

DATE: October 21, 2024

REPORT NO: PW-24-2024

SUBJECT: **2024 Guiderail Replacement Program Tender Award and Budget Amendment**

CONTACT: Ray Vachon, C.E.T. – Project Manager
Mike DiPaola, P. Eng. – Director of Public Works and Recreation

OVERVIEW:

- In the 2021 Structures Inspection Program and subsequent review of the guiderail improvements for Bridge and Culvert Structures, four (4) of the high priority locations were identified for detail design in 2023 to add, upgrade or replace guiderail at bridge locations.
- Public Works Operations identified 3 locations that require roadside guiderail repair due damage and car accidents.
- In March 2024, Council approved the 2024 Capital Budget that included \$300,000.00 for the 2024 Guiderail Replacement Program.
- Administration circulated a Tender (PW 2024-06) on September 16 2024, with two (2) tender submissions received on the closing date of October 1, 2024.
- A low bid in the amount of \$341,292.00 (excluding HST) was received from Peninsula Construction Inc.
- The total cost of the above works is estimated to be \$369,000.
- Administration requests that Council approve a Budget Amendment (BA2024-10) in the amount of \$20,000.00

RECOMMENDATION:

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1. That, Recommendation Report PW-24-2024, titled “2024 Guiderail Program Tender Award and Budget Amendment”, dated October 21 2024, be received; and,
2. That, Council awards the Tender submission to Peninsula Construction Inc. for the guiderail replacement work, in the amount of \$341,292.00 (excluding HST); and,
3. That, Council approve a Budget Amendment (BA2024-10) in the amount of \$20,000.00 funded through a transfer from the Bridge Reserve; and,
4. That, a by-law be passed to authorize the Mayor and Clerk to enter into an

agreement with Peninsula Construction Inc..

ALIGNMENT TO STRATEGIC PLAN:

Theme # 1

- **Build a safe, connected, caring and active community**

BACKGROUND:

The 2021 Structures Inspection Program and subsequent review of the guiderail improvements for Bridge and Culvert Structures identified nine (9) high priority locations for guiderail at bridge and culvert structures. These locations were reviewed by Administration, and four (4) of the high priority locations were identified. The table below lists the identified high priority locations.

Structure	ID Number	Location	Comment
Bridge 03	TWL-ID-B03	South Grimsby Rd 18, 0.5km north of Twenty Road	Remove tapered concrete barriers install new end treatments
Bridge 13	TWL-ID-B13	Tober Rd, 0.6km south of Smithville Rd	Repair or replace extruder at southeast corner
Culvert 06	TWL-ID-C06	Silverdale Rd, 0.2km south of Sixteen Rd	Recommend new guiderail & end treatments
Culver 26	TWL-ID-C26	Caistor Centre Rd, 0.4km south of Concession 2 Rd	Recommend new guiderail & end treatments

In 2023, ELLIS Engineering Inc. was subsequently retained to complete the design for four (4) bridge locations that required guiderail replacements and/or upgrades. The design was complete in 2024.

Additionally, our Public Works Operations staff identified three (3) locations where roadside guiderails were damaged. To take advantage of economies of scale, similar scope of work, and rather than posting a second Tender, these locations were added to the 2024 Tender (PW 2024-06).

The seven (7) proposed work locations are shown in the attached Schedule A.

CURRENT SITUATION:

On September 26 2024, Administration circulated a Tender document on the Township’s Bidding System – Bids & Tenders. On the closing date of October 1 2024, two (2) tenders were received and opened.

Both submissions were reviewed by Administration and checked for completeness, accuracy and arithmetic correctness. All extensions and the totals for both tenders were checked and no errors found. The tender bid submissions are as follows:

Company	Tender Price (excl. HST)
Peninsula Construction Inc.	\$341,292.00
Royal Fence Limited	\$409,381.00

The low bidder, Peninsula Construction Inc. have extensive experience completing similar works in the Township and other Niagara municipalities. Therefore, awarding the contract to Peninsula Construction Inc., is being recommended.

Based on the tender bid submitted by Peninsula Construction Inc., the Township’s total estimated cost for this project is itemized below:

Construction Cost	\$341,292.00
Contract Admin. / Inspection	\$ 15,600.00
Net HST & Misc. Costs (rounded)	<u>\$ 12,108.00</u>
Total Estimated Project Cost:	\$369,000.00

As mentioned in the Background section, the three (3) locations that were damaged and require repair fall under the operations budget. The Total Estimated Project Cost indicated above cover both capital and operation works in this Tender.

Administration completed a prorated cost split to determine capital budget costs versus operation budget costs. This prorated split determined that, of the \$369,000.00 estimated project costs, approximately 87% will be paid from the approved 2024 Capital budget, and the remaining 13% will be paid from the Operations R&M Contract-Transportation Infrastructure operation budget. See attached Schedule B – Prorated Cost Splits for details regarding Capital versus Operating expenditures.

FINANCIAL IMPLICATIONS:

As shown in Schedule B, total estimated costs for the Capital work portion of the project is \$320,000.00, which exceeds the approved 2024 capital budget of \$300,000.00 by \$20,000.00. Therefore, Administration is requesting that Council approve a budget amendment (BA2024-10) in the amount of \$20,000.00 to cover the exceedance for the Capital works. This will be funded through a Transfer from the Bridge Reserve.

As shown in Schedule B, the estimated cost for the operating work portion of the project is \$49,000.00. The account for Infrastructure Repairs and Maintenance (under the Traffic Operations & Roadside Maintenance department) has available budget room of \$88,000, at the time of writing this report. Therefore, this account can absorb the operation cost portion of the project and no budget amendment is required for this portion.

INTER-DEPARTMENTAL COMMENTS:

This report was reviewed by the Director of Finance, CAO, and the Clerks Department.

CONCLUSION:

In summary, Administration recommends this contract be awarded to the low bidder, Peninsula Construction Inc. at their bid price of \$341,292.00 (plus HST), and that Budget Amendment BA2024-10, in the amount of \$20,000, funded through a transfer from the Bridge Reserve, be approved.

SCHEDULES:

Schedule A - Works Location Plan

Schedule B - Prorated Cost Splits

Schedule C – Draft By-Law

Prepared & Submitted by:

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Mike DiPaola, P. Eng., Director of Public Works & Recreation

Approved by:

Truper McBride, C.A.O