



Date: June 27, 2022
To: Mayor and Council
Author: Tim Del Greco, Manager of Engineering
RE: Road 3 East – Asphalt Overlay
Report No.: IED 2022 – 23

INFORMATION REPORT

BACKGROUND

In 2020, Enbridge Gas Inc., completed installation of a new gas main on Road 3 East between County Road 29 and Graham Sideroad. Road 3 East sustained damage throughout the duration of this project, and as a result, Enbridge compensated the Town for resurfacing. The compensation covered the cost of resurfacing the road to pre-existing condition, that being a tar and chip roadway.

Shepley Road Maintenance Ltd., completed the resurfacing in October of 2020.

DISCUSSION

During the summer heat of 2021, Road 3 East from County Road 29 to the Cronos facility (609 Road 3 East) experienced heavy “flushing”. Flushing is a term used to describe the movement of asphalt emulsion (tar) upwards through the aggregate to the surface of the roadway. Flushing reduces friction and skid resistance and may eventually lead to premature failure of the roadway. It is difficult to determine the cause of flushing, however possibilities include:

- Issues with aggregate used (dirty, too soft, incorrect application rate, etc.).
- Issues with the emulsion (quality, curing rate, etc.).
- Heavy or high volume traffic.
- Environmental issues.

Shepley has committed to compensating the Town for an additional lift of tar and chip under warranty. There is concern however that the road may flush again under traffic loads. Road 3 East experiences high volume traffic for a tar and chip roadway, including farm equipment and large trucks.

Installing an asphalt overlay over the existing roadway is an alternative and improved option. In this scenario, Shepley would provide the Town with an equivalent credit for one lift of tar and chip, and the Town would fund the remaining cost. However, it should be noted this option would be considered a repair intended to extend the life of Road 3 East until proper reconstruction can be completed. Reconstruction is a recommended initiative in the current draft Transportation Master Plan.

Kingsville awarded Coco Paving Inc. with the 2022 asphalt resurfacing tender. Coco was the low bidder and the Town has secured the necessary insurance documents, performance bonds, and labor and material bonds. Additional work or changes to this tender is administrated via a change order.

On June 17, 2022, the Town issued a change order to Coco Paving for the aforementioned overlay. There was concern about deferring this work until the next Regular Meeting of Council considering the current road condition and potential for further damage to the road, as well as potential danger to the motoring public. As well, the Town was receiving complaints from motorists about tar tracking on their vehicles. Kingsville's Procurement Policy does allow for emergency procurement. The policy states the following in this regard:

"Exceptions to Procurement Procedures"

....where an emergency situation occurs requiring immediate purchase of goods and services essential to the prevention of safety hazards, serious delays, and further damage, or to restore minimum services....

FINANCIAL CONSIDERATIONS

Shepley has committed to providing the Town with a credit in the amount of \$44,000.

An asphalt overlay, including shouldering, is estimated to be \$275,000, or \$231,000 after credit. The cost of the overlay would be paid out using the unit rates in the 2022 asphalt resurfacing tender as awarded to Coco. The final cost of the overlay will be determined after the work is complete and the actual quantities measured.

There is sufficient surplus in the 2022 road resurfacing budget to cover the \$231,000 overlay cost.

ENVIRONMENTAL CONSIDERATIONS

None.

CONSULTATIONS

Kingsville Administration

PREPARED BY:



Tim Del Greco, P.Eng
Manager of Engineering

REVIEWED BY:



G.A. Plancke, Civil Eng. Tech (Env.)
Director of Infrastructure and Engineering

LINK TO STRATEGIC PLAN

To become a leader in sustainable infrastructure renewal and development.

Link to Council 2021-2022 Priorities

- ☐ COVID-19 and the health and safety of the community
- ☐ Customer Service: Training, Technology, Staff, Review Standards/Level of service
- ☐ Housing: Affordability (lot sizes, developer incentives, second dwellings, density, etc.)
- ☐ Greenhouse: lights & dark sky, odours (site plan compliance, bylaws, other tools)
- ☐ Programming Increase: Youth and Seniors
- ☐ A development plan for Downtown Kingsville / Main Street
- ☐ Financial savings: Schools closings, Migration Hall
- ☐ Economic Development: strengthen tourism/hospitality
- ☐ COVID - economic recovery
- ☐ Communications: Strategy – Policy (social media), Website refresh and other tools, Public engagement
- ☐ Housing: Migrant Worker Housing – Inspections (Building/Fire), regulate, reduce, or increase
- ☐ Committees / Boards: Review and Report
- ☐ Policy Update: Procedural Bylaw
- ☐ Economic Development: diversify the economy, create local jobs, industrial, Cottam
- ☐ Infrastructure (non-Municipal): Union Water expansion & governance

- ☒ Infrastructure (Municipal): Asset Management Plan update, the infrastructure funding deficit
- ☐ No direct link to Council priorities