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FEB 18 2004

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February 12, 2004

Councillor Michael Walker
City of Toronto, Ward 22 – St. Paul's
100 Queen St. W., Suite B26
Toronto, Ontario
M5H 2N2

and;

Councillor Joe Mihevc
City of Toronto, Ward 21 – St. Paul's
100 Queen St. W., Suite B35
Toronto, Ontario
M5H 2N2

Dear Councillors Walker and Mihevc:

Re: Spadina Road and Kilbarry Road/Burton Road – Request to install traffic control signals

In response to a January 7, 2004 e-mail request from _____, we have reviewed the feasibility of installing traffic control signals at the above-noted intersection. The following discussion summarizes the details of our study.

Spadina Road, in the vicinity of Kilbarry Road/Burton Road, is a two-lane, minor arterial roadway with a daily two-way traffic volume of approximately 17,000 vehicles. Kilbarry Road intersects the east side of Spadina Road and is "Stop" controlled. Kilbarry Road intersects the west side of Spadina Road, slightly offset to the north of Kilbarry Road, and is also "Stop" controlled. Kilbarry Road and Burton Road are both two-way, local roadways, with daily two-way traffic volumes of 1,700 vehicles. A pedestrian crossover (PXO) is located on the south intersection leg.

In 2000 we conducted comprehensive traffic studies at the intersection of Spadina Road and Kilbarry Road/Burton Road. Based on the eight-hour vehicular and pedestrian traffic counts conducted at this intersection, and the collision history, the technical warrants for the installation of traffic control signals were met. In this regard, please find attached a copy of our letter of September 6, 2000, addressed to former Councillors John Adams and Ila Bossons, outlining the results of our review. As no response was received from either Councillor on this proposal, no further action was taken.

Therefore, in January of 2004 we conducted updated traffic counts at the intersection of Spadina Road and Kilbarry Road/Burton Road. Based on the eight-hour vehicular and pedestrian traffic counts conducted at this intersection, and the collision history, the technical warrants for the installation of traffic control signals are satisfied to the following extent:

Warrant 1:	Minimum Vehicular Volume	95 percent;
Warrant 2:	Delay to Cross Traffic	95 percent; and
Warrant 3:	Collision Hazard	27 percent.

To meet the technical requirements for the installation of traffic control signals, one of the "Minimum Vehicular Volume" or "Delay to Cross Traffic" warrants must be 100 percent satisfied, or any two of the three warrants must be at least 80 percent satisfied. Based on the above results, the installation of traffic controls signals is still warranted at this intersection.

Collision statistics provided by the Toronto Police Service for the three-year period ending September 30, 2003 disclosed that 11 collisions had occurred at this intersection. Of these 11 collisions, four were potentially preventable by the installation of traffic control signals and one involved a pedestrian. In the pedestrian collision, a northbound pedestrian on the east intersection leg was struck by a westbound motorist. The pedestrian sustained minor injuries and the motorist was not charged.

The installation of traffic control signals on Spadina Road at Kilbarry Road/Burton Road would have several negative impacts. The delay to pedestrians crossing Spadina Road would increase. In addition, as with any installation of traffic control signals, parking must be prohibited at all times within 30.5 metres of an intersection. This would result in a loss of four non-metered parking spaces on Burton Road and seven non-metered parking spaces on Kilbarry Road.

Councillors Walker and Mihevc

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Furthermore, residents on Kilbarry Road and on Burton Road might be concerned that the installation of traffic control signals might increase traffic on their roadways.

Before a final recommendation is made, we would suggest that residents in this entire area be consulted regarding the above-noted information. If you have any questions regarding this investigation, please contact Dan Clement, Acting Traffic Co-ordinator, at (416) 338-5454.

Yours truly,



Danny Budimirovic, P.Eng.
Acting Manager, Traffic Operations
South District

DC/dc
04-0085
File 201

Attach.

cc: