



**STAFF REPORT
ACTION REQUIRED**

**Proposed Minor Street Stop Signs – Coronation Drive
and Kitchener Road Area**

Date:	October 20, 2008
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 43 – Scarborough East
Reference Number:	P:\2008\Cluster B\TRA\Scarborough\sc08089 D08-2826970 (D08-444) Coronation Kitchener stop signs

SUMMARY

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

This report responds to a request to install an All-Way Stop Control at the intersection of Coronation Drive and Kitchener Road. The report shows that this intersection failed to meet the required technical warrant for this type of control. However, Transportation Services staff recommend the installation of minor street stop signs at five uncontrolled three-way intersections in the immediate area (Betty Frank Gate at Limevale Crescent, French Avenue at Kitchener Road, French Avenue at Rowallan Drive, Gloaming Drive at Danzig Street and Marlena Drive at Danzig Street).

It is recommended that minor street stop signs be installed at the subject five uncontrolled three-way intersections to clearly define the right-of-way and to regulate traffic flow.

RECOMMENDATIONS

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

1. Not install an All-Way Stop Control at the intersection of Coronation Drive and Kitchener Road.
2. Adopt the “Compulsory Stops” regulations for the subject five uncontrolled three-way intersections, as identified in Appendix 1 of this report.
3. Amend the appropriate by-law accordingly.

Financial Impact

The financial cost of installing the subject five recommended stop controls is approximately \$1,250.00. The funding for these stop controls is available in the Transportation Services 2008 Operating Budget, within Cost Centre TP0397.

ISSUE BACKGROUND

Further to a request from Councillor Ainslie, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Coronation Drive and Kitchener Road. The justification for the installation of an All-Way Stop Control is based on a technical warrant adopted by Council for use in the City of Toronto. No changes to the operation of Coronation Drive and Kitchener Road are recommended at this time; however, a review of area signage identified five uncontrolled three-way intersections in the immediate area.

COMMENTS

The following characteristics describe the intersection of Coronation Drive and Kitchener Road, as well as the subject five uncontrolled three-way intersections:

- The intersection of Coronation Drive and Kitchener Road is controlled by northbound and southbound stop signs for traffic on Kitchener Road. Sidewalks are located on both sides of Coronation Drive and on the west side of the north portion of Kitchener Road.
- The subject five uncontrolled three-way intersections are located in the community east of Galloway Road, west of Morningside Avenue, south of Kingston Road and north of the CN railway, within the West Hill neighbourhood. All the subject five intersections have sidewalks.
- The land use of this neighbourhood is primarily single family residential.

All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of Coronation Drive and Kitchener Road during the morning and afternoon peak hours of a typical weekday (Tuesday, April 22, 2008) produced the following results:

All-Way Stop Control Warrant	A Total Approach Vehicle Volume	B Vehicle/Pedestrian Volume Crossing Major Road	C Unit Volume Split* Major/Minor Roads
Four-Hour Study Period Average	311	30	91/9
Warrant Requirements For Study Period Average For Collector Roads	≥ 375	≥ 150	≥ 30/70 or ≤ 70/30

* “Unit Volume Split”: Major Road Volume – Vehicles only.
Minor Road Volume – Vehicles plus pedestrians crossing the major road.

For an All-Way Stop Control to be numerically justified, the traffic volume requirements for the “Study Period Average” must be completely satisfied in Categories A and C, or Categories B and C.

As outlined in the warrant table, the traffic volumes do not meet the requirements to install an All-Way Stop Control at the subject intersection at this time.

No collisions were reported at the subject intersection for the three-year period ending December 31, 2007.

Minor street stop signs are recommended at the subject five uncontrolled three-way intersection locations (see appendix 1), to provide stop sign uniformity, clearly define the right-of way, regulate traffic flow and to encourage motorists to stop before the sidewalk to enhance driver and pedestrian safety.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Appendix 1 – By-law Amendment (enact)
2. Location Plan (Proposed Stop Signs – Coronation Drive and Kitchener Road Area)

Appendix 1

“Compulsory Stops”
Regulation to be Enacted

Column 1
Intersection

Column 2
Stop Street

Betty Frank Gate and
Limevale Crescent

Betty Frank Gate

French Avenue and
Kitchener Road

French Avenue

French Avenue and
Rowallan Drive

French Avenue

Gloaming Drive and
Danzig Street

Gloaming Drive

Marlena Drive and
Danzig Street

Marlena Drive