



Administrative Report

To: Warden MacDonald and Members of Essex County Council

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

Date: Wednesday, May 7, 2025

Subject: County Road 42 and Renaud Line Road Traffic Review

Report #: 2025-0507-IPS-R11-JB

Purpose

The purpose of this report is to provide County Council with results on traffic review carried on County Road 42 and Renaud Line in the Municipality of Lakeshore.

Background

At its Wednesday, October 16, 2024 meeting, Essex County Council supported correspondence from the Municipality of Lakeshore regarding their resolution:

Resolution 306-09-2024:

"Be it resolved that the Council of the Municipality of Lakeshore request that the County of Essex complete a traffic review for the corner of Renaud Line Rd. and County Road 42;

And that the follow-up report include data over the past 5 years relating to accidents, traffic volumes, and recommended improvements to improve traffic flows and safety".

The Intersection of County Road 42 and Renaud Line Road is located in the Municipality of Lakeshore. Our network screening results show the intersection is ranked 56th in the County of Essex for potential safety improvements.

County Road 42 runs east-west while Renaud Line is located on the north leg and Lakeshore Rd 113 is located on the south leg of the intersection. It is a two-way stop-controlled intersection with stop controls on the north and south legs, as well as flashing beacons located above the intersection

flashing in all directions. Large stop signs are located at the north and south legs of the intersection with “**stop ahead**” signs located in advance of the intersection. County Road 42 has a posted speed limit of 80 km/h through the intersection while Renaud Line has a posted speed limit of 50km/h. Lakeshore Rd 113 has a posted speed limit of 60km/h.

Figure 1



Figure 1: County Road 42 approaching Eastbound at Renaud Line / Lakeshore 113 Intersection

Discussion

Administration has carried out a traffic review of the intersection. The review included:

- Collision history
- Collection of traffic data
- Intersection analysis, a review of geometry and sightlines
- Analysis and warrants for a four way stop and traffic signal
- Review of existing signs and markings

The review found that the existing two way stop control is the appropriate method of control at this intersection at this moment, therefore, no change is recommended.

There is significant development proposed to the north of this intersection, and terms of reference for traffic impact studies are currently being

determined for the developer's engineer. Completed traffic impact studies submitted by the developer will inform the type of intersection control and lanes required at this intersection in the future.

Large stop signs and overhead flashing beacons are present at this intersection. Moving the "**stop ahead**" sign on the north leg (Renaud Line) further away from the intersection is a minor modification that will be implemented. This will give drivers a little more time to react and stop.

Financial Implications

The relocation of the existing "**stop ahead**" sign will be carried out by County maintenance staff, within the 2025 budget.

Consultations

County Administration consulted with the Administration from the Municipality of Lakeshore.

Strategic Plan Alignment

Working as Team Essex County	Growing as Leaders in Public Service Excellence	Building a Regional Powerhouse
☐ Scaling Sustainable Services through Innovation ☒ Focusing "Team Essex County" for Results ☐ Advocating for Essex County's Fair Share	☒ Being an Employer with Impact ☒ A Government Working for the People ☒ Promoting Transparency and Awareness	☒ Providing Reliable Infrastructure for Partners ☐ Supporting Dynamic and Thriving Communities Across the County ☐ Harmonizing Action for Growth ☐ Advancing Truth and Reconciliation

Recommendation

That Essex County Council receive report number 2025-0507-IPS-R11-JB, Renaud Line Road and County Road 42 as information.

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

Concurred With,

Sandra Zwiers

Sandra Zwiers, MAcc, CPA, CA, Chief Administrative Officer

Appendix	Title
N/A	N/A