

Clause 3 in Report No. 8 of Committee of the Whole was adopted, without amendment, by the Council of The Regional Municipality of York at its meeting held on May 25, 2017.

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Traffic Control Signal Installation – Mount Albert Road and
Centre Street, Town of East Gwillimbury

Committee of the Whole recommends adoption of the following recommendations contained in the report dated April 25, 2017 from the Commissioner of Transportation Services:

1. A traffic control signal be installed at the intersection of Mount Albert Road (Y.R. 13) and Centre Street, in the Town of East Gwillimbury.
2. The Regional Clerk forward this report to the Clerk of the Town of East Gwillimbury.

Report dated April 25, 2017 from the Commissioner of Transportation Services now follows:

1. Recommendations

It is recommended that:

1. A traffic control signal be installed at the intersection of Mount Albert Road (Y.R. 13) and Centre Street, in the Town of East Gwillimbury.
2. The Regional Clerk forward this report to the Clerk of the Town of East Gwillimbury.

2. Purpose

This report seeks Council authorization to install a traffic control signal at the intersection of Mount Albert Road (Y.R. 13) and Centre Street, in the Town of East Gwillimbury.

3. Background and Previous Council Direction

The Region's traffic signal policy is consistent with Ministry of Transportation of Ontario traffic signal criteria

In June 2015, Council adopted the updated Traffic and Pedestrian Signal Policy, which directly references the Ontario Traffic Manual Book 12, entitled Traffic Signals. Ontario Traffic Manual Book 12 identifies criteria for the installation of traffic control signals based on traffic volume and delay, pedestrian volumes and collision history.

Ministry of Transportation of Ontario traffic signal criteria supports traffic signals when addressing visibility concerns

Under the Region's policy, Council retains the option to approve any new traffic signal when intersections do not satisfy criteria identified in the Ontario Traffic Manual Book 12. Another consideration used to determine whether a traffic signal installation is beneficial is visibility. Traffic signals should be considered when visibility is inadequate for the safe and efficient operation of an intersection in its unsignalized state and when geometric or operational improvements cannot resolve the situation.

The Region was requested to consider traffic signals at Mount Albert Road and Centre Street

Town of East Gwillimbury Council requested a crosswalk with lights at the intersection of Mount Albert Road and Centre Street to provide safe passage for pedestrians, particularly school children. Sight-line concerns were raised due to the crest of the hill at the intersection and speeding vehicles. East Gwillimbury Council requested the Region consider addressing pedestrian safety at the intersection.

4. Analysis and Implications

The intersection of Mount Albert Road and Centre Street is located on the crest of a hill near Mount Albert Public School

The intersection configuration of Mount Albert Road and Centre Street is unique. The north and south approaches are offset and located on a vertical crest with a

Traffic Control Signal Installation
Mount Albert Road and Centre Street
Town of East Gwillimbury

grade of approximately seven per cent leading towards Mount Albert Public School.

Stop control is currently present on Centre Street. Mount Albert Road has a speed limit of 50 km/h and carries approximately 2,500 vehicles daily. The intersection includes a school crossing on the east approach to accommodate children walking to and from Mount Albert Public School. A crossing guard is present to assist children during critical school walking hours. A location plan of the intersection is shown on Attachment 1.

An operational review concluded traffic signals at the intersection of Mount Albert Road and Centre Street are appropriate

Staff conducted an operational review at this location to address the concerns brought forward by the Town of East Gwillimbury. The review identified:

- The intersection of Mount Albert Road and Centre Street would benefit from the installation of traffic control signals
- The posted speed limit on Mount Albert Road adheres to the Region's Speed Limit Policy
- Sight distance at the intersection is limited for vehicles travelling westbound on Mount Albert Road due to the vertical crest

Limited sight distance is the key concern at this intersection. The Transportation Association of Canada Geometric Design Guide for Canadian Roads recommends consideration be given to changing traffic control to improve safety and traffic operation when requirements of intersection sight distances cannot be achieved.

Promoting safety on the Regional road network supports Vision 2051

This report supports Vision 2051 by responding to the needs of our residents and promoting safety on York Region roads through effective policing, education and sensitive design.

5. Financial Considerations

The cost to install a traffic control signal at a typical four-approach intersection is approximately \$150,000. Annual operating costs are approximately \$7,000. Funding for the installation of the traffic control signal is available in the 2017 Capital Budget. Annual operating costs are available in the 2017 Roads and Traffic Operations Operating Budget.

6. Local Municipal Impact

Local municipal staff has been engaged and are supportive of the recommended traffic signal installation outlined in this report.

7. Conclusion

Staff has undertaken an operational review in response to the Town of East Gwillimbury request. Staff recommends installation of a traffic control signal at the intersection of Mount Albert Road and Centre Street.

For more information on this report, please contact Joseph Petrungaro, Director, Roads and Traffic Operations, at 1-877-464-9675 extension 75220.

