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**TO:** Mayor J. Lehman and Members of Council

**FROM:** J. Weston, M.A.Sc., P. Eng., PMP, Director of Engineering

**NOTED:** R. J. Forward, MBA, M.Sc., P. Eng., General Manager of Infrastructure & Growth  
*For* Management  

C. Ladd, Chief Administrative Officer 

**RE:** McKay Road East - Highway 400 Interchange,  
Lockhart Road/Salem Road Crossing and Associated Works (Assignment #2)  
Municipal Class Environmental Assessment Phases 3 and 4  
Public Information Centre  
(File : T05-MK)

**DATE:** September 12, 2016

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The Engineering Department is completing Phase 3 and 4 of the Municipal Class Environmental Assessment (Class EA) Study for McKay Road East - Highway 400 Interchange, Lockhart Road/Salem Road Crossing and associated works to determine the most appropriate design for future reconstruction projects.

A Public Information Centre (PIC) has been scheduled for the above noted project on Thursday, September 22, 2016, at the Liberty North Banquet Hall from 4:00 p.m. to 7:00 p.m. to allow the public to review and provide comments/concerns on proposed alternative design concepts.

To advise the concerned public of the PIC, the attached letter and comment sheet will be mailed and/or hand delivered on Friday, September 9, 2016 to agencies, businesses, property owners and tenants that may be directly affected. An advertisement will also be placed in the local newspaper on Thursday, September 15, 2016, and Saturday September 17, 2016, advising of the PIC. To ensure City Council has the information at the same time as the public, this memo has been provided with a copy of the mail out information as per attached.

If there are any questions, please contact Alvaro Almuina at extension 4471 or email [Alvaro.Almuina@barrie.ca](mailto:Alvaro.Almuina@barrie.ca).

  
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J. Weston, M.A.Sc., P. Eng., PMP  
Director of Engineering

September 9, 2016

File: T05-MK

To All Area Residents / Business Owners / Tenants / Agencies:

**Re: McKay Road East - Highway 400 Interchange, Lockhart Road/Salem Road Crossing and Associated Works (Assignment #1)  
Municipal Class Environmental Assessment Phase 3 & 4  
Public Information Centre  
Presentation of Alternative Design Solutions**

The Corporation of the City of Barrie is undertaking a Municipal Class Environmental Assessment (Class EA) to address transportation improvements on for the McKay Road East - Highway 400 Interchange, Lockhart Road/Salem Road Crossing and associated works to determine the most appropriate design for future reconstruction projects, as recommended in the City's Multi-Modal Active Transportation Master Plan (MMATMP) (see attached Figure 1 - Map of Study Area). This letter is to advise you of the progress that has been made on this study and the upcoming activities.

The preferred alternative solution from Phase 1 & 2 of the Class EA process completed as part of the MMATMP was endorsed by Council on December 2, 2013 (Council Direction Memorandum 13-G-289).

The City of Barrie is now proceeding with Phases 3 and 4 of the Schedule "C" Municipal Class EA (October 2000, as amended in 2007 and 2011). The Corporation has retained the consulting firm WSP/MMM to develop and evaluate various alternative designs and to complete the Environmental Study Report (ESR).

A Public Information Centre (PIC) is scheduled for **Thursday September 22, 2016**, at the Liberty North Banquet Hall from 4:00 p.m. to 7:00 p.m. to allow the public to review and provide comments/concerns on proposed alternative design concepts. The public is invited to attend the PIC to review and provide comments on the proposed design alternative solutions. Comments and responses received from the PIC will be considered in the development of the preferred design alternative solution. Consulting Team and City Staff will be available to discuss issues and concern with members of the public. The following alternatives will be presented at the PIC:

#### **Highway 400 Interchange at McKay Road**

**Alternative 1 – Parclo A4 Interchange**

This alternative would be to construct a new McKay Road 'Parclo A4' interchange at Highway 400, and to widen McKay Road to five lanes, including a median turn lane, buffered bike lanes, and sidewalks, in the area of the interchange. This interchange configuration has six ramps, and will permit direct movements onto Highway 400 from all directions along McKay Road.

