



**STAFF REPORT
ACTION REQUIRED**

**Proposed Traffic Control Signals – Town Centre Court
and Borough Drive/Scarborough Town Centre Driveway**

Date:	September 22, 2009
To:	Scarborough Community Council
From:	Acting Director, Transportation Services, Scarborough District
Wards:	Ward 38 – Scarborough Centre
Reference Number:	P:\2009\Cluster B\TRA\Scarborough\sc09063 D08-3035933 Town Centre Borough Drive TCS

SUMMARY

This staff report is about a matter for which the Community Council has delegated authority from City Council to make a final decision.

The purpose of this report is to review the feasibility of the installation of traffic control signals at Town Centre Court and Borough Drive / Scarborough Town Centre Driveway.

Traffic studies reveal that a traffic control signal is warranted at this location.

RECOMMENDATIONS

Transportation Services, Scarborough District, recommends that Scarborough Community Council:

1. Approve the installation of traffic control signals at the intersection of Town Centre Court and Borough Drive/Scarborough Town Centre Driveway.
2. Amend the appropriate by-law(s) accordingly.

Financial Impact

The financial cost of installing these new traffic control signals is approximately \$160,000.00. The funding for these signals is available in Transportation Services Division’s Capital Works Budget under Project No. CTP 708-01.

ISSUE BACKGROUND

Further to a request from an area resident, Transportation Services staff reviewed the feasibility of installing a traffic control signal at Town Centre Court and Borough Drive/ Scarborough Town Centre Driveway.

COMMENTS

The following characteristics describe the intersection of Town Centre Court and Borough Drive / Scarborough Town Centre Driveway:

- This four approach intersection is located in the Scarborough City Centre and is presently controlled by an all-way stop control.
- Town Centre Court (east side) and Borough Drive are collector roadways. The west side of Town Centre Court is a local road. The north leg of the intersection is the Scarborough Town Centre Mall Driveway.
- The land use at this intersection is mixed. Surrounded by an office tower, condominium development, parking lot, a YMCA facility, and a nearby regional shopping centre.
- Borough Drive has a posted speed limit of 50 kilometres per hour (km/h) and a daily traffic volume of approximately 4,500 vehicles per day (vpd).
- Town Centre Court is a 50 km/h speed limit roadway (not posted) and has approximately 8,500 vpd. There is one through lane in each direction. The westbound leg has one exclusive right-turn and left-turn lane.
- Borough Drive and the Scarborough Town Centre Driveway each have a left turn lane, one through lane, and one through/right turn lane.
- Traffic control signals are located approximately 80 metres east at McCowan Road and Town Centre Court / Grangeway Avenue.
- There are sidewalks located on both sides of Town Centre Court, on the east side of Borough Drive, and on the west side of Scarborough Town Centre Driveway.
- The intersection is located south of Highway 401 west of McCowan Road and north of Ellesmere Road.

Traffic Control Signal Warrant Study

Transportation Services staff conducted a Traffic Control Signal Warrant Study at the intersection of Town Centre Court. Using traffic volumes recorded over the peak eight hours of a typical weekday, the following results were obtained:

Traffic Control Signal Warrant	Compliance Level
	Wednesday, March 11, 2009
Minimum Vehicular Volume	100%
Delay To Cross Traffic	82%
Collision Hazard	13%

For traffic control signals to be numerically justified, one of the “Minimum Vehicular Volume” or “Delay to Cross Traffic” warrants must be 100% satisfied or any two of the three warrants must be at least 80% satisfied.

Collision History

A review of the Toronto Police Service collision records for the five-year period ending December 31, 2007 revealed the following history:

Five-Year Collision Information	Number of Reported Collisions					
	2003	2004	2005	2006	2007	Total
Total Collisions	1	2	3	2	3	11
Collisions Potentially Preventable by the Installation of Traffic Control Signals	0	1	1	0	1	3
Collisions Involving Pedestrians	0	0	1	0	0	1

Accordingly, the resultant installation of a traffic control signal is expected to improve safety within the subject intersection.

CONTACT

Marko A. Oinonen, P.Eng.
 Manager, Traffic Operations, Scarborough District
 Tel: 416-396-7148
 Fax: 416-396-5641
 E-Mail: moinone@toronto.ca

SIGNATURE

Steven T. Kodama, P.Eng.
 Acting Director, Transportation Services, Scarborough District

STK:ca

ATTACHMENTS

1. Location Plan (Traffic Control Signals Study – Town Centre Court at Borough Drive/Scarborough Town Centre Driveway)