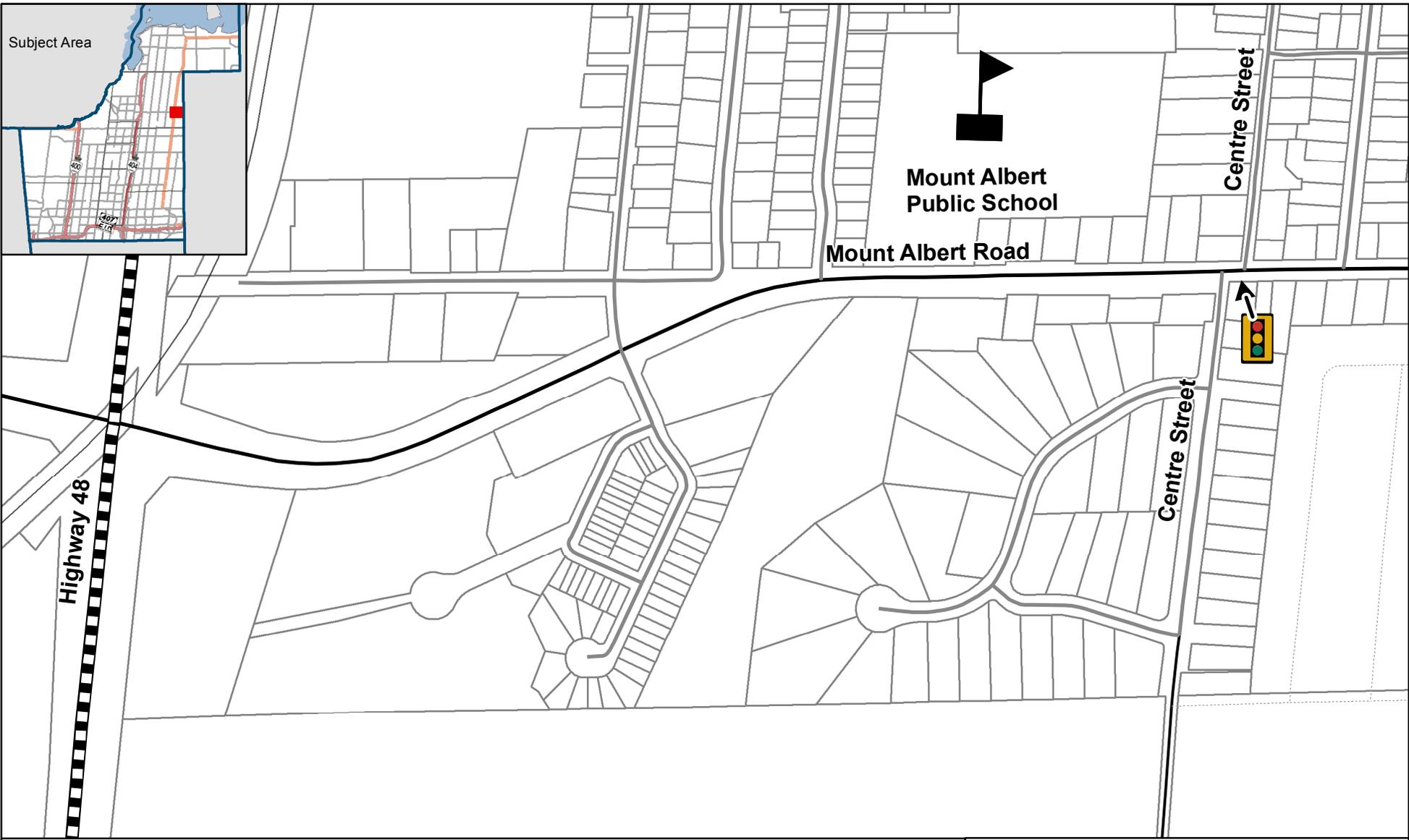
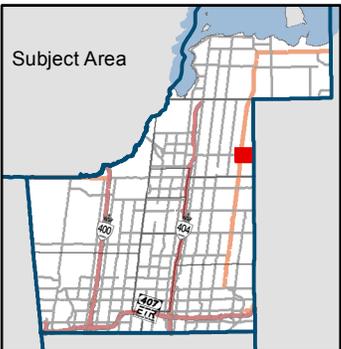
The Senior Management Group has reviewed this report.

April 25, 2017

Attachment (1)

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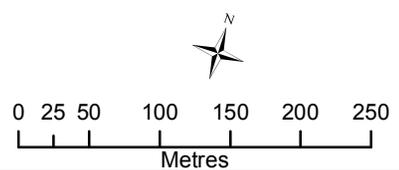
Accessible formats or communication supports are available upon request



Traffic Control Signal Installation Mount Albert Road (Y.R. 13) and Centre Street Town of East Gwillimbury

May 11, 2017

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Legend

-  Proposed Traffic Control Signal
-  Regional Arterial Road
-  Local Collector Road
-  Provincial Highway