
HALDIMAND COUNTY

Report PW-ES-12-2018 Replacement of Yield Signs with Stop Signs For Consideration by Council in Committee on June 19, 2018



OBJECTIVE:

To seek Council approval to replace yield conditions with stop conditions at thirty-four T-intersections in Haldimand County.

RECOMMENDATIONS:

1. THAT Report PW-ES-12-2018 Replacement of Yield Signs with Stop Signs be received;
2. AND THAT the required Stop Control By-laws be presented to Council for enactment.

Respectfully submitted: Tyson Haedrich, M. Eng., P. Eng., Director Engineering Services

Approved: Donald G. Boyle, Chief Administrative Officer

EXECUTIVE SUMMARY:

The Highway Traffic Act (HTA) allows municipalities to enact a variety of traffic control devices including stop signs for roadways under their jurisdiction.

In order to create County-wide consistency in the traffic control signage at T-intersections, staff are recommending that the thirty-four intersections with yield signs be converted to stop signs. This change will create consistency and reduce any ambiguity regarding right-of-way for drivers.

BACKGROUND:

Staff have reviewed all intersections currently controlled by yield conditions and have identified thirty-four T-intersections with yield conditions. Staff also reviewed the existing traffic control signage at T-intersections across the County to determine a consistent approach to intersection signage.

In the past staff have changed yield signs to stop signs at T-intersections which were identified as part of construction projects or brought forward by members of the public through their local Councilor. The intent of this report is to deal with the conversion of the remainder of the yield signs at T-intersections in the County.

ANALYSIS:

Ontario Traffic Manual Book 5 Regulatory Signs is a reference manual published by the Ministry of Transportation that provides warrants and guidelines for the installation and use of regulatory signs. This manual provides the guidelines for yield and stop conditions that were used in the intersection evaluations.

In general, the OTM states that before using yield signs as a substitute for stop signs, consideration must be given to its suitability in relation to traffic volume, speed, sight distance along the main road onto which vehicles merge and collision record of the intersection related to right-of-way.

The OTM also states that the purpose of a stop sign is to clearly assign right-of-way between vehicles approaching an intersection from different directions when traffic signals are not warranted or not yet installed and it has been determined that a yield sign is inadequate.

Based on the OTM criteria and the general rule that consistency in signage helps drivers navigate the streets, staff have identified thirty-four T-intersections with yield signs that are recommended to be converted to stop signs. The thirty-four T-intersections with yield signs include seventeen in Caledonia, three in Cayuga, two in Hagersville, five in Jarvis and seven in rural areas as follows:

Caledonia T-Intersections with Yield Signs

Street	Intersection (At)	Direction
Balmoral Court	Ayr Street	Westbound
Burns Place	Heddle Street	Westbound
Cayuga Street	King William Street	Northbound
Cayuga Street	King William Street	Southbound
Dumfries Street	MacKenzie Crescent	Southbound
Glenmor Drive	MacCrae Drive	Northbound
Leith Court	Morrison Drive	Northbound
MacColl Place	Glenmor Drive	Southbound
MacGregor Place	Fraser Street	Southbound
McNab Place	Heddle Street	Westbound
Munro Court	Ross Street	Westbound
Park Lane	Inverness Street	Eastbound
Pauline Avenue	Selkirk Street	Eastbound
Peebles Street	Forfar Street West	Northbound
Renfrew Street	Forfar Street West	Northbound
Seneca Street	King William Street	Northbound
Thorburn Place	Heddle Street	Eastbound
Wallace Place	Heddle Street	Westbound

Cayuga T-Intersections with Yield Signs

Street	Intersection (At)	Direction
Echo Street East	Monture Street North	Eastbound
Johnson Street	Echo Street East	Northbound

King George Street	Maple Road	Eastbound
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Hagersville T-Intersections with Yield Signs

Street	Intersection (At)	Direction
Quarry Street	Porter Street	Eastbound
Wardell Crescent	Hewitt Drive (North Leg)	Eastbound

Jarvis T-Intersections with Yield Signs

Street	Intersection (At)	Direction
Cabot Court	Marley Crescent	Eastbound
Champlain Court	Marley Crescent	Northbound
Lions Court	John Street	Eastbound
Michael Court	Lafayette Street	Southbound
Reynolds Court	John Street	Eastbound

Rural T-Intersections with Yield Signs

Street	Intersection (At)	Direction	Area
Concession 1 Road South	Hald-Dunn Townline Road	Eastbound	North Cayuga
Concession 2 Road South	Hald-Dunn Townline Road	Eastbound	North Cayuga
Hald-Dunn Townline Road	River Road	Northbound	South Cayuga
King Avenue	John Street	Eastbound	York
Mount Olivet Road	Richert Road	Westbound	South Cayuga
Reicheld Road	Lakeshore Road	Southbound	Rainham
Sutor Road	River Road	Southbound	South Cayuga

During the staff review, it was noted that a number of the T-intersections were located on very short cul-de-sacs. Staff have taken this into consideration and are recommending that all cul-de-sacs, regardless of length, be controlled by stop signs to ensure consistency.

It should also be noted that the generally accepted use of a yield sign at merge intersections will remain in place as this is the expected signage for drivers. Two examples of these types of intersections are heading west on Haldimand Road 9 and merging onto River Road and heading south on Haldimand Road 17 and merging onto Highway 3 north of Dunnville.

FINANCIAL/LEGAL IMPLICATIONS:

The Roads Operations Division will supply the required signage and line painting.

STAKEHOLDER IMPACTS:

Not applicable.

REPORT IMPACTS:

Agreement: No

By-law: Yes

Budget Amendment: No

Policy: No

ATTACHMENTS:

1. Caledonia locations for replacement of yield signs with stop signs.
2. Cayuga locations for replacement of yield signs with stop signs.
3. Hagersville locations for replacement of yield signs with stop signs.
4. Jarvis locations for replacement of yield signs with stop signs.
5. Rural locations for replacement of yield signs with stop signs.