
HALDIMAND COUNTY

Report ECW-23-2019 All Way Stop Request - Nairne Street and Orkney Street East - Caledonia



For Consideration by Council in Committee on November 19, 2019

OBJECTIVE:

To provide Council with a recommendation in response to an all way stop request at the intersection of Nairne Street and Orkney Street East in Caledonia.

RECOMMENDATIONS:

1. THAT Report ECW-23-2019 All Way Stop Request - Nairne Street and Orkney Street East - Caledonia be received;
2. AND THAT the request for an all way stop at the intersection of Nairne Street and Orkney Street East, Caledonia be denied as it does not meet the All Way Stop Installation Warrant.

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

Approved: Craig Manley, MCIP, RPP, Chief Administrative Officer

EXECUTIVE SUMMARY:

Staff have reviewed the request for an all way stop at the intersection of Nairne Street and Orkney Street East using the County's All Way Stop Installation Warrant Policy. Based on the policy the intersection does not meet two of the five conditions required for consideration of an all way stop and staff are therefore recommending that an all way stop not be implemented at this location.

BACKGROUND:

At the September 17, 2019 Council in Committee meeting staff were given direction through the following resolution:

"THAT staff be directed to report back to Council in Committee regarding the installation of an all way stop at the intersection of Nairne Street and Orkney Street East in Caledonia."

Under the existing conditions, Orkney Street East is a through road and Nairne Street has a stop condition at Orkney Street East forming a T-intersection (see Attachment 1). It should also be noted that St. Patrick's School (Grades K-8) is located at the south east corner of the intersection and that Orkney Street East has sidewalks on both sides of the street and Nairne Street has a sidewalk on the east side.

The purpose of this report is to evaluate the request for an all way stop at the intersection of Nairne Street and Orkney Street East using the County's All Way Stop Installation Warrant Policy (see Attachment 2) and provide a recommendation to Council regarding the requested all way stop.

ANALYSIS:

Haldimand County's All Way Stop Installation Warrant Policy No. 2007-03 provides criteria that must be met in order to consider an all way stop installation such as posted speeds, intersection layout and traffic volumes.

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*.
2. Closest traffic control device – *not satisfied*. *The signal lights at Argyle Street North and Orkney Street East are 215 metres away. The closest traffic control device for a secondary intersection must be 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 – Nairne Street is less than 25% of total volume - estimated*.

As Items 2 and 5 under Part One – Consideration are not satisfied, the warrants are not met and an all way stop condition should not be implemented.

It should be noted that the evaluation is a two step process and if it did proceed to Part Two – Warrants the traffic volumes at this intersection would not warrant the installation of an all way stop.

FINANCIAL/LEGAL IMPLICATIONS:

Not applicable.

STAKEHOLDER IMPACTS:

Not applicable.

REPORT IMPACTS:

Agreement: No

By-law: No

Budget Amendment: No

Policy: No

ATTACHMENTS:

1. Map showing the requested all way stop location.
2. All Way Stop Installation Warrant Policy No. 2007-03.