



STAFF REPORT ACTION REQUIRED

King Edward Avenue and Burrell Avenue – speed limit and “Stop” signs

Date:	August 15, 2007
To:	Toronto and East York Community Council
From:	Director, Transportation Services Toronto and East York District
Wards:	Beaches-East York, Ward 31
Reference Number:	Ts07187te.top.doc

SUMMARY

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

Transportation Services is seeking approval to lower the maximum speed limit from 50 km/h to 40 km/h on King Edward Avenue. Reducing the speed limit could promote lower operating speeds and enhance safety for pedestrians and cyclists.

Transportation Services also evaluated the need for all-way “Stop” sign control at the intersection of King Edward Avenue and Burrell Avenue. Installation of all-way “Stop” sign control is not recommended at this intersection.

RECOMMENDATIONS

Transportation Services recommends that Toronto and East York Community Council:

1. reduce the speed limit from 50 km/h to 40 km/h on King Edward Avenue, from Gledhill Avenue to Holborne Avenue; and
2. not authorize installation of “Stop” signs for northbound and southbound traffic on King Edward Avenue at Burrell Avenue.

Financial Impact

Work	Type of funding	Source of funds	Amount
Installation of 40km/h speed limit	Available within current budget	Toronto Transportation Services 2007 operating budget	\$900
* Installation of “Stop” signs	Available within current budget	Toronto Transportation Services 2007 operating budget	\$500

* Additional cost only if Community Council recommends installation of “Stop” signs

ISSUE BACKGROUND

At Councillor Janet Davis’ request, Transportation Services investigated reducing the speed limit from 50 km/h to 40 km/h on King Edward Avenue and installing “Stop” signs on King Edward Avenue at Burrell Avenue. The intention of these measures is to encourage motorists to drive slower and enhance safety for all road users.

COMMENTS

Site Description

King Edward Avenue is a two-way local street with a pavement width of 7.3 metres. The speed limit is 50 km/h. King Edward Avenue and Burrell Avenue form a T-type intersection. A “Stop” sign is posted for westbound traffic on Burrell Avenue at King Edward Avenue to clearly establish right-of-way.

Alternate side parking regulations on a monthly basis are in effect on King Edward Avenue.

Reducing the speed limit

Transportation Services surveyed King Edward Avenue and recorded about 1000 vehicles per day with an operating speed of 48 km/h. King Edward Avenue satisfies the criteria for lowering the speed limit to 40 kilometres per hour as the road is less than 10.5 metres in width; sidewalks are located immediately beside the road and not separated from the flow of traffic by long-term parking (more than three-hour duration); and an elementary school abuts the east/west branch of the road.

Lowering the maximum speed limit to 40 km/h on the entire length of King Edward Avenue (Gledhill Avenue to Holborne Avenue) would enhance safety for all road users.

Installing “Stop” signs

The review for all-way “Stop” sign control at the intersection of King Edward Avenue and Burrell Avenue considered:

- 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 the investigation are shown as follows:

Present Condition	Total Vehicle Volume all Approaches (Required 250 Vehicles/Hr., Each of 4 Peak Hours)	Vehicles and Pedestrians Crossing the Through Street (Required 100 Units/Hr., Each of 4 Peak Hours)	Volume Split (<70%/30%)	Collision Hazard (≥2/yr.)	All-way "Stop" Warrants Satisfied (Yes/No)
"Stop" sign on Burrell Avenue	53 Vehicles/Hr.	26 Units/Hr.	63%- 37%	0	No

The technical warrants for installation of all-way "Stop" sign control at the King Edward Avenue/Burrell Avenue intersection are not satisfied. The intersection is operating safely under partial "Stop" sign control.

Alternate Recommendation:

If Community Council determines that installation of all-way "Stop" signs at the intersection of King Edward Avenue and Burrell Avenue would be beneficial, it will need to replace Recommendation 2 of this report with the following:

1. install "Stop" signs for northbound and southbound traffic on King Edward Avenue at Burrell Avenue.

CONTACT

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SIGNATURE

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ATTACHMENT

Drawing No. 421F-9052, dated August 2007

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