Traffic Control Signal Installation, Road Alteration By-Law and Traffic Control Restrictions: Sheppard Avenue West and Bryant Street / Yeomans Road

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<th>February 14, 2011</th>
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<td>To:</td>
<td>North York Community Council</td>
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<td>From:</td>
<td>Director, Transportation Services Division, North York District</td>
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<td>Wards:</td>
<td>Ward 10 York Centre</td>
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SUMMARY

As the Toronto Transit Commission (TTC) operates a transit service on Keele Street, City Council approval of this report is required.

To obtain approval for the:

- Installation of traffic control signals at the intersection of Sheppard Avenue West and Bryant Street / Yeomans Road;
- A Road Alteration By-law for the realignment of Yeomans Road, south of Sheppard Avenue West and and Bryant Street, north of Sheppard Avenue West;
- A Road Alteration By-law for the removal of the existing Pedestrian Refuge Island located approximately 60 metres east of the intersection; and
- Implementation of dedicated traffic lanes and entry restrictions for both southbound and northbound traffic.

As part the development agreement, Application 07 129252 NNY 10 OZ, the applicant Elm Sheppard Inc. is required to install traffic control signals and complete any relevant road improvement work at the intersection of Sheppard Avenue West and Bryant Street/Yeomans Road.
RECOMMENDATIONS

Transportation Services Division, North York District recommends that City Council:

1. Approve the installation of traffic control signals on Sheppard Avenue West at Bryant Street/Yeomans Road;

2. Direct the City’s Legal Division to introduce the appropriate “Road Alterations By-Law” to permit the reconfiguration of Yeomans Road as illustrated in Attachment 2;

3. Prohibit southbound through movements from Bryant Street at the intersection of Sheppard Avenue West and Bryant Street/Yeomans Road at anytime;

4. Prohibit northbound through movements from Yeomans Road at the intersection of Sheppard Avenue West and Bryant Street/Yeomans Road at anytime;

5. Designate the westerly southbound lane on Bryant Street for right turning vehicles only, from Sheppard Avenue West to a point 30.5 metres north; and

6. Designate the easterly northbound lane on Yeomans Road for right turning vehicles only, from Sheppard Avenue West to a point 30.5 metres south.

Financial Impact

All costs associated with the installation of the Traffic Control Signal, Road Alteration, Through Restriction and Lane Designation are to be borne by the applicant, Elm Sheppard Inc.

ISSUE BACKGROUND

The City of Toronto Council approved Application 07 129252 NNY 10 OZ for the redevelopment of the residential properties from 695 to 717 Sheppard Avenue West. The approved redevelopment of 695 to 717 Sheppard Avenue West will result in the construction of an eight storey mixed use building consisting of 202 residential units on the upper levels and retail, commercial, office space, and art gallery on the ground floor.

COMMENTS

Sheppard Avenue West is a five lane major arterial roadway with a centre left turn lane and a posted speed limit of 60 km/h. The average daily two way traffic flow on this section of roadway is approximately 26,000 vehicles. The intersection of Sheppard Avenue West and Bryant Street/Yeomans Road forms a “far-right off-set” intersection by approximately 20 meters and controlled by stop controls.
The nearest traffic control signal to this intersection are located 400 metres east at Bathurst Street and 400 metres west at Goddard Street. It should also be noted that approximately 60 metres east of the intersection is a pedestrian refuge island (PRI) to assist pedestrian crossings.

The report submitted by IBI Group on behalf of the applicant indicated that the proposed development is estimated to generate 89 and 106 residential trips, and 19 commercial trips during the weekday a.m. and p.m. peak hours, respectively. A single driveway connection to Yeomans Road will be constructed and it is expected that the majority of the trips from the development site will travel through the intersection of Sheppard Avenue West and Bryant Street/Yeomans Road.

Although the consultants report did not indicate that a traffic control signal would be warranted, Transportation Services Division has undertaken its own review and the results indicated that a traffic control signal is in fact warranted.

Our review had indicated that the Applicants Consultant had failed to include the existing pedestrian crossing at the existing PRI. As such our assessment based on the existing and future pedestrian and vehicle volumes does support the installation of the traffic control signal at this intersection, proposed intersection modifications and removal of the existing pedestrian refuge island.

In addition to the above and given the residents concerns with regards to an increase potential traffic infiltration, staff has agreed to implement northbound and southbound through restrictions at this intersection.

The required intersection/road improvements and the installation of a traffic control signal at this location will manage traffic generated from the development and pedestrian and vehicular traffic in general.

The Ward Councillor has been advised of the recommendations in this staff report.

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SIGNATURE

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Myles Currie, B.A.
Director
ATTACHMENTS

Attachment 1: Sheppard Av W at Bryant St /Yeomans Rd, Traffic Control Signals, Road Alteration, Through Restrictions / Right Turn Lane Designations

Attachment 2: Sheppard Av W at Bryant St / Yeomans Rd Traffic Control Signals Plan