

COMMITTEE OF THE WHOLE – SEPTEMBER 15, 2003

CLARK AVENUE AND SOBEY'S PLAZA'S EAST ACCESS PROPOSED TRAFFIC SIGNAL

Recommendation

The Commissioner of Engineering and Public Works recommends:

That this report regarding the installation of traffic signals at the intersection of Clark Avenue and the Sobeys Plaza's East Access be received and that funding for the project be considered as part of the 2004 Capital Budget deliberations.

Purpose

To review the feasibility of implementing a traffic signal at the intersection of Clark Avenue and the Sobeys Plaza's East Access, in response to requests received from area residents due to the amount of traffic using this access and the number of vehicle collisions.

Background - Analysis and Options

Clark Avenue is a four lane arterial roadway with an existing speed limit of 50 km/h. The Sobeys Plaza is located on the southwest corner of the intersection of Clark Avenue and Hilda Avenue. (Refer to Attachment No. 1.)

Staff conducted a traffic count at the intersection on September 4, 2003 during the highest eight-hour peak travel periods. The times counted were 7:00 am to 9:00 am, 11:00 am to 2:00 pm and 3:00 pm to 6:00 pm. The results of the study are outlined below.

Warrant 1 – Minimum Vehicular Volumes

Part A - All Approaches – 100%
Part B – Minor Street Approaches – 64%
Overall Percent Met – 64%

(Note: Part B – The minor street traffic volumes are site generated and the percents may increase/decrease slightly.)

Warrant 2 – Delay To Cross Traffic

Part A – Major Street Both Approaches - 100%
Part B – Traffic Crossing Major Street – 83%
Overall Percent Met – 83%

Warrant 3 – Accident Experience

There were 16 vehicle collisions over a 3-year time period that would be susceptible to correction by the installation of a traffic signal. The fulfilled warrant percent is 107%.

Based on the technical requirements of the Provincial Traffic Signal Warrant, the installation of a traffic signal at this intersection is met since two or more of the above Warrants 1, 2, and 3 are satisfied at 80% or more.

There are no sight distance restrictions noted at the intersection. The site access is located approximately 190 metres west of Hilda Avenue.

Conclusion

Based on this review, it is recommended that a traffic signal be installed at the intersection of Clark Avenue and the Sobey's Plaza's East Access. Funding is not available in the 2003 Capital Budget. Accordingly it is proposed that funding in the amount of \$125,000 be considered for this project as part of the 2004 Capital Budget deliberations.

Attachments

1. Location Map

Report prepared by

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Respectfully submitted,

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

MD/fc

ATTACHMENT No. 1

