



## **Administrative Report**

### **Office of the Manager, Transportation Planning and Development**

**To:** Warden McNamara and Members of Essex County Council

**From:** Jerry Behl, P.Eng.  
Manager, Transportation Planning and Development

**Date:** Wednesday, July 20, 2022

**Subject:** County Road 34 and County Road 27 Intersection Analysis

**Report #:** 2022-0720-ISD-R19-JB

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#### **Purpose**

The purpose of this report is to provide Council with information regarding a review of the intersection of County Road 34 (CR 34) and County Road 27 (CR 27) and recommend measures to improve safety.

#### **Background**

On Tuesday May 24, 2022 The Director of Infrastructure and Planning received a letter from The Kingsville Police Services Board informing the County of the following resolution:

“Moved by W. Chisholm, seconded by B. Baird that a letter be sent from Police Services Board Chair to the County of Essex to support a 4-way stop with a flashing light at the County Road 34 and County Road 27 intersection in Cottam.”

A copy of the letter and resolution are attached as Appendix A.

#### **Discussion**

Administration reviewed the intersection geometry and operation. A site visit to check sight lines and geometry, a review of the collision history and analysis of alternative control measures for the intersection was completed.

## Existing Conditions

A map showing the existing intersection of CR 34 and CR 27 is shown below in Figure 1.



**Figure 1**

The intersection of CR 34 and CR 27 is in the center of Cottam. Currently this is a two-way stop controlled intersection with the stop signs on CR 27. Street lights have been already installed at the intersection to illuminate the area. An existing building structure at northwest corner of the intersection, restricts the driver's sight lines. A similar problem with the parked vehicles on southwest corner, has recently been alleviated using concrete barriers. The existing traffic signs meet technical guidelines for size and location and no geometric problems such as curves were noted. The posted speed limit is 50 km/h on both County Roads.

## Review

Administration completed an analysis for installing an all-way stop in accordance with the Ontario Traffic Manual, and found that an all-way stop is warranted at this location.

## **Recommended Countermeasures**

An all-way stop at the intersection of CR 34 and CR 27 should be installed. Following installation of an all-way stop Administration should continue to monitor the safety and operation of the intersection as traffic patterns may change due to the Highway 3 widening work currently being undertaken.

As the speed limit is posted at 50 km/h, in accordance with the Ontario Traffic Manual oversize signs are not recommended. Due to the lower speed, and good visibility of signs, flashing beacons are not recommended at this time.

## **Financial Implications**

The cost of implementing the recommended measures is under \$10,000 and can be managed within the approved Intersection Safety Improvement budget, should County Council wish to proceed. The measures can be implemented within a month.

## **Consultations**

Consultation with Infrastructure Services staff, including the County Traffic Engineer and OPP have taken place.

## **Recommendation**

That Essex County Council adopt By-law #2022-22, amending the Traffic and Parking By-law #26-2002, to implement an all-way stop at the corner of County Road 34 at County Road 27.

## **Approvals**

Respectfully Submitted,

*Jerry Behl*

Jerry Behl, P.Eng., Manager, Transportation Planning and Development

Concurred With,

*Allan Botham*

Allan Botham, P.Eng., Director, Infrastructure and Planning Services

Respectfully Submitted,

*Jerry Behl*

Jerry Behl, P.Eng., Manager, Transportation Planning and Development

Concurred With,

*Mike Galloway*

Mike Galloway, MBA, CMO, Chief Administrative Officer

<b>Appendix Number</b>	<b>Title</b>
Appendix A	Letter – Town of Kingsville