



**STAFF REPORT
ACTION REQUIRED**

**Traffic Control Signal Study – Bamburgh Circle and
Wintermute Boulevard**

Date:	December 15, 2009
To:	Scarborough Community Council
From:	Acting Director, Transportation Services, Scarborough District
Wards:	Ward 39– Scarborough Agincourt
Reference Number:	P:\2010\Cluster B\TRA\Scarborough\sc1001 D09-3409936 Bamburgh Wintermute 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 secure authority for the installation of Traffic Control Signals at the intersection of Bamburgh Circle and Wintermute Boulevard.

Traffic studies reveal that Traffic Control Signals are 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 Bamburgh Circle and Wintermute Boulevard.
2. Pass or amend the appropriate by-law(s) accordingly.

Financial Impact

The financial cost of installing these new traffic control signals would be approximately \$155,000.00. The funding for these signals is available in Transportation Services Division's Capital Works Budget under Project No. CTP709-0101.

ISSUE BACKGROUND

Further to a request from Councillor Mike Del Grande, Transportation Services staff reviewed the feasibility of installing traffic control signals at Bamburgh Circle and Wintermute Boulevard.

COMMENTS

The following characteristics describe the intersection of Bamburgh Circle and Wintermute Boulevard:

- This T-type intersection is presently controlled by an All-Way Stop control, the fourth leg is formed by a private driveway into a plaza.
- Bamburgh Circle and Wintermute Boulevard is the intersection of two collector roadways.
- Bamburgh Circle has a posted speed limit of 50 kilometres per hour (km/h). Wintermute Boulevard has a posted speed limit of 40 kilometres per hour (km/h).
- Traffic control signals are located approximately 153 metres west at Warden Avenue, and an All-Way Stop control is located 423 metres southeast at Fundy Bay Boulevard.
- Sidewalks are located on both sides of Bamburgh Circle and Wintermute Boulevard.

Traffic Control Signal Warrant Study

Transportation Services staff conducted a Traffic Control Signal Warrant Study at the intersection of Bamburgh Circle and Wintermute Boulevard. Using traffic volumes recorded over the peak eight hours of a typical weekday and on a Saturday the following results were obtained:

Traffic Control Signal Warrant	Compliance Level	
	Tuesday, October 20, 2009	Saturday, October 24, 2009
Minimum Vehicular Volume	75%	100 %
Delay To Cross Traffic	41%	57 %
Collision Hazard	0%	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, the “minimum Vehicular Volume” category is satisfied 100 %. The installation of traffic control signals are 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, 2008 is summarised below.

Five-Year Collision Information	Number of Reported Collisions					
	2004	2005	2006	2007	2008	Total
Collisions Potentially Preventable by the Installation of Traffic Control Signals	1	0	0	0	0	1
Collisions Involving Pedestrians Crossing Bamburgh Circle and/or Wintermute Boulevard	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 justified and should be installed at the subject intersection.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (Proposed Traffic Control Signal – Bamburgh Circle at Wintermute Boulevard)