




TO: Mayor and Members of Council

C. John Livey, CAO
Jim Baird, Commissioner, Development Services

FROM: Alan Brown, Director of Engineering 

DATE: July 17, 2008

**Re: Steeles Avenue and 9th Line
Second update on Traffic Control Signal Justification**

This memo updates you on the status of the traffic control signals for the intersection of Steeles Avenue and 9th Line (see reverse side of page for location map). The Engineering Department's last update to you was on April 14, 2008 via email. At that time, we indicated to you that the City of Toronto's traffic study found the signal warrants were not met at the subject intersection and that we were concerned that the study was conducted under unfavourable weather conditions. The City of Toronto agreed to conduct another traffic study to assess the justification for signals at the subject intersection.

The Engineering Department has now received a second study from the City of Toronto and the technical warrants for the installation of traffic control signals are not met. A summary table has been provided below showing the warrants for a signal as per the Ontario Traffic Manual.

Any one of the three justifications must meet 100% to warrant a signal. Alternatively, signals will be warranted if any two of the three justifications meet 80%. Based on the table, Toronto staff advised that signals are not warranted at this time.

Justification #	January '08 % met	April '08 % met
Justification 1 – Minimum Vehicular Volume	75%	88%
Justification 2 – Delay to Cross Traffic	50%	74%
Justification 3 – Collision Hazards	33%	33%

As warrants 1 and 2 are close to meeting, we have requested the City of Toronto to undertake another study in 6 months. City of Toronto staff advised that when the intersection does meet the warrants, they will prioritise this intersection and program it in their capital program but could not guarantee when it would be constructed.

In reference to Justification 3 – Collision Hazards, more detail has been provided below. A five year collision report has been conducted based on Toronto Police Service collision records. Toronto staff advised that the collision records do not meet the average of five accidents per year over three years.

Five Year Collision	2002	2003	2004	2005	2006	2007
Collisions potentially preventable by installation of Signals	2	0	3	1	1	7
Pedestrian related collision crossing Steeles Avenue	0	0	0	0	0	0

I have asked the Region of York to include this matter into future negotiations regarding the Donald Cousens Parkway and Steeles Avenue East jurisdiction. I will keep you posted on the progress of this matter.

If you have any questions or concerns please contact me at extension 7507.

Location Map:

