
HALDIMAND COUNTY

Report ENG-09-2019 All Way Stop - Sweets Corners Road and Lakeshore Road



For Consideration by Council in Committee on June 18, 2019

OBJECTIVE:

To seek Council approval to install an all way stop at the intersection of Sweets Corners Road and Lakeshore Road.

RECOMMENDATIONS:

1. THAT Report ENG-09-2019 All Way Stop - Sweets Corners Road and Lakeshore Road be received;
2. AND THAT the required by-law be presented for enactment to authorize the installation of an all way stop condition at the intersection of Sweets Corners Road and Lakeshore Road.

Prepared by: Kristopher R. Franklin, Manager, Engineering Services

Respectfully submitted: Tyson Haedrich, M. Eng., P. Eng., General Manager of Engineering & Capital Works

Approved: Donald G. Boyle, Chief Administrative Officer

EXECUTIVE SUMMARY:

The Council approved All Way Stop Installation Warrant Policy provides staff with a consistent way of addressing requests for all way stops.

While the criteria in the All Way Stop Installation Warrant Policy are not met for this location, staff are recommending that an all way stop at the intersection of Sweets Corners Road and Lakeshore Road be implemented to improve safety at the intersection.

BACKGROUND:

The intersection of Sweets Corners Road and Lakeshore Road occurs at a bend in Lakeshore Road resulting in a Y-intersection (see Attachment 1) with a stop condition on Sweets Corners Road. This configuration makes it difficult for drivers to determine right-of-way at the intersection, particularly for vehicles heading eastbound on Lakeshore Road and turning left onto Sweets Corners Road.

Haldimand County Roads Operations staff and local residents have identified the confusion with the alignment caused by the bend as a possible safety issue.

ANALYSIS:

Haldimand County's All Way Stop Installation Warrant Policy No. 2007-03 (see Attachment 2) provides criteria to assess all way stop condition factors such as posted speeds, intersection layout and traffic volumes.

Staff have used the policy to evaluate the requested all way stop at Sweets Corners Road and Lakeshore Road. There are two parts to the warrant. All of the warrants in Part One must be satisfied to continue with Part Two. All of the warrants in Part Two must be satisfied to justify an all way stop.

The results of the all way stop evaluation are as follows:

Part One – Consideration:

For a warrant to be considered, all of the following conditions must be satisfied :

1. Minimum posted speed – *satisfied (50 km/h)*
2. Closest traffic control device – *satisfied (more than 250 metres away)*
3. Intersection configuration – *satisfied*
4. Arterial intersections – combined volume of vehicles and pedestrians from minor street - *not applicable*
5. Secondary intersections - combined volume of vehicles and pedestrians from minor street – *not satisfied – Sweets Corners is 13% of total volume (35% required)*

As Item 5 under Part One – Consideration has not been met, the warrants are not considered satisfied and an all way stop condition is not recommended based on the traffic volume split in Item 5.

While the Part One requirements of the warrant are not met, County staff are recommending that an all way stop (see Attachment 3) be implemented at this location for the following reasons:

- Haldimand County Roads Operation staff have identified a public safety concern at this intersection due to the alignment of Lakeshore Road at the intersection.
- County staff have evaluated the intersection and determined that an all way stop will effectively resolve the issues related to right-of-way at the Y-intersection.
- County staff have reviewed the traffic volumes and concluded that the installation of an all way stop condition at this location will not negatively impact traffic flow.

FINANCIAL/LEGAL IMPLICATIONS:

Roads Operations will be responsible for installing the required signage. The estimated cost is approximately \$500 and will be funded from the Road Operations regulatory/warning signage operating account.

STAKEHOLDER IMPACTS:

Not applicable.

REPORT IMPACTS:

Agreement: No

By-law: Yes

Budget Amendment: No

Policy: No

ATTACHMENTS:

1. Existing Conditions – Sweets Corners Road and Lakeshore Road
2. All Way Stop Installation Warrant Policy No. 2007-03
1. Proposed All Way Stop – Sweets Corners Road and Lakeshore Road