**Alternative 2 – Parclo A3 Interchange**

This alternative would be similar to Alternative 1, except the new interchange would be constructed in a 'Parclo A3' configuration. This would eliminate the need for a new ramp in the northeast quadrant, and would reduce property requirements. This configuration has five ramps, and would have fewer direct movements onto Highway 400; thus, it would have slightly less capacity than Alternative 1.

**Alternative 3 – Diamond Interchange**

This alternative would be similar to the other alternatives, except the new interchange would be constructed in a 'Diamond' configuration. This configuration would have four ramps, and have no direct movements onto Highway 400; thus, it would have less capacity than the other alternatives.

McKay Road Class EA Phases 3 & 4

September 9, 2016

**Highway 400 Crossing between Salem Road and Lockhart Road**

Two alternatives will be evaluated for the proposed crossing:

 **Alternative 1 - Salem / Lockhart Crossing**

This alternative is to construct a new Highway 400 crossing at Salem Road/Lockhart Road, and to widen Salem Road/Lockhart Road to five lanes, including a median turn lane, buffered bike lanes, and sidewalks, from Veterans Drive to Saunders Road. The widening would be on both sides of the existing road and would include a retaining wall west of Highway 400 to minimize property impacts on the north side of Salem Road.

 **Alternative 2 - Salem / Lockhart Crossing**

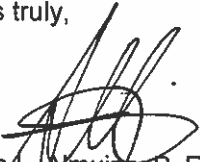
This alternative is similar to Alternative 1 except the alignment would shift slightly to the south in the area of Highway 400 in order to avoid the need for a retaining wall. A slightly longer bridge over Highway 400 would be required.

Following the completion of the PIC, and in consideration of all concerns raised through review agency and public comment, the preferred alternative design solution will be identified and appropriately documented in the ESR. The ESR and accompanying recommendations will then be presented to General Committee for endorsement. Those individuals and parties that request to be kept informed of the Class EA process will be notified of the date that Council may approve the preferred alternative design solution so that deputations to Council can be made.

A comment sheet is included with this letter to allow the public and review agencies the opportunity to provide input / comments regarding this study. Please return comment sheets by **Friday, October 21, 2016**.

If you have any questions and/or concerns, please feel free to contact Alvaro Almuina at (705) 739-4220 extension 4471, or e-mail [Alvaro.Almuina@barrie.ca](mailto:Alvaro.Almuina@barrie.ca).

