

Clause 7 in Report No. 13 of Committee of the Whole was adopted without amendment, by the Council of The Regional Municipality of York at its meeting held on October 19, 2017.

7

Traffic Signal Installation
King Road and Greenside Drive
Township of King

Committee of the Whole recommends:

1. Receipt of the communication from L. Piccoli, Principal, St. Mary Catholic School dated September 29, 2017.
2. Adoption of the following recommendations, as amended, contained in the report dated September 22, 2017 from the Commissioner of Transportation Services:
 1. *Traffic signals be installed, at the expense of the Township of King, at the intersection of King Road and Greenside Drive, in the Township of King, and that the signals only be activated by a pedestrian or the presence of a vehicle.*
 2. The Regional Clerk forward this report to the Clerk of the Township of King.

Report dated September 22, 2017 from the Commissioner of Transportation Services now follows:

1. Recommendations

It is recommended that:

1. Traffic signals not be installed at the intersection of King Road and Greenside Drive, in the Township of King.
2. The Regional Clerk forward this report to the Clerk of the Township of King.

2. Purpose

This report addresses a resolution received from Township of King, requesting the Region approve installation of traffic signals at the intersection of King Road and Greenside Drive. The Township of King resolution is included as Attachment 1.

3. Background

The intersection of King Road and Greenside Drive serves the north-east community of Nobleton

King Road and Greenside Drive is a T-intersection that serves approximately 800 homes in the community north of King Road. In this vicinity, King Road is a two-lane roadway with a posted speed limit of 50 km/h and carries approximately 13,000 vehicles daily. Dedicated turn lanes are installed on King Road for motorists turning onto Greenside Drive. St. Mary's Catholic Elementary School is located on Greenside Drive, approximately 500 metres north of King Road. A location plan of the intersection is shown on Attachment 2.

Township of King has requested the Region to install a traffic signal at the intersection of King Road and Greenside Drive, at the Township's cost

On May 29, 2017, Township of King passed a resolution requesting the Region install traffic signals at King Road and Greenside Drive. The resolution acknowledged the intersection has been reviewed by the Region in the past and has not satisfied the technical criteria to warrant signals. It further identified that, should the Region approve the installation, the associated installation and operating costs would be funded by the Township of King.

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

In June 2015, Council adopted the updated Traffic and Pedestrian Signal Policy, which directly references Ontario Traffic Manual Book 12, entitled Traffic Signals. This Ministry of Transportation of Ontario (MTO) publication provides for a consistent approach used across the province to determine whether the installation of signals would be beneficial. MTO signal criteria are based on traffic

volume and delay, pedestrian volumes and collision history. Council has authority to approve traffic signals that do not satisfy policy criteria.

4. Analysis and Implications

The King Road and Greenside Drive intersection does not currently satisfy the Region's traffic and pedestrian signal policy

The most recent traffic and pedestrian count in January 2017 observed only five pedestrians crossing King Road between 7:00 a.m. and 6:00 p.m. During the busiest hour (8:00 a.m. to 9:00 a.m.), there were 114 vehicles turning left from Greenside Drive onto King Road, which experienced an average delay of 37 seconds. Collisions at this intersection remain quite low, with only three collisions occurring in the past five years.

Analysis of the current traffic conditions at King Road and Greenside Drive indicates the intersection falls far short of satisfying the policy criteria

The intersection currently satisfies approximately 40 per cent of the policy criteria. The policy criteria results are relatively consistent with prior reviews completed since 2012.

Traffic signals at this location will introduce delays for traffic on King Road

Staff evaluated the total vehicle delay at the intersection, comparing the current stop conditions versus proposed traffic signals.

King Road carries approximately 13,000 vehicles per day, while Greenside Drive carries approximately 2,200 vehicles per day. Analysis indicates total delay over the morning and afternoon rush hours would be reduced for traffic on Greenside Drive. However, delay would be introduced for vehicles on King Road. As there is significantly more traffic volume on King Road, the net result would be more total delay introduced and the intersection would perform at a reduced level of service.

Staff is not in a position to recommend installation of a traffic signal at this time.

5. Financial Considerations

There are no costs to the Region associated with this report.

The installation cost of traffic signals at King Road and Greenside Drive would be approximately \$150,000. Annual operating costs are approximately \$7,800. The Township of King would be responsible for all installation costs, plus annual maintenance costs, until such time as the intersection satisfies the Region's policy criteria.

6. Local Municipal Impact

The Township of King has requested traffic control signals be installed at this location at their cost. Residents within the north-east community of Nobleton will benefit from these signals. However, through traffic on King Road will experience increased delays.

