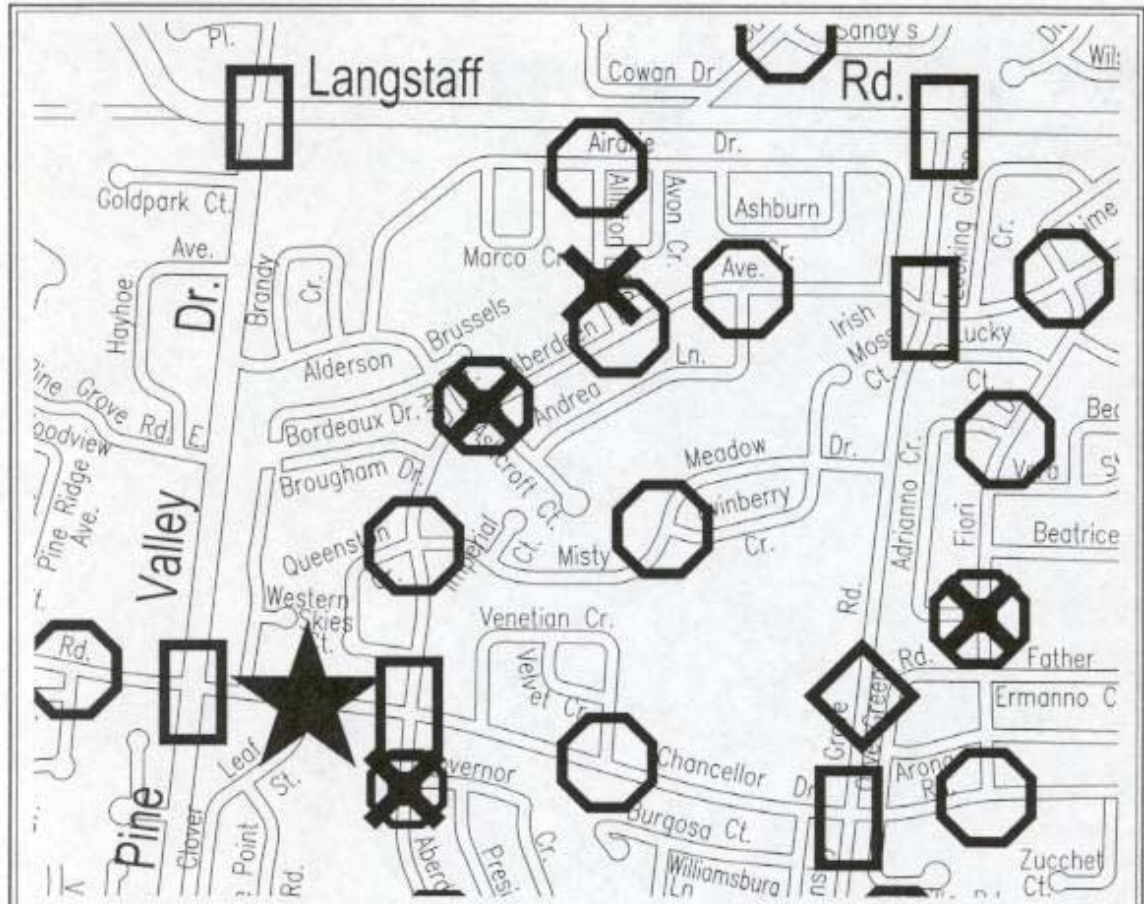
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Respectfully submitted,

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






MD/mp

ATTACHMENT No. 1



CHANCELLOR DRIVE AND CLOVER LEAF STREET PROPOSED ALLWAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALLWAY STOP CONTROL
-  EXISTING SUPERVISED SCHOOLCROSSING
-  EXISTING PEDESTRIAN TRAFFIC SIGNAL



NOT TO SCALE