

HALIFAX

P.O. Box 1749
Halifax, Nova Scotia
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Item No. 17.2
Halifax Regional Council
December 12, 2017

TO: Mayor Savage and Members of Halifax Regional Council

SUBMITTED BY: Original Signed by 

Jacques Dubé, Chief Administrative Officer

DATE: November 30, 2017

SUBJECT: Budget Increase and **Increase to Contract, Tender 16-237 Fairview Overpass Parapet Wall Repairs**

ORIGIN

This report originates from a need to increase Tender 16-237 Fairview Overpass Parapet Wall Repairs beyond 20% of its original award.

LEGISLATIVE AUTHORITY

Under the HRM Charter, Section 79(1) provides that the Council may expend money required by the Municipality for

(a) streets, culverts, retaining walls, sidewalks, curbs and gutters;

Appendix B of 2016-005-ADM, the Procurement Administrative Order, provides that contract amendments that exceed the greater of 20% of the original award amount or \$20,000, must be approved by Council for funds to be issued.

RECOMMENDATION

It is recommended that Halifax Regional Council:

1. Approve a budget increase of \$58,398 (net HST included) to Project Account No. CRU01077 – Bridges, funded through cost sharing with NSTIR.
2. Authorize an increase to Tender 16-237 Fairview Overpass Parapet Wall Repairs to Duron Atlantic Ltd. (Purchase Order 2070758870), in the amount of \$101,741 (net HST included), with funding from Project Account No. CRU01077 - Bridges, as outlined in the Financial Implications section of this report.

BACKGROUND

On November 21, 2016, the CAO awarded Tender 16-237 Fairview Wall Overpass Parapet Wall Repairs to Duron Atlantic Ltd. in the amount of \$382,751 (including net HST). The project design was completed by Stantec Consulting and included the removal of deteriorated concrete from the parapet wall and curbs, and selected removal and repair of asphalt from the bridge deck. As this bridge structure is cost shared with NSTIR (Nova Scotia Department of Transportation and Infrastructure Renewal), the Province agreed to cost share a portion of the costs related to the repairs on the overpass as outlined in Attachment A-1.

DISCUSSION

After construction began, it was determined that additional rehabilitation was required in the following areas:

Item 43.2 – Concrete Curb Repairs

Item 43.2 in the contract documents specified 300 meters of concrete curb repair. After work began it was determined that the concrete curb and gutter were part of the parapet wall (and not a separate structure as originally determined), and therefore pricing for Item 43.2 – Concrete Curb Repairs did not apply and the work had to be completed under Item 103 of the contract, parapet wall repairs. This resulted in a contract increase of \$50,058 (net HST included).

Relocation of Electrical Conduit

Record drawings from the original construction (which were provided by the Province of Nova Scotia) were used in determining the repair details. During construction, an electrical conduit was located within the parapet wall at a higher elevation than illustrated on the record drawings. Stantec Consulting determined that the failure in this area was in part due to the location of the electrical conduit, and recommended that the conduit be relocated to the outside of the overpass parapet wall to maintain integrity in future years. This additional work resulted in a \$44,322 (net HST included) increase to contract.

Parapet Wall Repairs

Prior to issuing the tender, Stantec Consulting recommended the parapet wall quantity be estimated at 15 m³. When completing these repairs, it is necessary to repair each location to sound concrete. Stantec Consulting provided on site inspection during construction, and determined the final quantities to be approximately 28 m³. This resulted in an additional \$96,712 (net HST included) increase to the contract.

As a note, the contract recognized some savings on items not utilized during construction. As part of the original award a 10% increase was approved in the amount of \$38,275 (net HST Included). With the savings on several contract items and after using the original 10% increase, the items described above result in an additional net increase to contract of \$101,741 (net HST included) which requires approval.

Contract Award (net HST included)	\$ 382,751
Previous Increase (10%) (net HST included)	\$ 38,275
Request for Increase (26.6%) (net HST included)	<u>\$ 101,741</u>
New Contract Value (net HST included)	\$ 522,767

This request for increase to PO No. 2070758870 represents a cumulative increase of 36.6% to the original contract of \$382,751 (net HST included).

FINANCIAL IMPLICATIONS

Funding in the amount of \$101,741 (Net HST Included), is available in the Capital Account CRU01077, Bridges. The budget availability has been confirmed by Finance.

Budget Summary: **Capital Account No. CRU01077 Bridges**

Cumulative Unspent Budget	\$1,108,433
Plus: NSTIR Cost Sharing	\$ 58,398
Less: Increase Tender 16-237	\$ <u>101,741</u>
Balance	\$1,065,090

Of the \$140,016 in additional work, HRM's portion is \$81,618 while TIR is to cover \$58,398. The balance of funds will be used to implement the remaining 2017/18 Bridges projects approved by Council.

RISK CONSIDERATION

There are no significant risks associated with the recommendation in this report. The risks considered rate low. To reach this conclusion, consideration was given to financial, legal and compliance, and service delivery risks.

ENVIRONMENTAL IMPLICATIONS

Implications not identified.

ALTERNATIVES

Council could choose not to approve the recommendations in this report, but this is not recommended by Staff as the work had to be completed.

ATTACHMENTS

Attachment 1 - Addendum1: Revision of Cost Sharing Agreement Tender No. 16-237- Fairview Overpass Concrete Repairs

A copy of this report can be obtained online at halifax.ca or by contacting the Office of the Municipal Clerk at 902.490.4210, or Fax 490-4208.

Report Prepared by: Jeff MacEwen, P.Eng., Construction Supervisor, ROC at 902.717.4065

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Report Approved by: _____
David Hubley, Manager, Project Planning & Design at 902.490.7169

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Procurement Review: _____
Jane Pryor, Manager, Procurement at 902.490.4200

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Report Approved by: _____
Bruce Zvaniga, P.Eng., Director, Transportation & Public Works at 902.490.4855



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MEMORANDUM

TO: Raymond Daniels, P. Eng.
District Bridge Engineer – Central, NS

CC: Anne Sherwood, P. Eng., Senior Design Engineer, Project Planning and Design, HRM

FROM: Abdullah Mofarrah, P. Eng., Design Engineer, Project Planning and Design, HRM

DATE: November 02, 2017

SUBJECT: Addendum1: Revision of Cost Sharing Agreement Tender No. 16-237- Fairview Overpass Concrete Repairs

Tender No.16-237- Fairview Overpass Concrete Repairs, closed on October 21, 2016. A cost sharing agreement between Halifax Regional Municipality (HRM) and Nova Scotia Transportation and Infrastructure Renewal (NSTIR) was completed on December 01, 2016. This addendum is intended to revise the above cost sharing agreement based on the final construction cost.

Based on the final construction quantities, NSTIR's costs for Tender No.16-237- Fairview Overpass Concrete Repairs can be summarized as follows:

Total Cost for NSTIR = \$ 55,997.18 +HST

Please find enclosed break down of the items associated with cost shared based on the Contractor cost, Duran Atlantic Ltd.

If the above meets with your approval, please sign below and return this document to my attention. Please let me know if you have any questions or concerns.

Regards,

Original Signed by:

Abdullah Mofarrah, P. Eng.
Design Engineer, HRM

Attachment(s): Items & Co

Original Signed by:

Raymond Daniels, P. Eng.
District Bridge Engineer, NSTIR

Date

NOV 15/17

APPROVED

TRANSPORTATION AND PUBLIC WORKS- PROJECT PLANNING & DESIGN SERVICES

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