
TO: GENERAL COMMITTEE

SUBJECT: GRAY LANE REPLACEMENT OF YIELD SIGN WITH STOP SIGN

WARD: WARD 8

PREPARED BY AND KEY CONTACT: J. SHARP, C.E.T.
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SUBMITTED BY: D. FRIARY
DIRECTOR OF ROADS, PARKS AND FLEET

GENERAL MANAGER APPROVAL: R. J. FORWARD, MBA, M.Sc., P. Eng.
GENERAL MANAGER OF INFRASTRUCTURE & GROWTH MANAGEMENT

CHIEF ADMINISTRATIVE OFFICER APPROVAL: C. LADD,
CHIEF ADMINISTRATIVE OFFICER

RECOMMENDED MOTION

1. That Traffic By-law 80-138 Schedule "S" "Providing for the Erection of Stop Signs at Intersections" be amended by adding the following:

Column 1

Column 2

Gray Lane and Tollendal Mill Road

Southbound on Gray Lane

PURPOSE & BACKGROUND

2. Staff received a request from an area resident to investigate the feasibility of replacing the existing Yield sign with a Stop sign for Gray Lane at Tollendal Mill Rd. This request is based on existing traffic control causing safety and operation concerns for both pedestrians and motorists using the intersection.
3. Gray Lane at Tollendal Mill Road is a T-intersection controlled by a Yield sign which is facing southbound traffic on Gray Lane where it connects with Tollendal Mill Road. Please refer to Appendix "A".
4. Gray Lane is a two (2) lane local residential roadway traveling from north to south with a posted speed limit of 50 km/hr. The traffic volume on the roadway is less than 500 vehicles per day. There is no pedestrian sidewalk on both sides on the road.
5. Tollendal Mill Road is a two (2) lane local residential roadway going from east to west with a posted speed limit of 50km/h. The traffic volume on the roadway is less than 1000 vehicles per day. A pedestrian sidewalk is located along the north side of the road.

ANALYSIS

6. Staff have conducted a field observation to monitor the operation of the existing Yield sign at the intersection as it relates to both motorists and pedestrians safety.
7. Based on the results from field observations, a replacement of the southbound Yield sign to a Stop sign on Gray Lane at Tollendal Mill Road is recommended. Replacing the Yield sign with a Stop sign will improve the vehicle driver's perception reaction time, by requiring drivers to stop

and provide sufficient time to look for approaching pedestrians and motorists before proceeding through the intersection.

8. To ensure the safety and efficient operation of the intersection for both motorists and pedestrians staff recommends that Traffic By-law 80-138 Schedule "S" "Providing For The Erection Of Stop Signs At Intersections" be amended by adding the following:

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9. Please refer to Appendix "A" for a map detailing the intersection and the location for the proposed Stop sign control.
10. Barrie Police Service and Barrie Fire and Emergency Service support Staff's recommendation to replace the existing Yield sign with a Stop sign for southbound vehicles on Gray Lane at Tollendal Mill Road.

ENVIRONMENTAL MATTERS

11. There are no environmental matters related to the recommendation.

ALTERNATIVES

12. There is one alternative available for consideration by General Committee:

Alternative #1

General Committee could decide not to replace the existing Yield sign with a Stop sign for southbound vehicles from Gray Lane to Tollendal Mill Road.

This alternative is not recommended as Yield control does not provide for safe and efficient movement of pedestrians and motorists at this intersection.

FINANCIAL

13. The cost to implement the Stop sign is approximately \$200.00 which can be accommodated in the 2016 Operating Budget

LINKAGE TO COUNCIL STRATEGIC PRIORITIES

14. The recommendations included in this Staff Report are specifically related to goals identified in the 2014-2018 Strategic Plan.
 - a) Improved Road Safety
15. The proposed recommendation will reduce the potential of vehicle and pedestrian conflicts at this location. This will improve road safety by improving the operation of the right of way control at the intersection.

APPENDIX "A"

