



## **Administrative Report**

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

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

**Date:** Wednesday, October 15, 2025

**Subject:** Road Safety Management Program Plan

**Report #:** 2025-1015-IPS-R25-JB

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### **Purpose**

The purpose of this report is to provide an update on the County's Road Safety Management Program.

### **Background**

There are numerous requests for safety reviews at locations throughout the County. Resources are directed to respond to requests, as determined by the Director of Infrastructure & Planning Services, in consideration of legislated requirements/compliance, Council direction, best management practices, recommendations from engineers and need.

The County's network of roads has 1084 intersections and 1085 interconnecting segments. To establish a base plan and awareness, the complete network was screened in February 2025. The screening process at that time included an analysis of collision data, and prioritized locations based on their potential for safety improvement.

### **Discussion**

Administration brought forward a Road Safety Management Program on April 16, 2025, under report 2025-0416-IPS-R09-JB. The Road Safety Management Program is based on industry best practices and follows four stages:

1. Identify Safety Opportunities
2. Develop Potential Safety Solutions
3. Select and Implement Strategies
4. Safety Measure Evaluation

The program is progressing as described in more detail as follows:

**1. Identify Safety Opportunities (completed)**

A network screening has been completed by a specialized consultant to analyze all road segment links and intersections. This analysis considered: severity of collisions, traffic volume and predicted collisions based on comparison with similar sites. The outcome of the screening is a ranked list of locations based on their potential for safety improvement. A screening refresh is recommended on a 5-year cycle.

**2. Develop Potential Safety Solutions (completed)**

Administration has completed a review of the top ten ranked intersections and the top ten ranked road segments. In collaboration with a specialist consultant, the following activities were undertaken:

- **Collision Data Review** – Analysis of data to identify patterns related to accident type, time of day, and weather conditions.
- **Site Inspections** – Field assessments to evaluate road geometry, signage, and sight lines.
- **Options Analysis** – Discussions to identify and consider potential improvement measures.

A summary list of the intersections and road segments reviewed is provided in Tables 1 and 2.

**Table 1 – Intersections Reviewed**

<b>INTERSECTIONS</b>
County Road 18 @ County Road 31
County Road 19 @ Baseline Road
County Road 19 @ County Road 22
County Road 22 @ County Road 42 / Myers Road
County Road 22 @ Lesperance Road
County Road 27 @ County Road 46
County Road 34 @ County 37 / Mersea Road 19
County Road 18 @ County Road 34

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<b>INTERSECTIONS</b>
County Road 43 @ Baseline Road
County Road 34 @ Mersea Road 12

**Table 2 – Road Segments Reviewed**

<b>ROAD SEGMENTS</b>
County Road 2 Between County Road 19 & Green Valley
County Road 2 Between Poisson Street & Shawnee Road
County Road 2 Between Shawnee Road & Southfield Drive
County Road 19 Between Baseline Road & Walls Road
County Road 19 Between County Road 42 & Little Baseline Road
County Road 20 Between Fraser Road & Pinecrest Drive
County Road 29 Between Road 2 & Road 3
County Road 34 Between County Road 37 & Mersea Road 21
County Road 34 Between Crest View Drive & Fraser Road
County Road 42 Between County Road 22 & County Road 27

**3. Select and Implement Strategies (underway)**

Administration is currently reviewing the consultant’s preliminary recommendations and potential countermeasures to be followed by technical analyses, such as warrant assessments for four-way stops and traffic signals. Following this review, Administration will evaluate the costs, effectiveness, and implementation timelines of each option. Some recommendations will be implemented this year, while others will proceed to implementation in 2026.

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In addition to the review of the top 10 intersections and road segments, Council has directed Administration to proceed with design of traffic signals at the following locations, and that work is underway:

- County Road 9 and Alma Street
- County Road 20 and County Road 23
- County Road 20 And Martin Lane

#### **4. Safety Measure Evaluation**

Following implementation of any counter measures, road segments and intersections will be monitored regularly for collisions to assess the effectiveness of the modifications.

### **Financial Implications**

There are no immediate financial impacts, as the work is being completed within the approved 2025 Road Safety budget, which includes an allocation of \$400,000 for the design and construction of road safety improvements.

Administration has also proposed \$400,000 in the 2026 Budget for design and construction of road safety measures, such as enhanced signage, pavement markings, improved illumination, or minor intersection modifications.

In addition, two traffic signal projects were submitted for consideration in the 2026 Budget at the following locations:

- County Road 20 and County Road 23
- County Road 20 and Martin Lane

Each traffic signal installation is estimated at approximately \$500,000. At present, there are no levy funds or dedicated reserve funds identified to support these significantly incremental costs. While alternative, lower-cost countermeasures may be considered, they may not be as effective as full signalization.

As identified in this report, the Road Safety Management Program is an ongoing program that will generate recommendations annually. If traffic signals are to be pursued as a preferred solution, Council will need to consider a sustainable funding approach, such as establishing dedicated

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reserves or annual levy contributions. Deliberation of these requirements will be accommodated through the 2026 Budget process.

As Stage 3, *Select and Implement Strategies*, advances in 2026, further recommendations will be brought forward and incorporated into future budgets on an ongoing basis.

**Consultations**

Director, Infrastructure & Planning Services  
 CIMA+, consulting engineers

**Strategic Plan Alignment**

<b>Working as Team Essex County</b>	<b>Growing as Leaders in Public Service Excellence</b>	<b>Building a Regional Powerhouse</b>
<ul style="list-style-type: none"> <li><input type="checkbox"/> Scaling Sustainable Services through Innovation</li> <li><input checked="" type="checkbox"/> Focusing "Team Essex County" for Results</li> <li><input type="checkbox"/> Advocating for Essex County's Fair Share</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Being an Employer with Impact</li> <li><input checked="" type="checkbox"/> A Government Working for the People</li> <li><input type="checkbox"/> Promoting Transparency and Awareness</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Providing Reliable Infrastructure for Partners</li> <li><input type="checkbox"/> Supporting Dynamic and Thriving Communities Across the County</li> <li><input type="checkbox"/> Harmonizing Action for Growth</li> <li><input type="checkbox"/> Advancing Truth and Reconciliation</li> </ul>

**Recommendation**

That Essex County Council receive report number 2025-1015-IPS-R25-JB, Road Safety Management Program Plan as information.

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## 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

<b>Appendix</b>	<b>Title</b>
N/A	N/A