

Road Alterations: Grandravine Drive at Keele Street

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| Date: | May 14, 2012 |
| To: | North York Community Council |
| From: | Acting Director, Transportation Services, North York District |
| Wards: | Ward 8 & 9 – York West |
| Reference Number: | <i>ny12053</i> |

SUMMARY

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

To obtain approval by City Council to widen Grandravine Drive and Keele Street to facilitate the implementation of a left turn lane for eastbound vehicles on Grandravine Drive.

The proposed widening of Grandravine Drive will allow for the installation of an eastbound left turn lane at Grandravine Drive, which will improve the traffic movement at this location.

RECOMMENDATIONS

Transportation Services, North York District recommends that City Council:

1. Approve this Division's request to direct the City's Legal Division to introduce the appropriate "Road Alteration By-Law" to permit the widening of Grandravine Drive at Keele Street.

Financial Impact

All costs associated with the reconfiguration of the intersection of Sheppard Avenue West and Wilson Heights Boulevard, estimated at \$63,000, have been included as part of Transportation Services 2012 Capital Works Program, Transportation Safety and Local Improvements Program.

ISSUE BACKGROUND

Transportation Services, North York District, has reviewed the concerns on behalf of the residents regarding the feasibility of installing an eastbound left turn lane at Grandravine Drive and Keele Street.

COMMENTS

Keele Street is a four-lane major arterial roadway with a posted speed limit of 60 km/h, a pavement width of approximately 14.7 metres and sidewalks on both sides. Grandravine Drive is a two-lane collector roadway with a posted speed limit of 40 km/h, a pavement width of approximately 8.5 metres and sidewalks on both sides. Keele Street and Grandravine Drive form a “T” intersection. Traffic on all approaches is controlled by a traffic control signal. The surrounding land uses consist primarily of medium and high density residential properties to the west of the intersection and commercial retail to the east.

A review of the most recent traffic counts illustrates the following eastbound turning movements during peak hours:

| Movement | Study Period | Direction | Total Traffic |
|-----------------------------|-----------------------|----------------------|----------------------|
| Grandravine Dr. at Keele St | 7:30 am - 8:30 a.m. | Eastbound Left Turns | 143 |
| | 4:15 p.m. - 5:15 p.m. | | 104 |
| | Off Hr Avg. | | 81 |

The current pavement width and roadway alignment does not support the implementation of two eastbound lanes and one inbound lane. As such, in order to facilitate the implementation of a left turn lane, it is this Division’s opinion that the current roadway would need to be reconfigured. Therefore, to improve the current roadway configuration, this Division recommends a widening of Grandravine Drive on the north side at Keele Street and reconstruction of the curb radius on the north-west corner of the intersection as outlined in the attached drawing NY-1776D. Consideration was given to a widening on the south side however this would have required the relocation of the current TTC bus shelter, Enbridge Gas Vault and reconstruction of the sidewalk.

The proposed changes will allow for the installation of an eastbound left turn lane at Grandravine Drive, which will improve the traffic movement at this location.

The Ward Councillors have been advised of the recommendation contained within this staff report.

CONTACT

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SIGNATURE

Pascoal D'Souza
Acting Director

ATTACHMENTS

Attachment 1: Map – Grandravine Drive at Keele Street: Road Alterations
Attachment 2: Map –Grandravine Drive at Keele Street: NY-1776D