7. Conclusion

On May 29, 2017, Township of King passed a resolution requesting the Region install traffic signals at King Road and Greenside Drive at the Township's sole cost.

Analysis has indicated the intersection does not satisfy criteria of the Region's traffic and pedestrian signal policy. Council has the authority to approve traffic signals that do not satisfy the policy. Overall intersection delay at this location is expected to increase with installation of traffic signals. Staff is not in a position to recommend installation of traffic signals at this time.

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

The Senior Management Group has reviewed this report.

September 22, 2017

Attachment (2)

7885334

Accessible formats or communication supports are available upon request



King Township
2075 King Road
King City, Ontario
Canada L7B 1A1

Phone: 905.833.5321
Fax: 905.833.2300
Website: www.king.ca



June 9, 2017

Chris Raynor, Regional Clerk
Regional Municipality of York
17250 Yonge Street
NEWMARKET ON L3Y 6Z1

Dear Mr. Raynor,

**RE: Township of King
Engineering, Public Works and Building Department Report No.: EPW-2017-19
Traffic Signals at the Intersection of Greenside Drive and King Road**

At its meeting of May 29, 2017, Council received Engineering, Public Works and Building Department Report Number EPW-2017-19 regarding the installation of traffic signals at the intersection of Greenside Drive and King Road in Nobleton and approved the following recommendations, as amended, as follows:

- a) Report No. EPW 2017-19 be received as information;
- b) **THAT** Council adopt the following resolution regarding the installation of traffic signals at the intersection of Greenside Drive and King Road and submit this resolution to Regional Council for consideration:

Whereas on many occasions the Region of York has been informed of the concerns expressed by residents regarding the need for a Traffic Signal being added at the intersection of Greenside Drive and King Road;

Whereas the Region of York advised on multiple times that the intersection did not satisfy the minimum criteria required by the York Region's Traffic Signal Policy;

Whereas the Region of York requires the cost of any unwarranted Traffic Signal to be paid by the local municipality;

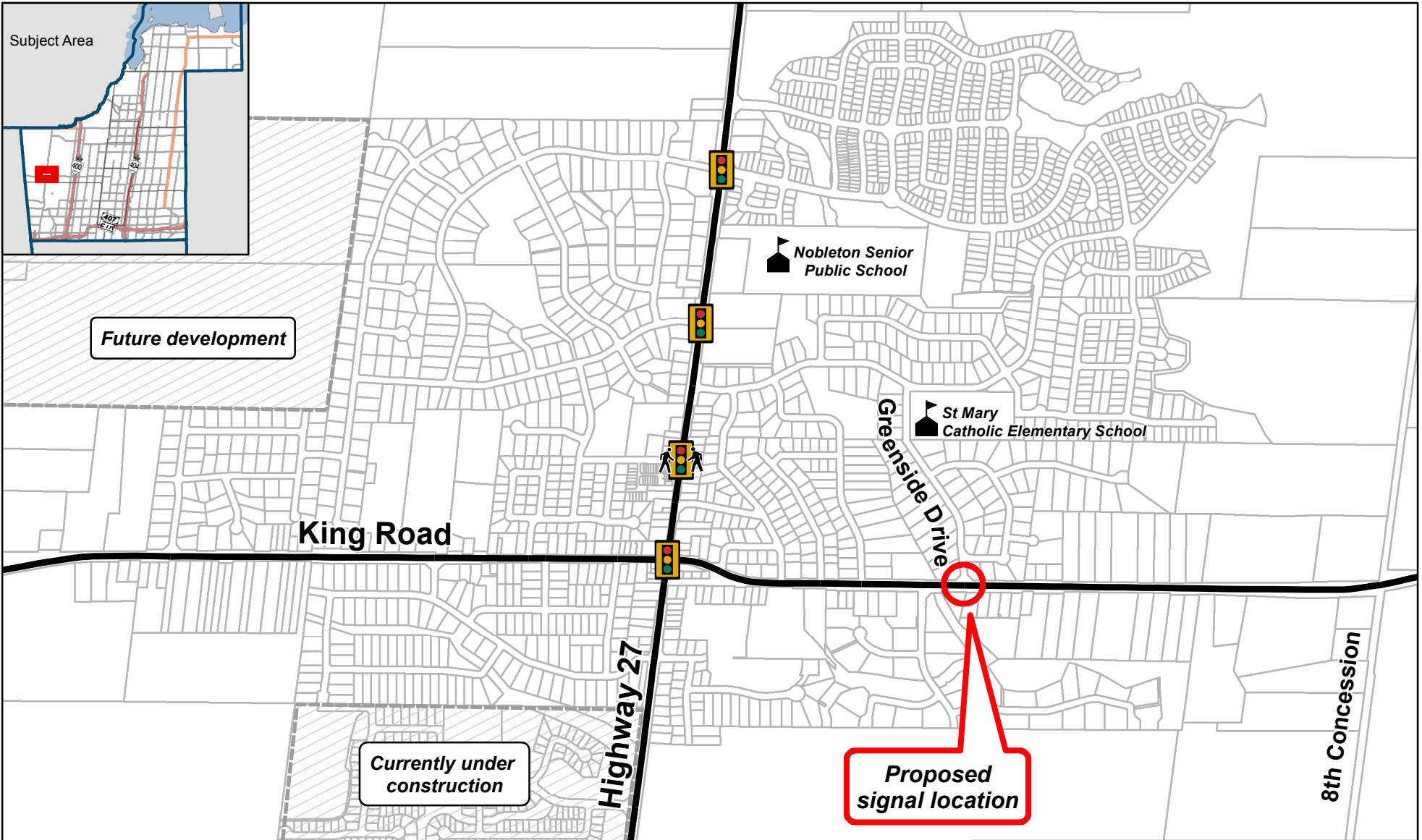
Therefore Be It Recommended that the Township of King forward the adopted resolution to the Region of York to request that the proposed Traffic Signal to be located at Greenside Drive and King Road be installed and made operational immediately.

