



**STAFF REPORT
ACTION REQUIRED**

**Proposed Installation of Traffic Control Signals on
Midland Avenue, 175m North of McNicoll Avenue**

2007 APR 17 A 10:25
SECRETARIAT SECTION
CITY CLERK'S OFFICE

Date:	April 12, 2007
To:	Chairman and Members of the Scarborough Community Council
From:	Peter J. Noehammer, Director, Transportation Services, Scarborough District
Wards:	Ward 41 – Scarborough Centre
Reference Number:	P:\2007\Cluster B\TRA\Scarborough\sc07032

SUMMARY

This staff report is about a matter for which the Community Council has delegated authority from City Council to make a final decision.

Kreader Enterprises Limited is constructing significant new retail/commercial development at the McNicoll Avenue and Midland Avenue intersection. Traffic volumes will meet the required criteria to install traffic control signals on Midland Avenue, 175 metres north of McNicoll Avenue.

This report recommends that the City install this traffic signal.

RECOMMENDATIONS

Transportation Services, Scarborough District, recommends that Scarborough Community Council :

1. approve traffic control signals on Midland Avenue, 175 metres north of McNicoll Avenue; and
2. instruct the appropriate City Officials to take the necessary actions to give effect thereto.

FINANCIAL IMPACT

These traffic signals will be entirely funded by Kreader Enterprises Limited as a condition of development approval for their property in the north west quadrant of Midland Avenue and McNicoll Avenue. This results in no financial impact on the Transportation Services Budget. The new Traffic Control Signals are estimated to cost \$185,167.00.

COMMENTS

Midland Avenue is a four-lane minor arterial road. McNicoll Avenue is a four-lane collector road.

The Midland Avenue and McNicoll Avenue intersection is currently signalized.

The proposed traffic control signals can be supported technically.

The technical warrants in the Ontario Traffic Manual, Book Twelve - Traffic Signals, were used to determine the need for signals. For new intersections, weekday peak hour traffic levels represent design conditions. When new development traffic is added to existing conditions, this location meets the technical warrant to install traffic control signals.

The signal warrant calculations produce the following results:

Midland Avenue, 175 metres north of McNicoll Avenue

Traffic Control Signal Warrant	Compliance Level
Justification 1: Minimum Vehicular Volume	80%
Justification 2: Delay to Cross Traffic	86%
Justification 3: Collision Hazard	N/A
Justification 4: Combination Warrant	YES

Traffic control signals on Midland Avenue, 175 metres north of McNicoll Avenue are warranted given design-hour week day traffic conditions expected at this location. They should be installed to provide safe and efficient operations for motorists and pedestrians.

The Ward Councillor is aware of the proposed traffic control signal installation.

CONTACT

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SIGNATURE



Peter J. Noehammer, P.Eng.
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DT/SJ:lab

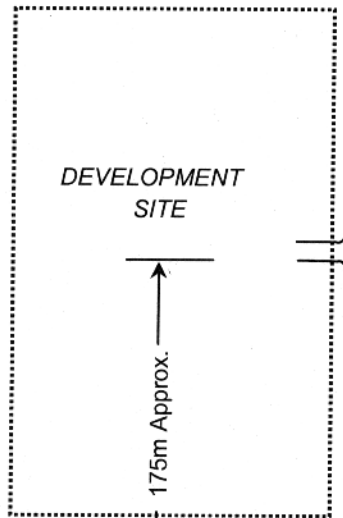
ATTACHMENTS

1. Location Map – Proposed Traffic Control Signal
175m± North of McNicoll Avenue on Midland Avenue



MIDLAND AVENUE

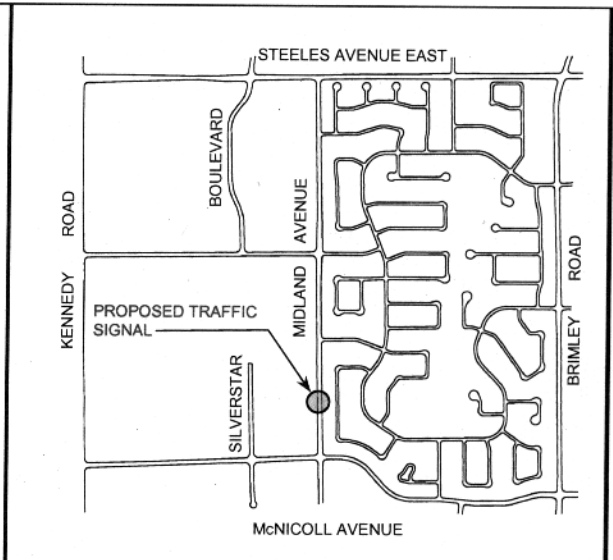
ARTILLERY STREET



BELLROCK DRIVE

McNICOLL AVENUE

 EXISTING TRAFFIC SIGNALS
 PROPOSED TRAFFIC SIGNALS



KEY MAP



TRANSPORTATION SERVICES

Scarborough District

SCALE	NTS	PROPOSED TRAFFIC CONTROL SIGNAL 175m [±] NORTH OF McNICOLL AVENUE ON MIDLAND AVENUE	FILE NUMBER:	
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