



STAFF REPORT ACTION REQUIRED

Proposed Traffic Control Signals – Steeles Avenue East at Maryvale Avenue

Date:	March 3, 2008
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 41 – Scarborough Rouge River
Reference Number:	P:\2008\Cluster B\TRA\Scarborough\sc08018

SUMMARY

This staff report is about a matter for which the Community Council does not have delegated authority from City Council to make a final decision.

The purpose of this report is to obtain approval for the installation of traffic control signals on Steeles Avenue East at Maryvale Avenue.

Traffic studies have indicated that traffic control signals are warranted. As a result, traffic control signals should be installed.

RECOMMENDATIONS

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

1. Approve the installation of traffic control signals on Steeles Avenue East at Maryvale Avenue; and
2. Pass or amend the appropriate by-law(s) accordingly.

Financial Impact

These traffic signals will be funded by Baif Development Limited (Markham Steeles Realty Inc.). This results in no financial impact on the Transportation Services Budget. The proposed Traffic Control Signals are estimated to cost \$200,000.00.

ISSUE BACKGROUND

Transportation Services has reviewed various planning applications for the development of lands on the southwest quadrant of the intersection of Markham Road and Steeles Avenue East. The development on the southwest corner comprises a total commercial floor area of approximately 38,450 m² (413,800 sq. ft.) and includes two major tenants – a Lowes home improvement store and a Wal-Mart store. In order to provide safe and efficient access to/from Steeles Avenue and the newly constructed development and Maryvale Avenue, traffic control signals are required.

COMMENTS

Steeles Avenue is a key east-west arterial road that extends along the north site boundary. It has a four-lane cross section, and a posted speed limit of 60 km/h and a two-way 24-hour traffic volume of approximately 22,500 vehicles.

Existing traffic control signals adjacent to the proposed signalized intersection are on Steeles Avenue East at Markham Road to the east, and Steeles Avenue at Middlefield Road to the west.

Based on the findings of a detailed traffic impact study, traffic control signals at the intersection of Steeles Avenue East at Maryvale Avenue can be supported technically.

With the introduction of the new development traffic, this intersection meets the technical warrants required to justify the installation of traffic control signals at this time.

The signal warrant calculations produced the following results:

Steeles Avenue East at Maryvale Avenue

Traffic Control Signal Warrant	Compliance Level
Justification 1: Minimum Vehicular Volume	100%
Justification 2: Delay to Cross Traffic	100%
Justification 3: Collision Hazard	N/A
Justification 4: Combination Warrant	YES

As indicated by the foregoing summary, traffic control signals at the intersection of Steeles Avenue East at Maryvale Avenue are warranted.

The Ward Councillor has been consulted on this proposed traffic control signal installation.

CONTACT

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SIGNATURE

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DT/PMC:lab

ATTACHMENTS

1. Location Map (Proposed Traffic Control Signals – Steeles Avenue East at Maryvale Avenue)