



## Town of Niagara-on-the-Lake

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**REPORT #:** OPS-24-019

**COMMITTEE DATE:** 2024-04-16

**DUE IN COUNCIL:** 2024-04-30

**REPORT TO:** COTW-General

**SUBJECT:** Dorchester Street at Gage Street Culvert Replacement

### 1. RECOMMENDATION

It is respectfully recommended that:

- 1.1 Contract 2024-959 for the Dorchester Street at Gage Street Culvert Replacement be awarded to the lowest compliant bidder, Rankin Construction Inc., at their bid price of \$668,604.00 (excluding applicable taxes), with final payment based on actual quantities and tendered unit prices; and
- 1.2 Council approves the additional estimated expenditure of \$100,000 related to the required relocation of the Enbridge Gas Line to be funded by debenture as outlined in this report.

### 2. EXECUTIVE SUMMARY

- A public tender process was issued by Town staff and evaluated by the Town's consultant Ellis Engineering Inc. Five bids were received with the lowest compliant bid being \$668,604.00 (excluding taxes) from Rankin Construction Inc.
- The twin 1.2 metre corrugated steel culverts at Gage Street and Dorchester Street along One Mile Creek require replacement as they are undersized and in poor condition as indicated in the 2022 One Mile Creek Structure Inspections.
- The 2005 One Mile Creek Watershed study identified this structure as undersized and recommended increasing the size of the culvert to reduce flooding.
- The Ministry of Natural Resources and Forestry (MNRF) has established timing window guidelines to restrict in-water work related to activity during specific periods to protect fish from impacts of works or undertakings in and around water during spawning migrations and other critical life stages. The proposed timing complies with the "In-Water Work Timing Window Guidelines" prescribed by the Ministry of Natural Resources and Forestry.
- Delays in the culvert replacement could lead to additional flooding, and increased maintenance costs. Therefore, Staff recommends advancing this capital project and awarding it to the lowest compliant bidder.
- Prior to commencement of the project, a temporary access will be constructed by town staff through the unopened road allowance on Gage Street, east of Nassau Street.

**3. PURPOSE**

The purpose of this report is to obtain Council's approval for award of the tender for the Dorchester Street at Gage Street Culvert Replacement and to approve the additional funds required in relation to the relocation of the Enbridge Gas Line.

**4. BACKGROUND**

The Dorchester Culvert Replacement was included in the 2024 Roads Capital Budget and consists of the replacement of the existing twin corrugated steel culvert at the intersection of Gage Street and Dorchester Street along One Mile Creek.

Project design and plan preparation was carried out by Ellis Engineering with consultation and review by Town Engineering staff. The tendering of the project is in conformance with By-Law No. 4701A-18 (Procurement of Goods and Services).

The Request for Tender (RFT) was prepared by Ellis Engineering posted on the Town's e-procurement website Bids & Tenders and advertised on the Town of Niagara-on-the-Lake website, and the Niagara and Hamilton/Halton Construction Association offices.

**5. DISCUSSION / ANALYSIS**

On Wednesday, March 13, 2024, the following tenders for the Dorchester Street at Gage Street Culvert Replacement Project were opened and reviewed:

<u>Company</u>	<u>Tender Price (excluding applicable taxes)</u>
<b>Rankin Construction Inc. (St. Catharines)</b>	<b>\$ 668,604.00</b>
KADA Group Inc (Wainfleet)	\$ 701,045.57
CRL Campbell Construction & Drainage Ltd (Wainfleet)	\$ 877,303.50
O'Hara Trucking and Excavating (St. Catharines)	\$1,031,565.00
Peter's Excavating Inc (St. Catharines)	\$1,294,368.40

The five (5) tenders were referred to the Town's Consultant for review and analysis. Ellis Engineering Inc. has recommended to award the tender to the low bidder, Rankin Construction Inc. Rankin Construction Inc. has carried out numerous projects for the Town and have successfully completed several similar projects for other municipalities. A copy of the consultant's letter report is attached (**Appendix I**).

# 6. STRATEGIC PLAN

The content of this report supports the following Strategic Plan initiatives:

**Pillar**

3. Enrich Community Assets, Environment, & Infrastructure

**Priority**

3.1 Assets

**Action**

3.3 a) Infrastructure Investment (Physical & Green)

# 7. OPTIONS

- 7.1 **Option 1:** Approve the recommendation for the additional expenditures to be funded by debenture. **(Recommended)**
- 7.2 **Option 2:** Do not approve the recommendation for the additional expenditures to be funded by debenture and defer the project. *(Not Recommended)*

# 8. FINANCIAL IMPLICATIONS

Enbridge Gas Relocation

The potential for a relocation of the gas main was noted in the preliminary design phase and a contingency for the works was included within the budget estimate for the project. Since the preparation of the budget estimate in the late summer of 2023 we have continued to see additional inflationary impacts on materials and services resulting in higher than anticipated tender submissions and utility relocation costs.

During the tendering process the Town and the Town’s engineering consultant were advised by Enbridge Gas Inc. that the anticipated cost to relocate the gas main in conflict with the culvert replacement is expected to be approximately \$100,000 for the Town’s portion of the works as defined through the franchise agreement between the utility and the municipality. In discussion with the Treasurer, it has been determined that the additional costs over the original budgeted amount for the project should be financed with additional debt through a planned debenture.

The total estimated cost to complete the project (excluding applicable taxes) is:

Contract Cost	\$ 668,604.00
Inspection and Contract Administration	\$ 60,570.00
Geotechnical	\$ 10,000.00
Staff Time & Approval Fees	\$ 5,000.00
Relocation of Gas Main	\$ 100,000.00
<b>Total Costs</b>	<b>\$ 844,174.00</b>

The project funding as per the 2024 Roads Capital Budgets, is as follows:

Dorchester Street Culvert - (C02157) – Town	\$ 750,000.00
Debenture	<u>\$ 100,000.00</u>
<b>Total</b>	<b>\$ 850,000.00</b>

## **9. ENVIRONMENTAL IMPLICATIONS**

In the spirit of the Climate Change Adaptation Plan, the structure replacement will result in an increased hydraulic opening, reduced upstream flooding, the associated potential for property damage, improved flow conveyance in the system and overall improvement of the One Mile Creek watershed.

## **10. COMMUNICATIONS**

Subject to Council's approval of the capital project, the bidding parties will be notified of Council's decision, and the selected bidder will be contacted to finalize the contract and arrange scheduling.

Prior to commencing construction, the Town's Communication team will assist in developing a communication strategy to inform residents and the broader public about the culvert replacement project.

## **11. CONCLUSION**

In conclusion, Staff recommend that Council approve the Dorchester Street Culvert Replacement Capital project, including the increased cost for the Enbridge Gas Line relocation, and the award of the tender to the lowest compliant bidder, Rankin Construction. Staff and the Town's consultant will schedule a pre-construction meeting as soon as possible upon Council's approval to permit the construction to begin in July 2024.

## **12. PREVIOUS REPORTS**

N/A

## **13. APPENDICES**

- **Appendix I** – Dorchester Street Culvert Replacement Tender Award Recommendation Letter

Respectfully submitted:

**Prepared by:**



**Bryan McMillan**  
Engineering  
Department of Operations

**Recommended by:**



**Mike Komljenovic**  
Engineering Supervisor  
Department of Operations

**Recommended by:**

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**Darren MacKenzie  
(A) Director of Operations**

**Submitted by:**

A handwritten signature in blue ink, featuring a large loop on the left and a more complex, scribbled structure on the right.

**Bruce Zvaniga  
Chief Administrative Officer (Interim)**