



**STAFF REPORT  
ACTION REQUIRED**

**Highway Alteration By-law – Steeles Avenue East  
between Markham Road and Tapscott Road, and  
Markham Road at Steeles Avenue East**

<b>Date:</b>	April 7, 2010
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Acting Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 42 – Scarborough Rouge-River
<b>Reference Number:</b>	P:\2010\Cluster B\TRA\Scarborough\sc1043

**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 recommend the enactment of a highway alteration by-law and right-turn lane designation for the recommended improvements to the intersection of Markham Road at Steeles Avenue East and Steeles Avenue East between Markham Road and Tapscott Road as noted in appendixes of this report. The proposed modifications will be undertaken and secured by nearby developers.

**RECOMMENDATIONS**

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

1. Authorize the recommended road alterations at the intersection of Markham Road and Steeles Avenue East and on Steeles Avenue East between Markham Road and Tapscott Road as identified in Appendix 1 of this report.
2. Rescind the “One Way Traffic Lanes” regulation, as identified in the Appendix 2 of this report.
3. Enact the “One Way Traffic Lanes” regulations, as identified in the Appendix 3 of this report.

4. Pass and amend the appropriate by-law(s) accordingly.

### **Financial Impact**

The roadway alterations works were funded by Tapscott Industrial Landowners Group and have been completed. There is no financial impact associated with this report.

### **ISSUE BACKGROUND**

City legal staff have advised that the *City of Toronto Act, 2006*, requires by-laws for the alteration of highways, including widenings for right-turn lanes.

The highway alterations identified in this report are on streets with established TTC routes and therefore require the approval of City Council, as per Toronto Municipal Chapter 27.

### **COMMENTS**

The following characteristics describe the existing intersection of Markham Road at Steeles Avenue East:

- Steeles Avenue East is classified as a major arterial roadway, with four lanes west of Markham Road, reducing to two lanes east of Markham road.
- Steeles Avenue East has a posted speed limit of 60 kilometres per hour. The eastbound curb lane on Steeles Avenue East becomes an exclusive right-turn lane as it approaches Markham Road, narrowing down to two lanes, east of Markham Road. The westbound curb lane on Steeles Avenue East becomes an exclusive right-turn lane as it approaches Markham Road, narrowing down to two lanes, west of Markham Road.
- Markham Road is classified as a major arterial roadway with six through lanes and a two-way left-turn lane, south of Steeles Avenue East. The northbound curb lane on Markham Road becomes an exclusive right-turn lane as it approaches Steeles Avenue East, narrowing down to two lanes, north of Steeles Avenue East. The southbound curb lane on Markham Road becomes an exclusive right-turn lane as it approaches Steeles Avenue East, narrowing down to three lanes, south of Steeles Avenue East.
- Markham Road has a speed limit of 60 km/h and a daily traffic volume of approximately 54,000 vehicles per day.
- Tapscott Road is a two lane rural road between Passmore Avenue and Steeles Avenue East and is stop-controlled at Steeles Avenue East and will be classified as a four-lane collector road linking Steeles Avenue East to Finch Avenue East when the Tapscott Industrial Lands development is completed.

The right-turn lanes were identified as a mitigating measure for the Tapscott Development Lands. One-Way Traffic Lane regulations are also needed to regulate the use of right-turn lanes. Council's approval of the recommended improvements and regulations would increase the capacity and safety at these intersections and on the surrounding road network. Plans for the alterations are on file at the office of Transportation Services.

## **CONTACT**

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## **SIGNATURE**

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DT/SQH:lab

## **ATTACHMENTS**

1. Appendix 1 – Proposed Highway Alterations
2. Appendix 2 – “One-Way Traffic Lane” regulation – rescind
3. Appendix 3 – “One-Way Traffic Law” regulations – enact
4. Location Map (4)
5. Location Map (5)

## Appendix 1 - Proposed Highway Alterations

### Location Requiring a Highway Alteration By-Law Intersection Improvement

<b>Ward</b>	<b>Street</b>	<b>At</b>	<b>To</b>	<b>Description of Highway Alteration</b>	<b>Rationale</b>
42	Steeles Avenue East	Markham Road		Introduce an exclusive northbound right-turn lane, an exclusive westbound right-turn lane, an exclusive eastbound right-turn lane and an exclusive southbound right-turn lane.	Safety and Operational Improvement

<b>Ward</b>	<b>Street</b>	<b>At</b>	<b>To</b>	<b>Description of Highway Alteration</b>	<b>Rationale</b>
42	Steeles Avenue East	Tapscott Road		Introduce an exclusive eastbound right-turn lane.	Safety and Operational Improvement

Appendix 2 - “One-Way Traffic Lane” regulation – rescind

(In Column 1) Highway	(In Column 2) Between	(In Column 3) Lanes	(In Column 4) Times or Days	(In Column 5) Direction
Markham Road and Steeles Avenue East (M.T.55) E:871-2002	Steeles Avenue East and appoint 30.5 metres south thereof	Easterly Northbound	Anytime	Northbound right-turning

Appendix 3 – “One-Way Traffic Law” regulations - enact

(In Column 1) Highway	(In Column 2) Between	(In Column 3) Lanes	(In Column 4) Times or Days	(In Column 5) Direction
Markham Road and Steeles Avenue East	Steeles Avenue East and a point 95 metres south thereof	Easterly Northbound	Anytime	Northbound right-turning (buses excepted)
Markham Road and Steeles Avenue East	Steeles Avenue East and the northerly City Limit	Westerly Southbound	Anytime	Southbound right-turning (buses excepted)
Steeles Avenue East and Markham Road	Markham Road and a point 134 metres east thereof	Northerly Westbound	Anytime	Westbound right-turning (buses excepted)
Steeles Avenue East and Markham Road	Markham Road and a point 50 metres west thereof	Southerly Eastbound	Anytime	Eastbound right-turning (buses excepted)
Steeles Avenue East and Tapscott Road	Tapscott Road and a point 190 metres west thereof	Southerly Eastbound	Anytime	Eastbound right-turning (buses excepted)