



**STAFF REPORT  
ACTION REQUIRED**

**Traffic Control Signal Study – Morningside Avenue and  
Tams Road**

<b>Date:</b>	August 6, 2008
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 43 – Scarborough East Ward 44 – Scarborough East
<b>Reference Number:</b>	P:\2007\Cluster B\TRA\Scarborough\sc08059 D08-2864827 (D07-0925) Morningside Tams TCS

**SUMMARY**

---

This staff report is about a matter for which the Community Council does not have delegated authority from City Council to make a final decision.

The purpose of this report on the feasibility of the installation of traffic control signals at Morningside Avenue and Tams Road.

Traffic studies reveal that Traffic Control Signals are not warranted at this location.

**RECOMMENDATIONS**

---

**Transportation Services, Scarborough District, recommends that Scarborough Community Council recommend that City Council:**

1. Not approve the installation of traffic control signals at the intersection of Morningside Avenue and Tams Road, and
2. Not pass or amend the appropriate by-law(s) accordingly, including eastbound and westbound Compulsory Turn regulations relating to the activation of traffic control signals.

## Financial Impact

There is no financial impact associated with this report; however, the financial cost of installing these new traffic control signals would be approximately \$200,000.00 should the installation be approved. The funding for these signals is not available in Transportation Services Division's Capital Works Budget under Project No. CTP708-01 at this time.

## ISSUE BACKGROUND

Further to a request from Councillor Paul Ainslie, Transportation Services staff reviewed the feasibility of installing traffic control signals at Morningside Avenue and Tams Road.

The provision of Traffic Control Signals at this location was not required as a mitigating improvement for the subdivision approval that created this intersection several years ago.

## COMMENTS

The following characteristics describe the intersection of Morningside Avenue and Tams Road:

- This T-type intersection is presently controlled by stop signs on Tams Road. There is access to the Morningside Yard on the east side of this intersection.
- Morningside Avenue is a four-lane major arterial roadway, widening to six lanes at Highway 401 to the north.
- Morningside Avenue has a posted speed limit of 60 kilometres per hour (km/h) and a daily traffic volume of approximately 39,600 vehicles per day (vpd).
- Tams Road is a two-lane local roadway with a posted speed limit of 50 km/h.
- Toronto Transit Commission bus stops for both the northbound and southbound directions along Morningside Avenue are located in close proximity to the intersection.
- Traffic control signals are located approximately 320 metres north at the Highway 401 south ramp, and 300 metres south at Military Trail.
- Sidewalks are located on the west side of Morningside Avenue and on both sides of Tams Road.

## Traffic Control Signal Warrant Study

Transportation Services staff conducted a Traffic Control Signal Warrant Study at the intersection of Morningside Avenue and Tams Road. 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, May 23, 2007
Minimum Vehicular Volume	10%
Delay To Cross Traffic	15%
Collision Hazard	0%

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.

As outlined in the above table, none of the categories are met. The installation of traffic control signals cannot be justified at the subject intersection based on the foregoing information.

**Collision History**

A review of the Toronto Police Service collision records for the five-year period ending December 31, 2007 is summarised below.

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

This collision record is not indicative of a safety problem at this site.

In summary, traffic control signals are not justified and should not be installed at the subject intersection.

It should be noted that notwithstanding the current non-compliance with numerical warrants, and if traffic control signals were approved, this would be a suitable location in terms of traffic control signal spacing and providing pedestrian access to the TTC stops. Consideration could be given at that time to enacting east/west through traffic prohibitions to prevent traffic infiltration from the Morningside Yard into the Tams Road community.

## **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**

---

Peter J. Noehammer, P.Eng.  
Director, Transportation Services, Scarborough District

MAO:ca

## **ATTACHMENTS**

1. Location Plan (Traffic Control Signal Study – Morningside Avenue at Tams Road)