

COMMITTEE OF THE WHOLE – OCTOBER 11, 2005

WOODBIDGE AVENUE AND CLARENCE STREET PROPOSED RIGHT TURN LANE DESIGNATION

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That an exclusive right turn lane be designated for the westbound direction at the intersection of Woodbridge Avenue and Clarence Street;
2. That By-Law 1-96, the Consolidated Parking By-Law, be amended to add a 'No Parking' prohibition Anytime, on the north side of Woodbridge Avenue from 75 metres west of Islington Avenue to 155 metres west of Islington Avenue to accommodate the proposed right turn lane designation; and
3. That the existing parking prohibition on the north side of Woodbridge Avenue be rescinded.

Economic Impact

The cost to install the 'Right Turn Only' signs and the associated pavement markings is an initial impact to the Operating Budget, and the cost to maintain the signs and pavement markings would be an annual future budget impact.

Purpose

To review the feasibility of implementing an exclusive right turn lane for the westbound direction at the intersection of Woodbridge Avenue and Clarence Street, in response to direction from Council.

Background - Analysis and Options

At its meeting on May 24, 2005 Council directed:

“...that appropriate staff be directed to conduct a study to determine whether traffic circulation in the Woodbridge Core might be enhanced by the designation of the curbside westbound lane of Woodbridge Avenue at the intersection with Clarence Street as a right-turn-only lane.”

The intersection of Woodbridge Avenue and Clarence Street has an existing traffic control signal. The posted speed limit on both Woodbridge Avenue and on Clarence Street is 40 km/h. The area is shown on Attachment No. 1.

A turning movement count was conducted on Thursday, September 8, 2005 at the subject intersection during peak travel periods. The traffic counts were conducted from 7:00 a.m. to 9:00 a.m., from 11:00 a.m. to 2:00 p.m. and from 4:00 p.m. to 6:00 p.m.

The total traffic volumes for westbound traffic turning right onto Clarence Street during study times was 1413 vehicles and is sufficient to designate the existing westbound curb lane on Woodbridge Avenue as an exclusive right turn lane.

In addition, the parking prohibitions on the north side of Woodbridge Avenue between Clarence Street and Islington Avenue were reviewed. Staff recommends revising the parking prohibitions to state 'No Parking Anytime' along the entire north side of Woodbridge Avenue from Clarence Street to Islington Avenue in order to accommodate the proposed right turn lane designation. The existing prohibitions on the north side of Woodbridge Avenue in the study area indicate the following:

- No Parking Anytime, from Islington Avenue to a point 75 metres west of Islington Avenue,
- No Parking 4:00 p.m. to 6:00 p.m. only, from a point 75 metres west of Islington Avenue to a point 155 metres west of Islington Avenue,
- No Parking Anytime, from a point 45 metres east of Clarence Street to a point 30 metres west of Clarence Street.

The designation of a right turn lane will require the removal of 11 on-street parking spaces on the north side of Woodbridge Avenue. Staff will arrange for the appropriate signage changes and pavement markings to indicate the lane designation leading to the intersection.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to identify and implement innovative traffic management alternatives to improve general traffic safety (1.1.3).

This report is consistent with the priorities previously set by Council.

Conclusion

Based on staff's review, it is recommended, that an exclusive right turn lane be designated for the westbound direction at the intersection of Woodbridge Avenue and Clarence Street.

Attachments

1. Location Map

Report prepared by

Mark Ranstoller, Senior Traffic Technologist, ext. 8251
Mike Dokman, Supervisor, Traffic Engineering, ext. 8031

Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

Gary Carroll, P. Eng.
Director of Engineering Services

:MR

ATTACHMENT No. 1