- c) **AND** that should the installation of traffic signals be approved by the Region of York, Council authorize funding the associated costs from the Township of King Capital Budget.

Yours truly,

Kathryn Moyle
Director of Clerks/By-law Enforcement
Township Clerk

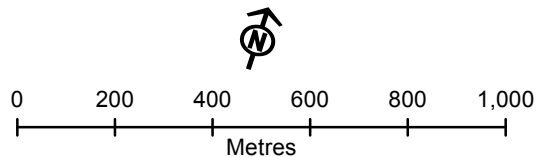
c.c. Andrzej Drzewiecki, Director of Engineering, Public Works & Building







Proposed Traffic Signal Location

Traffic Signal Installation, King Road and Greenside Drive
Township of King
October 5, 2017

Produced by:
The Regional Municipality of York
Roads & Traffic Operations, Transportation Services
August 2017
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Legend

-  Existing Traffic Signal
-  Existing Pedestrian Signal
-  Existing Elementary School
-  Regional Arterial Road



ST. MARY CATHOLIC SCHOOL

75 Greenside Drive, P.O. Box 809, Nobleton, Ontario L0G 1N0
Tel: (905) 859-3336 Fax: (905) 859-3408

September 29, 2018

To: York Regional Council

From: L. Piccoli
Principal St. Mary's CES

Dear Sir/Madam

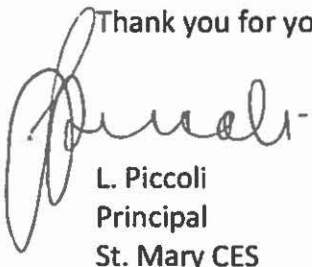
I am writing to you on behalf of the St. Mary Catholic Elementary School Community. We are very concerned regarding the safety of the students, parents, and school buses that travel onto King Road from Greenside Drive. Due to the increased traffic on King Road, the left hand turn from Greenside Drive onto King Road has become quite precarious and risky.

As you are aware, Greenside Drive has evolved into an extremely busy street that is used as a through street, as drivers attempt to avoid the busy traffic at King Road and Highway 27 during rush hour periods (8:00 a.m. – 9:00 a.m. and again between 3:00 p.m. and 6:00 p.m.). Not only is the street extremely busy, we have found that the speed limit is not adhered to. This creates a very dangerous situation for our students attempting to cross the road. School buses are regularly late as they are held up trying to make left and right turns into our area. The presence of a traffic light would not only ensure the safety of our students, but act as a calming influence for impatient and aggressive drivers.

As the population of our school increases (we have 600 students this year and 10 school buses), I do believe that the safety of our most vulnerable members needs to be addressed by the Region. Bus drivers regularly report their frustrations at the gridlock in the area, and they are often arriving late and cannot remain on schedule with drop offs after school.

The parents in this community rely on us for the safety of their children on this busy and dangerous through street. Community members are very concerned over this issue. I hope that the Region will take their best interests into consideration. We strongly support King Township's resolution to the Region.

Thank you for your consideration.



L. Piccoli
Principal
St. Mary CES