
HALDIMAND COUNTY

Report ENG-18-2023 Morgan Drive Pedestrian Crossover By-law and Parking Control By-law Update, Caledonia



For Consideration by Council in Committee on August 29, 2023

OBJECTIVE:

To establish a new pedestrian crossover on Morgan Drive in Caledonia.

RECOMMENDATIONS:

1. THAT Report ENG-18-2023 Morgan Drive Pedestrian Crossover By-law and Parking Control By-law Update, Caledonia be received;
2. AND THAT By-law 2374/22 be amended as outlined in Report ENG-18-2023;
3. AND THAT By-law 307/02 be amended as outlined in Report ENG-18-2023.

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

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Approved: Cathy Case, Interim Chief Administrative Officer

EXECUTIVE SUMMARY:

During the design review of the Urban Paving project on Morgan Drive in Caledonia, it was determined that the off street concrete pathway that connects Caledonia Avenue to McKinnon Park Secondary School meets with the criteria for a Level 2 Type D Pedestrian Crossover (PXO) as it crosses Morgan Drive.

A Type 2 Level D PXO includes a crosswalk with distinct pavement markings with side mounted crossover sign and does not include push button activated flashers.

The crossing was included in the scope of work for the Morgan Drive Urban Paving project and the implementation the PXO at this location requires an amendment to the Pedestrian Crossover By-law 2374/22 as well as corresponding amendments to the Parking Control By-law 307/02.

BACKGROUND:

In 2016, the Government of Ontario enacted Regulation 402/15 which established legislation related to Pedestrian Crossover (PXO's). Ontario Traffic Manual Book 15 and the Highway Traffic Act were also amended to reflect the controlled pedestrian crossings. Book 15 introduced various levels of Pedestrian Crossovers including required components such as signage, stopping/parking restrictions and road marking requirements.

Haldimand County has installed seven Level 2 Type B/C PXO's at various locations throughout the County since 2020 with an additional six Level 2 Type B/C PXO's to be installed in 2023.

During the design review of the Urban Paving project on Morgan Drive in Caledonia, the existing off street concrete pathway that connects McKinnon Park Secondary School to Caledonia Avenue was identified as it creates an uncontrolled pedestrian crossing at Morgan Drive (see Attachment 1).

The Morgan Drive crossing satisfies the criteria outlined in the Ontario Traffic Manual and a Level 2 Type D PXO is appropriate for this location. The installation of the PXO was included in the scope of work of the Urban Paving project and the implementation requires an amendment to the Pedestrian Crossover By-law 2174/22 and the corresponding parking restrictions require an amendment to the Parking Control By-law 307/02.

ANALYSIS:

Pedestrian Crossover (PXO) By-law

The Ontario Traffic Manual Book 15 introduced warrants for various levels of Pedestrian Crossovers including required components such as signage, stopping/parking restrictions and road marking requirements.

- A Level 2 Type B PXO is a crosswalk with distinct pavement markings, a side mounted and overhead mounted crossover sign and a rapid rectangular flashing beacon.
- A Level 2 Type C PXO is a crosswalk with distinct pavement markings, a side mounted crossover sign and a rapid rectangular flashing beacon.
- A Level 2 Type D PXO is a crosswalk with distinct pavement markings and a side mounted crossover sign.

The warrants for a Level 2 Type D PXO are satisfied at the Morgan Drive location and require the following amendment to the Pedestrian Crossover By-law 2374/22;

Pedestrian Crossover By-law 2374/22 Schedule "A" to add

Urban Area	Road	Intersection / Location	Level	Type
Caledonia	Morgan Drive	Between # 26 and #28 Morgan Drive	2	D

No Stopping Zone By-law Amendments

The Ontario Traffic Manual (OTM) Book 15 provides warrants and requirements for Pedestrian Crossovers to ensure the signage, road markings and parking restrictions are applied consistently across the Province.

OTM Book 15 requires No Stopping zones for a minimum of 15 metres approaching a PXO and 10 metres following a PXO to ensure pedestrians are visible to oncoming traffic. It also recommends extending that to 30 metres approaching a PXO and 15 metres following a PXO, whenever possible. The required No Stopping zones at the Morgan Drive PXO location are shown in Attachment 1.

To create the required No Stopping zones at the Morgan Drive PXO location the following amendments to Haldimand County Parking Control By-law 307/02 are required:

Parking Control By-law 307/02 Schedule “B” No Stopping – Caledonia to Add

Street	Side	From	To	Period
Morgan Drive	North	20 metres west of Morgan Court	A point 40 metres westerly	Anytime
Morgan Drive	South	35 metres west of Morgan Court	A point 30 metres westerly	Anytime

FINANCIAL/LEGAL IMPLICATIONS:

The installation of the pedestrian crossover is included in the scope of work for the Urban Paving project on Morgan Drive.

STAKEHOLDER IMPACTS:

Not applicable.

REPORT IMPACTS:

Agreement: No

By-law: Yes

Budget Amendment: No

Policy: No

REFERENCES:

None.

ATTACHMENTS:

1. Morgan Drive Pedestrian Crossover Location