



**THE CORPORATION OF THE TOWN OF AMHERSTBURG**  
**OFFICE OF ENGINEERING & INFRASTRUCTURE SERVICES**

*MISSION STATEMENT: Committed to delivering cost-effective and efficient services for the residents of the Town of Amherstburg with a view to improve and enhance their quality of life.*

<b>Author's Name: Todd Hewitt</b>	<b>Report Date: January 24, 2023</b>
<b>Author's Phone: 519 736-3664 ext. 2313</b>	<b>Date to Council: February 21, 2023</b>
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**To: Mayor and Members of Town Council**

**Subject: Meloche Road / County Road 18 - Intersection Upgrades**

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**1. RECOMMENDATION:**

It is recommended that:

1. The report from the Manager of Engineering regarding the Meloche Road/County Road 18 – Intersection Upgrades **BE RECEIVED for information.**

**2. BACKGROUND:**

At the January 9<sup>th</sup> 2023 Council meeting the following motion was passed:

*That Administration **BE DIRECTED** to bring back a report on a signalized intersection and/or crosswalk at the intersection of Simcoe and Meloche Roads.*

This intersection falls within the Town's connecting link agreement with the County of Essex. The County of Essex is a stakeholder in the Transportation Masterplan and will be consulted as part of the review of this intersection but the Town is responsible for any costs associated with intersection upgrades.

**3. DISCUSSION:**

The intersection of Meloche Road and County Road 18 has been the topic of many conversations within Council Chambers as it relates to the perceived safety of the intersection and the need for improvements. These safety concerns are often related to the proximity to the Libro Centre, the age of persons using the Libro centre (children), traffic volumes and traffic speeds.

There are a number of options the Town can take with respect to this intersection:

- Do nothing and leave as is
- Install a pedestrian crosswalk
- Install full signalization and intersection improvements
- Install a roundabout to assist with the flow and pace of traffic
- Install traffic calming measures to slow traffic.

In 2022, Council approved funding to complete a Traffic Masterplan (TMP) and on August 8<sup>th</sup>, 2022 approved an agreement with TYLin to complete this work. The public consultation has now commenced for the Masterplan with the goal of completion by fall 2023.

Administration requested a proposal from TYLin to complete a detailed review and safety analysis of the Meloche Road County Road 18 intersection in conjunction with the TMP.

This review would include:

- **Preliminary Coordination:** meeting with Town staff to confirm scope and background context.
- **Field Visit & Safety Analysis:** visit to evaluate potential safety or operational risks surrounding the intersection
- **Data Collection:** Counts will be collected at the intersection of Meloche Road & Simcoe Street (County Road 18) + additional counts upstream at each approach to determine how nearby circulation affects the usage. These counts can also provide value in better calibrating TMP analysis for the area.
- **Safety Analysis:** Evaluate collision, speed, and volume data to measure intersection performance against operational and subjective safety indicators. The safety review will consider measures to improve speed management along County Road 18, east of Meloche Road, where the speed limit reduces approaching the urban boundary.
- **Capacity Analysis:** Technical analysis that will assess existing and future intersection capacity analysis and evaluate up to three (3) alternatives based on feedback received through the TMP.
- **Solution Development:** Refinement and conceptual design of the preferred solution will be included in public consultation for feedback through the TMP process prior to finalizing short- and long-term recommendations.
- **Documentation:** The results of the intersection control study will be incorporated into the TMP final report.

If it is the desire of Council to proceed with upgrades to this intersection, Administration recommends that the proposal by TYLin be accepted and:

1. A detailed review of Meloche Road / County Road 18 intersection be added to TYLin International Canada Inc. (TYLin) scope as part of the Traffic Masterplan at a cost not to exceed \$15,265 (including net HST), and;
2. An additional \$15,265 is added to the 2023 operational budget under Public Works / Professional Fees to fund this review

This work will allow for a review not only of current conditions but also a look forward to future traffic and active transportation demands with recommendations for immediate and future improvements if required.

**4. RISK ANALYSIS:**

Approving intersection upgrades without detailed analysis and recommendations could result in an intersection that does not operate to capacity and public criticism for making decisions based on perception.

**5. FINANCIAL MATTERS:**

TYLin has provided an estimated additional cost of \$15,265 (Including net HST) to complete a detailed review of the Meloche Road / County Road 18 intersection. This additional funding can be added to the 2023 operational budget under Public Works – Professional Fees. Funds that are required to implement recommendations can be included in future budgets for Council consideration.

As this intersection falls within the boundaries of the Connecting Link agreement that the Town has with the County of Essex any costs related to improvements are the responsibility of the Town.

**6. CONSULTATIONS:**

Brandon Orr - TYLin International Canada Inc.

**7. CONCLUSION:**

This report regarding the intersection of Meloche Road and County Road 18 is provided for information.



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Todd Hewitt  
**Manager of Engineering**

## Report Approval Details

Document Title:	2023 02 21 - Meloche Road - County Road 18 Intersection Upgrades.docx
Attachments:	
Final Approval Date:	Feb 15, 2023

This report and all of its attachments were approved and signed as outlined below:



Tracy Prince



Valerie Critchley



Kevin Fox