



**STAFF REPORT  
ACTION REQUIRED**

**Highway Alteration By-law – Midland Avenue at Steeles Avenue East**

<b>Date:</b>	April 21, 2009
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Acting Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 41 – Scarborough Rouge-River
<b>Reference Number:</b>	P:\2009\Cluster B\TRA\Scarborough\sc09038

**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 for the recommended improvements to the intersection of Midland Avenue at Steeles Avenue East as noted in Appendix 1 of this report. The proposed modifications will be undertaken and secured by the developer of 4600 Steeles Avenue East (1685904 Ontario Inc.).

**RECOMMENDATIONS**

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

1. Authorize the recommended intersection improvements in the vicinity of the Midland Avenue/Steeles Avenue East intersection identified in Appendix A of this report.

## **Financial Impact**

The financial costs of completing roadway alterations and Traffic Control Signal Plant modifications is \$550,000.00 (total cost). Funding for these required improvements is being provided by the developer of 1685904 Ontario Inc. 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. This is not a new requirement under the *City of Toronto Act, 2006* and was required under the previous Municipal Acts. Notwithstanding that, many pre-al amalgamation municipalities have varied practices relating to highway alterations. City legal staff have advised that if any of the Districts in Transportation wish to make an alteration to a highway, a by-law is required to be prepared and passed under the *City of Toronto Act, 2006*. Alterations requiring approval typically include road narrowing and widening, the installation of a lay-by, the installation of sidewalks, the installation of medians and the realignment of intersections.

As of March 27, 2007, Community Councils have the authority to pass highway alteration by-laws with respect to various works as set out in Chapter 27 Article XVIII of the Toronto Municipal Code. Specifically, §§27-152B(5) allows Community Councils to pass highway alteration bills with respect to highways that do not have an established TTC route and are classified as local roads, collector roads, minor arterial roads or major arterial roads on which the proposal complies with all relevant City by-laws and policies.

The highway alterations identified in this report are on streets with established TTC routes and therefore require the approval of City Council.

## **COMMENTS**

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

- This signalized T-type intersection is located at the northerly limit of Midland Avenue, between the signalized intersections of Silver Star Boulevard and Ashcott Place.
- Midland Avenue is classified as a major arterial roadway with a posted speed limit of 60 kilometres per hour.
- Steeles Avenue East is classified as a major arterial roadway with a posted speed limit of 60 kilometres per hour.

Council's approval of the recommended improvements in Appendix 1 would increase the capacity and safety at this signalized intersection and on the surrounding road network.

## **CONTACT**

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## **SIGNATURE**

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Steven T. Kodama, P.Eng.  
Acting Director, Transportation Services, Scarborough District

DT/PMC:lab

## **ATTACHMENTS**

1. Appendix "A"
2. Attachment 1 – Intersection Improvements Midland Avenue at Steeles Avenue East
3. Location Map (Midland Avenue at Steeles Avenue East)

Appendix “A”

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>
41	Steeles Avenue East	Midland Avenue		Introduce centre median on east and west legs of intersection. Increase east and westbound left-turn storage length	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>
41	Midland Avenue	Steeles Avenue East		Introduce 5 lane cross-section south of Steeles Avenue East. Introduce 3 lane cross-section, north of Steeles Avenue East	Safety and Operational Improvement

Attachment 1

“Intersection Improvements Midland Avenue at Steeles Avenue East”

**Table 1b Ultimate Stage  
Steeles Avenue East / Midland Avenue Signalized Intersection Improvements**

Road Element	Functional Components	Dimensions	Operational Triggers
Midland Avenue North of Steeles	<ul style="list-style-type: none"> <li>• 3 Lane X-section;</li> <li>• SB Left</li> <li>• SB thru/right</li> <li>• Centre median</li> <li>• NB receiving lane</li> <li>• Boulevards</li> </ul>	<ul style="list-style-type: none"> <li>• As per lane and alignment design (BA Group drawing FD -02, dated Nov., 2007) accepted by City of Toronto</li> </ul>	<ul style="list-style-type: none"> <li>• Development of 4600 Steeles Avenue East</li> </ul>
Midland Avenue south of Steeles Avenue East	<ul style="list-style-type: none"> <li>• Introduce 5 lane X-section</li> <li>• Centre median at Steeles</li> <li>• NB Left, NB Thru, NB Right</li> <li>• 2 SB receiving lanes</li> <li>• Reduce boulevard dimensions</li> </ul>	<ul style="list-style-type: none"> <li>• As per lane and alignment design (BA Group drawing FD -02, dated Nov., 2007) accepted by City of Toronto</li> </ul>	<ul style="list-style-type: none"> <li>• Midland Avenue Extension to Old Kennedy Road <u>and/or</u> Development of 4550 Steeles Avenue East</li> </ul>
Steeles Avenue East, east of Midland Avenue	<ul style="list-style-type: none"> <li>• Introduce centre median on Steeles Avenue East</li> <li>• Remove striped-out pavement width along north curb line from Interim condition</li> <li>• Increase WB left turn lane storage and taper dimensions through re-striping</li> <li>• Maintain south curb line and boulevard dimensions</li> </ul>	<ul style="list-style-type: none"> <li>• As per lane and alignment design (BA Group drawing FD -02, dated Nov., 2007) accepted by City of Toronto</li> </ul>	<ul style="list-style-type: none"> <li>• Development of 4550 Steeles Avenue East</li> <li>• Midland Avenue Extension to Old Kennedy Road</li> </ul>
Steeles Avenue East, west of Midland Avenue	<ul style="list-style-type: none"> <li>• Construct ultimate north curb line for 5 lane X-section along Steeles Avenue East and ensure lane continuity in the WB curb lane</li> <li>• Introduce centre median on Steeles Avenue East to create back-to-back left turn storage and taper conditions</li> <li>• Increase EB left turn lane storage and taper lanes</li> <li>• Modify EB thru &amp; thru/right turn lane dimensions and configuration</li> <li>• Maintain south curb line and south boulevard dimensions</li> </ul>	<ul style="list-style-type: none"> <li>• As per lane and alignment design (BA Group drawing FD -02, dated Nov., 2007) accepted by City of Toronto</li> </ul>	<ul style="list-style-type: none"> <li>• Development of 4550 Steeles Avenue East</li> <li>• Midland Avenue Extension to Old Kennedy Road</li> </ul>