

REPORT TO: Mayor and Members of Council Choose an item.

PREPARED BY: Brandon McLeod, Manager of Public Works

DEPARTMENT: Infrastructure & Operations

DIVISION: Public Works

MEETING DATE: December 4, 2024

SUBJECT: Asphalt Program 2025

PROPOSED MOTION

THAT Council receives the Asphalt Program 2025 report for information;

AND THAT Council pre-approve the Sylvan Road Reconstruction, and the Extension of Approaches on Nairn Road and Parkhill Drive, for \$799,720.00 in the 2025 capital budget;

STAFF RECOMMENDATION

THAT Council receives the Asphalt Program 2025 report for information;

AND THAT Council pre-approve the Sylvan Road Reconstruction, and the Extension of Approaches on Nairn Road and Parkhill Drive, for \$799,720.00 in the 2025 capital budget;

EXECUTIVE SUMMARY

Staff recommend joining Middlesex County paving tender in January 2025 advance of 2025 budget approval. Staff recommend starting the 2025 asphalt program on Sylvan Road between Townsend Line and Elm Tree Drive, because Middlesex County is paving three of their roads in North Middlesex. Staff are recommend to do 45mm lift of asphalt on Sylvan Road between Townsend Line and Elm Tree Drive. Staff also recommend doing the pre-construction by the Public Works Department on Sylvan Road before asphalt is put down.

Joining the Middlesex County tender process for paving in January offers the Municipality a better price, then Municipality can get tending their self. Staff doing the pre-construction work by the Public Works Department will help with the cost.

LINK TO STRATEGIC PRIORITIES

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Plans: To Support Robust Industrial, Commercial and Residential Growth By Developing A Safe And Secure Municipality

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BACKGROUND

North Middlesex’s hasn’t had any re-constructed done to our asphalt road in 6 years. Council and staff have identified road needs study in 2024 capital budget to identify our current road condition. This capital project has et to be competed. Staff have investigated Sylvan Road between Townsend Line and Elm tree Drive and have concluded that this section is in need of re-constructing. The deficiency on this section of road identified by staff include: bumps at the bridge and box culvert, pot holes, and multiple types of cracking (alligator, block, longitudinal, transverse, edge, and slippage). The current condition of this section of Sylvan Road doesn’t meet the current standard of class 4 road.

DISCUSSION

In order to procure the best price for the Municipality, staff recommend joining Middlesex County asphalt tender in 2025. County is planning to pave Townsend line which abuts Sylvan Road. Due to the close proximity, staff along with the assistance of County’s Engineering Supervisor, believe that cost saving will be approximately 10%. Outline below are the cost estimates for the project:

Description	
45mm lift of asphalt on Sylvan Rd between Townsend Line and Elm Tree Dr (4.20km)	\$437,000.00

Milling	\$10,000
Pulverize Sylvan Rd	\$11,000
Culverts Replacement	\$6,000
Shouldering	\$15,000
Sub-base Gravel (A gravel)	\$94,000
Sub-base Gravel (B gravel)	\$15,000
Equipment Rental	\$10,000
Replace Asphalt Troughs on Sylvan Rd hill	\$16,000
Approaches off Nairn Rd & Parkhill Dr	\$30,000
Sub Total	\$644,000
HST	\$83,720
Total	\$727,720
10% Contingency	\$72,000
Total	\$799,720

County is also completing paving on Nairn Road between Petty Street and Hwy 7 and Parkhill Drive between Victoria Street and Tow Road. Staff are recommending extending the approaches on Municipality’s roads off those section of roads to reduce the impact of acceleration has on our gravel roads (wash boarding).

Staff is planning to re-construct most the section of Sylvan Road in house for cost saving.

Staff are recommending that North Middlesex join the County tender in January to complete aforementioned section of Sylvan Road in 2025.

FINANCIAL

Preapproval

ATTACHMENT

Prepared By: Choose an item.

Our Values: **Community** **Integrity** **Innovation** **Collaboration** **Stewardship**

Reviewed By: Choose an item.

Reviewed By: Choose an item.

Approved By: Choose an item.