



Regular Council Meeting

To:	Mayor and Council
Date:	September 3, 2024
From:	Drew Hutchison, Engineering Technician Wayne Hancock, Director of Public Works
Report Number:	Public Works 2024-16
Subject:	Single Sourcing Larmer Line Culvert Relining

Recommendation:

That Council approve Single Source procurement as per section 5.6.2.d and 5.6.2.i of the Purchasing By-law No. 2020-22 for the Larmer Line Culvert Relining project to Carchidi Excavating in the amount of \$84,708.00, with a net municipal HST of \$1,490.86 for a total amount of \$86,198.86.

Overview:

At the August 12, 2024 Regular Council Meeting, D.M. Wills presented the 2024 Roads Needs Study to Council. This study included the 2024 Municipal Structure Inspection Program (OSIM) update. This inspection program included thirteen (13) structures that the Township is responsible for maintaining which are structural culverts that are greater than 2m in diameter or width. Within the OSIM report, the consultant outlined six (6) structures that are in need of replacement or rehabilitation in their 5-Year Structure Rehabilitation Program recommendations.

The Larmer Line structural culvert was identified in the 2020 OSIM report's 5-Year Structure Rehabilitation Program recommendations and has been budgeted for in the 2024 Capital Budget. In the new 2024 OSIM report, this culvert remains part of the 5-Year Structure Rehabilitation Program and D.M. Wills recommends a replacement of the structural culvert. The report estimate for the replacement of the structure was provided at a price of \$300,000.00. However, Township staff have found relining of a culvert to be the most cost effective solution as well as having the added benefits of a significant reduction to the impact of the roadway and less impact on traffic flow. The Township has used relining technology on the Hay Street Culvert in 2018, on the Zion Line Culvert in 2021, and Morton Line culvert in 2022.

As with the previous projects over the last four years, staff are recommending relining the culvert instead of replacement. During the relining process, a new steel culvert is placed within the existing structure and grout is pressure pumped around the culvert to provide structural support. This new culvert will be a CSP pipe arch culvert and would

act as a new structure within the old existing concrete box culvert.

Due to the specific technique of this type of culvert relining project, there are only two contractors that have experience completing this type of work in Ontario. The two contractors are Four Brothers Construction Ltd. from Orillia and Carchidi Excavating Ltd. from Lindsay. Township staff contacted both contractors regarding the Larmer Line culvert relining project. Carchidi Excavating provided a quotation in the amount of \$84,708.00, with a net municipal HST of \$1,490.86 for a total amount of \$86,198.86. Four Brothers Construction Ltd. did not respond to staff when inquired about the project.

The quotation provided by Carchidi Excavating is within the approved 2024 Capital Budget for the Larmer Line relining project. They have completed the previous structural culvert relining projects for the Township without any major disruptions to traffic flow and minimal impact on the road itself. Carchidi has indicated they are able to complete this project immediately.

Staff are recommending Single Source procurement, to Carchidi Excavating for the Larmer Line Culvert Relining project, per section 5.6.2 of the Purchasing By-law No. 2020-22 as there are a limited number of contractors and availability to complete the project this fall. This procurement meets qualification under 5.6.2.d as “The required goods and/or services are to be supplied by a particular supplier(s) having special knowledge, skills, expertise or experience” and 6.5.2.i “Where due to abnormal market conditions, the goods, services or construction required are in short supply”.

Financial Impact:

Council approved \$120,000.00 in the 2024 Capital Budget for Cross Road Culverts, account 02-60-000-62557-6150.

The total cost, including net municipal HST, based on the Contract Price from Carchidi Excavating will be \$86,198.86, which is within the approved Public Works Capital Budget. Unspent funds from the allocated Cross Road Culvert Replacement program budget, account 02-60-000-62557-6150, will remain available in the 2024 fiscal year to use towards other Public Works Capital projects if needed.

Attachment:

Attachment No. 1 – Location Map of Larmer Line Structural Culvert

Respectfully Submitted by,

Reviewed by,

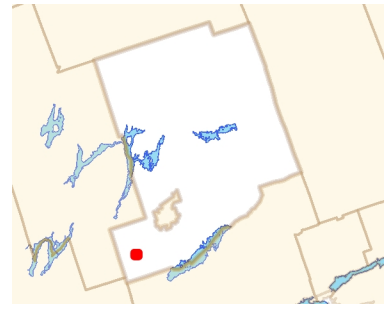
Wayne Hancock
Director of Public Works

Yvette Hurley
Chief Administrative Officer

Drew Hutchison
Engineering Technician



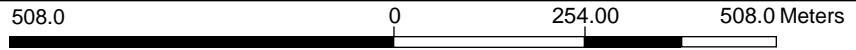
Larmer Line Structural Culvert



Legend

- Roads < 50,000**
 - PRIV ; Private; PRIV
 - City Arterial
 - City Collector and Local
 - City Owned Unclassified
 - Provincial
 - County
 - Township
 - Water Access Only
- Outside Roads < 50,000**
 - Major Roads
 - Local Roads
- Peterborough Proposed Bypass
- First Nations
- Civic Address
- Parcel Fabric
- Parcel First Nations - Canada I
- Rivers**
 - Intermittent
 - Permanent
- Clean Water Act Policies Apply
- Provincially Significant Wetland
- Locally Significant Wetlands
- Non-evaluated Wetlands
- Lakes - Local Scale
- Municipal Boundary - Upper Ti
 - <all other values>
 - COUNTY OF PETERBOROUGH

1: 10,000



WGS_1984_Web_Mercator_Auxiliary_Sphere
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Notes