



STAFF REPORT ACTION REQUIRED

Traffic Control Signals – Wellesley Street East and Homewood Avenue

Date:	May 17, 2012
To:	Toronto and East York Community Council
From:	Acting Director, Transportation Services Toronto and East York District
Wards:	Toronto Centre–Rosedale, Ward 27
Reference Number:	Ts2012074te.top.doc

SUMMARY

Transportation Services is requesting approval from City Council to install traffic control signals on Wellesley Street East at Homewood Avenue.

The proposed traffic control signals will provide a safe and convenient crossing for pedestrians, cyclists and side-street vehicles. Service to vehicular traffic and transit on Wellesley Street East should not be impacted significantly.

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council approve the installation of traffic control signals at the intersection of Wellesley Street East and Homewood Avenue.

Financial Impact

The estimated cost of installing traffic control signals on Wellesley Street East at Homewood Avenue is approximately \$160,000.00. Funds in the amount of \$3,155,000.00 are included in the 2012 Transportation Services Capital Budget for installation of traffic control signals. This work would be subject to competing priorities and available funding.

ISSUE BACKGROUND

At the request of Councillor Kristyn Wong-Tam, on behalf of area residents, Transportation Services staff investigated the need to install a pedestrian crossover or traffic control signals on Wellesley Street East at Homewood Avenue.

COMMENTS

Intersection Characteristics

Wellesley Street East is classified as a minor arterial roadway operating two-way east-west with a speed limit of 50 km/h. The TTC operates the 94 Wellesley bus route on this part of Wellesley Street East. Bicycle lanes are provided in both directions.

Homewood Avenue, in the vicinity of Wellesley Street East, is classified as a collector roadway operating two-way north-south with a pavement width of 8 metres and a speed limit of 40 km/h.

Adjacent traffic control signals on Wellesley Street East are located approximately 180 metres to the west at Jarvis Street and approximately 100 metres to the east at Sherbourne Street. There are two bends in the roadway on Wellesley Street East approaching Homewood Avenue in both directions generally as seen on attached Drawing No. 421G-0622, dated March, 2012.

Study Results

Collision statistics provided by the Toronto Police Service for the three-year period ending December 31, 2011 disclosed that 6 collisions occurred on Wellesley Street East at Homewood Avenue. Three of these may have been preventable with the installation of traffic control signals. All three involved cyclists who suffered minor injuries.

A pedestrian traffic study, conducted during the busiest eight-hour period of a typical weekday, revealed that 362 pedestrians crossed Wellesley Street East in the vicinity of Homewood Avenue. Of the 362 pedestrians, 153 were delayed more than 10 seconds in crossing Wellesley Street East. Based on these results the technical warrants for the installation of a device to assist pedestrian crossings are satisfied to the following extent:

Warrant 1:	Pedestrian Volume	100 percent
Warrant 2:	Pedestrian Delay	100 percent

To meet the technical requirements for the installation of a pedestrian crossing device, both of the warrants must be 100 percent satisfied. Based on our study, the warrants are justified at this intersection.

A pedestrian crossover would not be suitable for this intersection given the close spacing to adjacent signals on Wellesley Street East and the bends in the roadway which affect sightlines for approaching traffic. As a result, we are recommending the installation of traffic control signals at Wellesley Street East and Homewood Avenue.

The installation of traffic control signals will enhance intersection safety and minimize conflicts between pedestrians, cyclists and motor vehicles. There will be no loss of on-street parking spaces as a result of this installation.

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SIGNATURE

Jacqueline White, P.Eng.
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LIST OF ATTACHMENTS

(1) Drawing No. 421G-0622, dated March 2012

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