

Clause 9 in Report No. 10 of Committee of the Whole was adopted, without amendment, by the Council of The Regional Municipality of York at its meeting held on June 23, 2016.

9

All-Way Stop Control – Intersection of Dalton Road and Baseline Road, Town of Georgina

Committee of the Whole recommends adoption of the following recommendations contained in the report dated May 26, 2016 from the Commissioner of Transportation Services:

1. Council authorize the enactment of a bylaw to implement an all-way stop at the intersection of Dalton Road (Y.R. 9) and Baseline Road (Y.R. 88), in the Town of Georgina.
2. The Regional Solicitor prepare the necessary bylaw.
3. The Regional Clerk circulate this report to the Town of Georgina and to the Chief of York Regional Police.

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Report dated May 26, 2016 from the Commissioner of Transportation Services now follows:

1. Recommendations

It is recommended that:

1. Council authorize the enactment of a bylaw to implement an all-way stop at the intersection of Dalton Road (Y.R. 9) and Baseline Road (Y.R. 88), in the Town of Georgina.
2. The Regional Solicitor prepare the necessary bylaw.
3. The Regional Clerk circulate this report to the Town of Georgina and to the Chief of York Regional Police.

All-Way Stop Control Intersection of  
Dalton Road and Baseline Road Town of Georgina

2. Purpose

This report seeks Council authorization to enact an All-way Stop Bylaw at the intersection of Dalton Road and Baseline Road, in the Town of Georgina.

3. Background

The Ontario Highway Traffic Act permits municipalities to implement all-way stops

The Ontario Highway Traffic Act governs the installation of stop signs stipulating in Section 137 (a) that the council of a municipality may, through bylaw, provide for the installation of stop signs at intersections on highways under its jurisdiction.

The Ontario Ministry of Transportation provides criteria for the implementation of all-way stops

The Region uses guidelines set out by the Ontario Ministry of Transportation (MTO) to inform decisions on intersection traffic controls, including roundabouts, traffic signals, and all-way stops. The guidelines contain criteria related to intersection volumes for vehicles and pedestrians.

In addition to volume thresholds, all-way stop control may be considered where traffic engineering studies indicate its use to be effective in addressing safety concerns. Traffic engineering studies assess factors such as traffic speeds and volumes, restricted sight lines and collision experience in determining the benefits for implementing an all-way stop.

All-way stops are not typical on Regional roads but can be effective to address specific safety concerns

All-way stops are generally considered at intersections of two lower volume roadways with relatively similar traffic volumes and operating characteristics on all approaches. Given the reduced traffic volumes that can be accommodated through an all-way stop controlled intersection; they are ordinarily more appropriate for local roads.

Traffic controls on Regional roads typically include intersections with two-way stop control with stop control on the minor street only, or traffic signals. The Traffic Signal Policy, approved by Council in 2015, determines when a stop controlled intersection is to be converted to traffic signals.

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4. Analysis and Options

Overall safety and existing traffic operations can be enhanced at the intersection of Dalton Road and Baseline Road

Dalton Road and Baseline Road is a three-legged intersection and currently operates with a stop control only on Baseline Road and free-flow conditions on Dalton Road, as shown in Figure 1.

**Figure 1**  
**Intersection of Dalton Road and Baseline Road**



The main traffic movement is to travel from Baseline Road on to High Street via Dalton Road. Motorists on Baseline Road are having difficulty seeing southbound through vehicles on Dalton Road due to the high number of southbound right-turning vehicles which could obstruct their view, as shown in Figure 2.

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**Figure 2**  
**Illustration of Sight Line Obstruction**



A traffic engineering study was completed to review and identify the appropriate traffic control for this intersection

An independent consultant was retained to analyze the Dalton Road and Baseline Road intersection. The study concluded that overall safety of the intersection could be improved based on traffic flow patterns on the southbound approach.

It was observed on several occasions eastbound motorists attempting to turn in front of southbound through vehicles experienced difficulty assessing safe opportunities to turn. This concern is increased when trucks are making a southbound right to travel westbound on Baseline Road as their size further obstructs motorists' views.

An all-way stop will improve traffic safety at the intersection of Dalton Road and Baseline Road

An all-way stop control at Dalton Road and Baseline Road intersection would provide motorists turning onto Dalton Road a clear view of traffic in all directions and enable safe turning movements. Based on existing safety concerns regarding sight line obstruction, staff recommends implementing an all-way stop at this intersection.

## All-Way Stop Control Intersection of Dalton Road and Baseline Road Town of Georgina

In compliance with MTO's all-way stop implementation process, motorists would be notified of the change to an all-way stop using on-street signs advising of the changeover date.

Link to key Council-approved plans

This report links to the following Council-approved plans and policies:

### Regional Official Plan

- Ensure the efficient movement of goods and services in Regional centres and corridors through effective planning, urban design and infrastructure planning and deliver context sensitive infrastructure

### Vision 2051

- Include Livable Cities, Complete Communities and Interconnected Systems for Mobility through a network of complete streets
- An environment that fosters healthy living; is safe, accessible, inclusive and supportive

### 2015 to 2019 Strategic Plan

- Improve existing transportation network, enhance transit operations and improve employment potential lands

## 5. Financial Implications

The cost associated with implementing an all-way stop control at the intersection of Dalton Road and Baseline Road in the Town of Georgina is included in the 2016 Transportation Roads Operating Budget.

## 6. Local Municipal Impact

Town of Georgina staff is supportive of an all-way stop at the intersection of Dalton Road and Baseline Road.

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Dalton Road and Baseline Road Town of Georgina

7. Conclusion

Staff recommends implementing an all-way stop control at the intersection of Dalton Road and Baseline Road to enhance safety of the intersection.

For more information on this report, please contact Brian Titherington, Director, Roads and Traffic Operations at ext. 75901.

The Senior Management Group has reviewed this report.

May 26, 2016

Accessible formats or communication supports are available upon request

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