Yours truly,

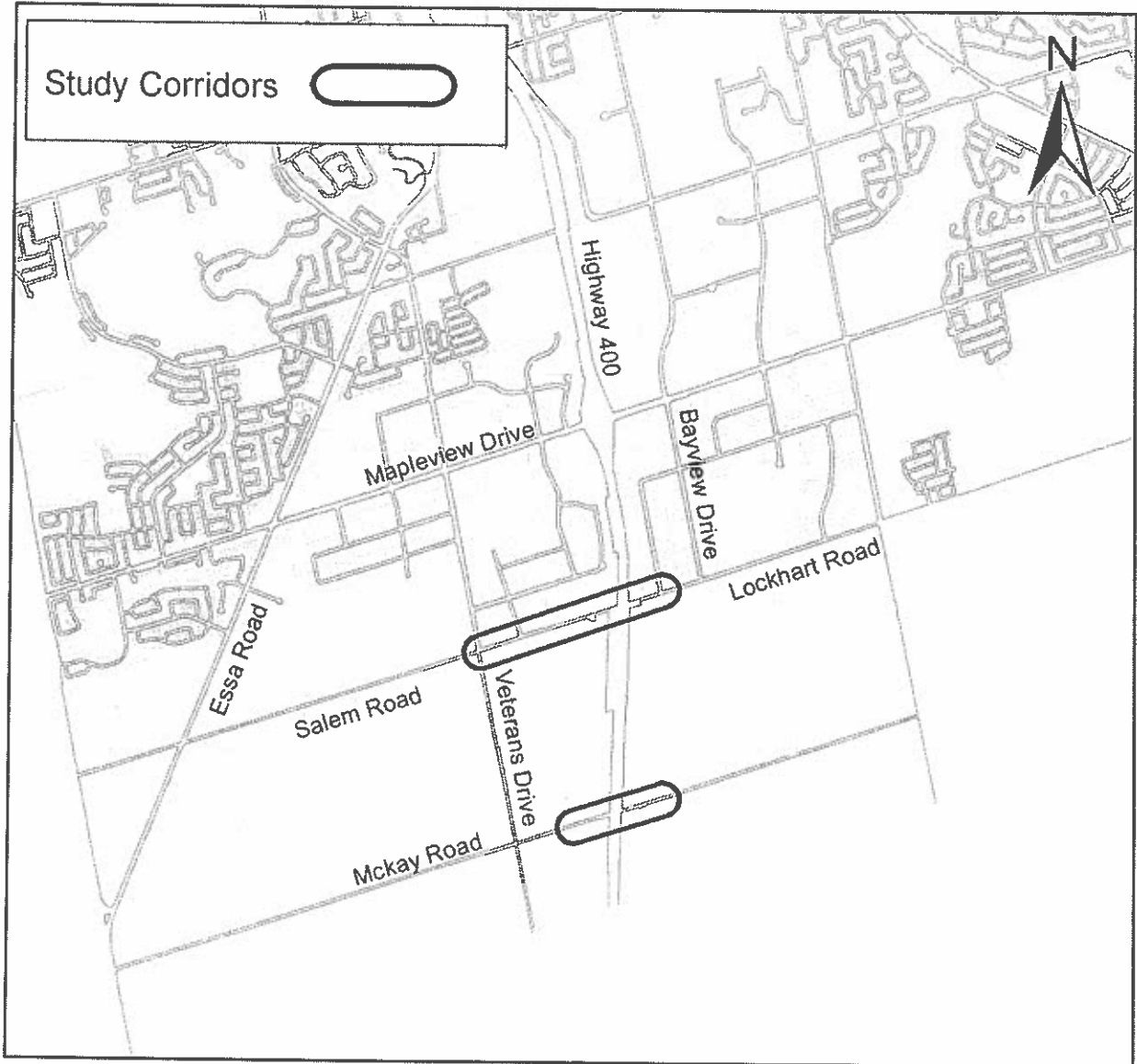


Alvaro L. Almuina, P. Eng. PMP  
Program Coordinator  
Growth Management Projects

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Figure 1

Map of Study Area





**MCKAY ROAD EAST - HIGHWAY 400 INTERCHANGE  
LOCKHART ROAD/SALEM ROAD CROSSING AND ASSOCIATED WORKS (ASSIGNMENT #2)  
MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT PHASES 3 & 4**

Public Information Centre  
Thursday, September 22, 2016  
4:00 p.m. to 7:00 p.m.  
Liberty North Banquet Hal

**COMMENT SHEET**

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Personal information on this form is collected under the authority of the Environmental Assessment Act, Chap. E18, Section 7, and will be used in the development of a Municipal Class Environmental Assessment. Questions about this collection should be directed to the Director of Engineering, P.O. Box 400, 70 Collier Street, Barrie, Ontario, L4M 4T5, (705) 726-4242.

