



## **STAFF REPORT ACTION REQUIRED**

### **Proposed Traffic Control Signals – Markham Road at a Point Approximately 175 metres south of Steeles Avenue East**

<b>Date:</b>	March 3, 2008
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 41 – Scarborough Rouge River
<b>Reference Number:</b>	P:\2008\Cluster B\TRA\Scarborough\sc08020

#### **SUMMARY**

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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 Markham Road at a point approximately 175 metres south of Steeles Avenue East.

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

#### **RECOMMENDATIONS**

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

1. Approve the installation of traffic control signals on Markham Road at a point approximately 175 metres south of Steeles Avenue East; and
2. Pass or amend the appropriate by-law(s) accordingly.

## Financial Impact

These traffic signals will be funded by both Baif Development Limited (Markham Steeles Realty Inc.) and Fieldgate Developments. 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 both the southwest and southeast quadrants 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 m<sup>2</sup> (413,800 sq. ft.) and includes two major tenants – a Lowes home improvement store and a Wal-Mart store. The development on the south east corner comprises a total commercial floor area of approximately 7,080 m<sup>2</sup> (76,208 sq. ft.). In order to provide safe access to/from Markham Road to the newly constructed developments traffic control signals are required.

## COMMENTS

Markham Road is a key north-south arterial road that extends along the two subject development site boundaries. It has a six-lane cross section and a posted speed limit of 60 km/h with a two-way 24-hour traffic volume of approximately 55,000 vehicles.

Existing traffic control signals adjacent to the proposed signalized driveways are on Markham Road at Steeles Avenue East to the north, and Markham Road at Passmore Avenue to the south.

Based on the findings of a detailed traffic impact study, traffic control signals at the private driveways on Markham Road at a point approximately 175 metres south of Steeles Avenue East can be supported technically.

With the introduction of the new development traffic, these driveways meet the technical warrants required to justify the installation of traffic control signals.

The signal warrant calculations produced the following results:

### Markham Road at a point approximately 175 metres south of Steeles Avenue East.

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 driveways located on Markham Road approximately 175 metres south of Steeles Avenue East 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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## **ATTACHMENTS**

1. Location Map (Proposed Traffic Control Signals – Markham Road, approximately 175 metres south of Steeles Avenue East.)