

COMMITTEE OF THE WHOLE - APRIL 3, 2006

**RUTHERFORD ROAD AND SHERWOOD PARK DRIVE
PROPOSED TRAFFIC SIGNAL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That this report be received for information purposes regarding the installation of a traffic signal at the Rutherford Road and Sherwood Park Drive intersection.

Economic Impact

Not Applicable.

Purpose

To report on the results of Council's request to the Region of York regarding the installation of a traffic signal at the intersection of Rutherford Road and Sherwood Park Drive and regarding the signal timing.

Background - Analysis and Options

At its meeting on January 23, 2006, Council directed:

- “1. That the Region of York be requested to investigate the necessity and feasibility of installing a traffic signal at the intersection of Sherwood Park Drive and Rutherford Road; and**
- 2. That the Region of York be requested to investigate the necessity and feasibility of increasing the length of the northbound advance left turn signal phase at the Keele Street/Rutherford Road intersection.”**

Rutherford Road and Keele Street are under the jurisdiction of the Region of York. Sherwood Park Drive is under the jurisdiction of the City of Vaughan. Sherwood Park Drive is a local roadway with a 20.0 metre right-of-way and a posted speed limit of 40 km/h. The location is shown on Attachment No. 1.

In October 2005, the Region of York conducted a traffic study at the subject intersection, determining that a signal was not warranted at that time. Table 1 summarizes the Traffic Signal Warrant from the traffic data collected at the intersection of Rutherford Road and Sherwood Park Drive on October 6, 2005.

**Table 1
Traffic Signal Warrant Analysis**

<u>Warrant Component</u>	<u>Compliance</u>
Minimum Vehicular Delay	39 %
Delay to Cross Traffic	72%
Collision Hazard (Last three years)	0%
“T” Intersection	N/A
Peak Hour Delay	Does not exceed delay
Safety Performance	Not improved with signals
Paid by Local Municipality	Not Warranted (<70%)

As determined by the data shown above, the Region of York has recommended that traffic signals are not warranted at this intersection.

Region of York staff reviewed the signal timing in this area and agrees that some adjustments are required. Adjustments to the signal timing will be made accordingly at the intersections of Rutherford Road and Keele Street and Rutherford Road and Greenock Drive to provide a greater gap for northbound left turns from Sherwood Park onto Rutherford Road. The Region of York will not be increasing the length of the northbound advance left turn signal phase at the Keele Street and Rutherford Road intersection.

Relationship to Vaughan Vision 2007

This report is consistent with the priorities previously set by Council.

Conclusion

Traffic studies conducted by The Region of York indicate that traffic signals are not warranted at the intersection of Rutherford Road and Sherwood Park Drive. Although signal timing adjustments will be made to the Keele/Rutherford signal, they will not lengthen the northbound advance left turn phase.

Attachments

1. Location Map

Report prepared by:

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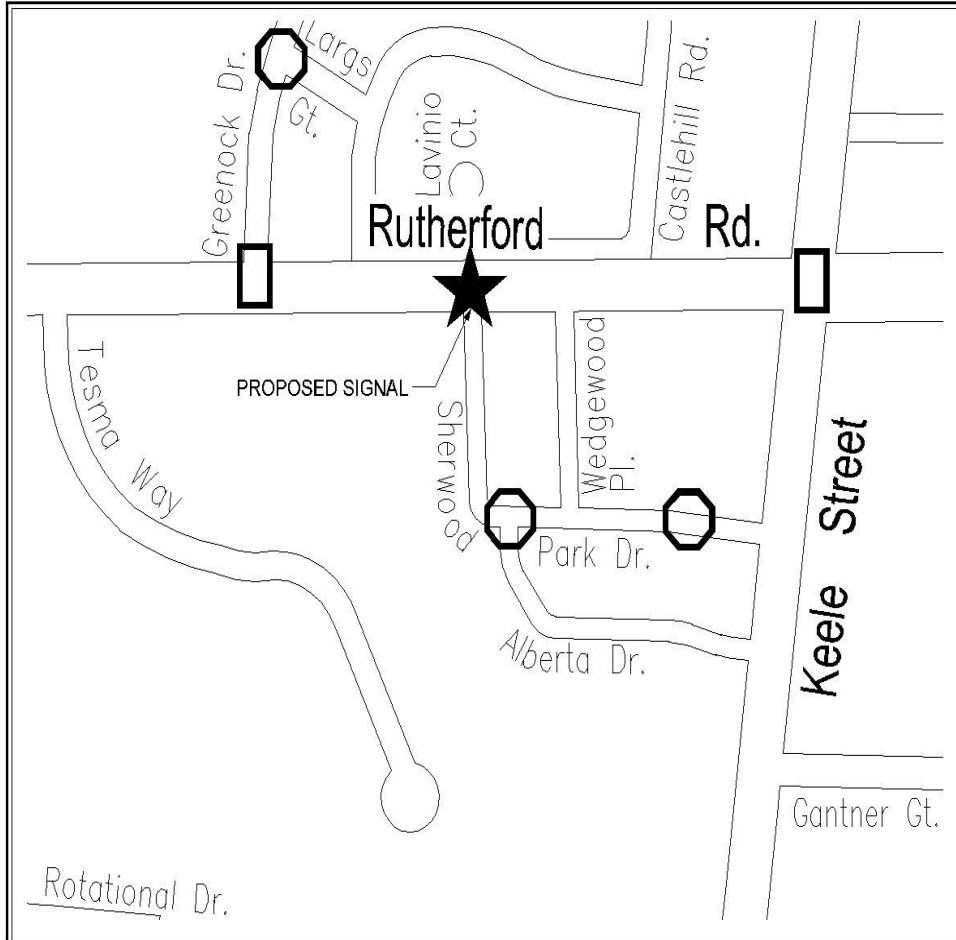
Respectfully submitted,

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

Gary Carroll, P. Eng.
Director of Engineering Services




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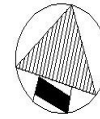
ATTACHMENT No. 1



RUTHERFORD ROAD AND SHERWOOD PARK DRIVE TRAFFIC STUDY

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL



NOT TO SCALE

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