



**STAFF REPORT
ACTION REQUIRED**

All-Way Stop Signs - Barrington Avenue at Coleman Avenue

Date:	June 1, 2010
To:	Toronto and East York Community Council
From:	Director, Transportation Services Toronto and East York District
Wards:	Beaches-East York, Ward 31
Reference Number:	Ts10083te.top.doc

SUMMARY

This staff report is about a matter for which Community Council has delegated authority from City Council to make a final decision. Transportation Services staff have investigated implementing an All-Way Stop signs at the intersection of Barrington Avenue, Coleman Avenue and the east/west lane second from Danforth Avenue.

The installation of All-Way Stop signs at the intersection of Barrington Avenue, Coleman Avenue and the east/west lane second from Danforth Avenue is technically warranted and would improve the safety of pedestrians and motorists at the intersection.

RECOMMENDATIONS

Transportation Services recommends that Toronto and East York Community Council:

- (1) Approve the installation of All-Way Stop controls for the intersection of Barrington Avenue, Coleman Avenue and the east/west lane second from Danforth Avenue.

Financial Impact

The funds required for installation of All-Way Stop signs, estimated at \$700.00 is contained within the Transportation Services Division 2010 Operating Budget.

COMMENTS

Existing Conditions

Barrington Avenue is a local road operating one-way southbound with a pavement width of 7.4 metres north of Coleman Avenue and 8.5 metres south of Coleman Avenue. The speed limit on Barrington Avenue is 40 km/h.

Coleman Avenue is a local road operating two-way eastbound and westbound with a speed limit of 50 km/h. The “Stop” sign posted on Coleman Avenue at Barrington Avenue is clearly visible and establishes right-of way.

The public lane north of the Main Subway station operates one-way eastbound with a pavement width of 3.0 metres. Coleman Avenue, Barrington Avenue and the public lane north of the Main Subway station form a 4 way intersection. This lane is commonly used by pedestrians heading to and from Main Subway Station.

TTC bus service is not operating on Barrington Avenue and Coleman Avenue.

Our review of the Toronto Police Service’s collision records disclosed that there were no collisions reported at this intersection between January 1, 2007 and December 31, 2009.

A review for All-Way Stop signs at an intersection considers:

- collision history for the preceding three years;
- vehicle and pedestrian traffic volumes during peak hours;
- the split of traffic volume between one street and the other; and
- local conditions, such as sight lines at the intersection.

The technical results of our investigation are shown in the following table:

Intersection	Present Condition	Total Vehicle Volume all Approaches <i>(Required 250 Veh/Hr., Each of the 4 Hours)</i>	Vehicles and Pedestrians Crossing the Through Street <i>(Required 100 Units/Hr., Each of the same 4 Hours)</i>	Volume Split <i>(<70%/30%)</i>	Collision Hazard <i>(≥2/yr.)</i>	All-Way Stop Warrants Satisfied <i>(Yes/No)</i>
Barrington Avenue and Coleman Avenue	“Stop” signs on B Coleman Avenue	Actual - 100 Veh/Hr.	Actual - 187 Units/Hr.	21% /79%	0.0	Yes

Based on the above, the technical warrants for the installation of All-Way Stop signs at this intersection are satisfied.

CONTACT

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SIGNATURE

Peter Noehammer, P.Eng.
Director, Transportation Services

LIST OF ATTACHMENTS

(1) Drawing No. 421F- 9994, dated April 2010

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