**Please print all responses**

**NAME OF RESPONDENT:**

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**REPRESENTING (Agency, Municipality, Property Owner, Tenant, etc.):**

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**ADDRESS (Including Postal Code & Telephone Number):**

**Street Address:**

**Unit/Apt:**

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**Postal Code:**

**Telephone Number:**

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The Problem Statement, which sets the framework for this Class EA study, is as follows:

"To improve the existing network connectivity south of Barrie, within the recently annexed lands, that will balance existing and future transportation and pedestrian needs for all users in an environmentally friendly manner. The City's Multi-Modal Active Transportation Master Plan identified that the interchange at Mapleview Drive experiences congestion and is currently used by not only traffic accessing Highway 400 but also by many east-west trips. A new interchange at McKay Road would provide an alternative access to Highway 400 and accommodate future development. An additional east-west crossing at Salem Road/Lockhart Road would improve traffic conditions on Mapleview Drive and improve traffic conditions on north-south arterial roads."

Which of the following alternatives do you feel best address the existing deficiencies and generate the greatest positive impact? Please rank the following alternatives from 1 to 3 with 1 being the most preferred.

**Highway 400 Interchange at McKay Road**

**Alternative 1 – Parclo A4 Interchange**

This alternative would be to construct a new McKay Road 'Parclo A4' interchange at Highway 400, and to widen McKay Road to five lanes, including a median turn lane, buffered bike lanes, and sidewalks, in the area of the interchange. This interchange configuration has six ramps, and will permit direct movements onto Highway 400 from all directions along McKay Road.

**Alternative 2 – Parclo A3 Interchange**

This alternative would be similar to Alternative A, except the new interchange would be constructed in a 'Parclo A3' configuration. This would eliminate the need for a new ramp in the northeast quadrant, and would reduce property requirements. This configuration has five ramps, and would have fewer direct movements onto Highway 400; thus, it would have slightly less capacity than Alternative A.

**Alternative 3 – Diamond Interchange**

This alternative would be similar to the other alternatives, except the new interchange would be constructed in a 'Diamond' configuration. This configuration would have four ramps, and have no direct movements onto Highway 400; thus, it would have less capacity than the other alternatives.

McKay Road Interchange and Salem / Lockhart Crossing Class EA Phases 3 & 4

Highway 400 Crossing between Salem Road and Lockhart Road

Two alternatives will be evaluated for the proposed crossing:

**Alternative 1 - Salem / Lockhart Crossing**

This alternative is to construct a new Highway 400 crossing at Salem Road/Lockhart Road, and to widen Salem Road/Lockhart Road to five lanes, including a median turn lane, buffered bike lanes, and sidewalks, from Veterans Drive to Saunders Road. The widening would be on both side of the existing road and would include a retaining wall west of Highway 400 to minimize property impacts on the north side of Salem Road.

**Alternative 2 - Salem / Lockhart Crossing**

This alternative is similar to Alternative 1 except the alignment would shift slightly to south in the area of Highway 400 in order to avoid the need for a retaining wall. A slightly longer bridge over Highway 400 would be required.

Please list below any specific concerns you have with the alternatives:

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Do you wish to continue to be informed of the staff recommendations for the Preferred Alternative Solution that will be presented to General Committee?

Yes       No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Are you satisfied with the detail of the information presented herein, at the Public Information Centre, and provided on the City website ([www.barrie.ca/eastudies](http://www.barrie.ca/eastudies))?

**Poor**  
(Much Improvement  
Required)

**Marginal**  
(Some Improvement  
Required)

**Good**

**Very Good**

**Excellent**

Please add a comment in support of your level of satisfaction below:

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Please submit this comment sheet by **Friday, October 21, 2016** to:

Alvaro L. Almuina, P. Eng. PMP City of Barrie Engineering Department 70 Collier Street, P.O. Box 400 Barrie, ON L4M 4T5	Tel: (705) 739-4220, Ext. 4471 Fax: (705) 739-4247 E-mail: <a href="mailto:Alvaro.Almuina@barrie.ca">Alvaro.Almuina@barrie.ca</a>
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*Thank you for your comments.*