

HALIFAX

P.O. Box 1749
Halifax, Nova Scotia
B3J 3A5 Canada

Item No. 14.1.2
Halifax Regional Council
June 19, 2018

TO: Mayor Savage and Members of Halifax Regional Council

SUBMITTED BY:

Original Signed by 

Jacques Dubé, Chief Administrative Officer

DATE: May 29, 2018

SUBJECT: Increase to Contract, RFQ No. 13-082 Consulting Engineering Services for Herring Cove Road Retaining Wall Detailed Design

ORIGIN

This report originates from a need to increase the cost for RFQ No. 13-082 Consulting Engineering Services for Herring Cove Road Retaining Wall Detailed Design and estimate beyond 20% and \$20,000 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 approve an increase to RFQ No. 13-082 Consulting Engineering Services for Herring Cove Road retaining wall design (Purchase Order No.2070748006) to Allnorth Consultants Limited in the amount of **\$ 22,712** (net HST included) from Project Account CR180004– Other Road Related Works, as outlined in the Financial Implications section of this report.

BACKGROUND

Herring Cove Road retaining wall is identified in the approved 2016/17 capital budget for the replacement and reuse of the first 12 existing T-wall panels (approximately 18.3m in length).

In August 2016, Project Planning and Design Services approved an award of consulting engineering services to Allnorth Consultants Limited for replacement design and reuse of the 12 existing T-wall panels in the amount of \$20,121 (Net HST Included) under the Purchase Order No. 2070748006. The consultant firm was chosen from the Consulting Roster List created from RFQ 13-082.

Once design work commenced it became apparent that the reuse of existing T-wall was not a cost saving option. Upon review the project team concluded that replacement of existing wall panels with new T-wall panels was a more feasible option. On March 17, 2017, the CAO approved an increase to contract of \$6,138 (net HST included) for additional work including redesigning the 18.3m section of T-wall with new panels, reviewing shop drawings, conducting additional site surveys and completing certification of wall installation during construction. The revised consultant's work also included part time construction administration during the project construction as required to certify wall construction.

The project was not able to be constructed in 2017 due to conflicts with other work in the area.

DISCUSSION

In February 2018 site visits suggested further deterioration of the wall beyond the 18.3m section. A change order was issued for the consultant to survey the entire retaining wall to determine if the original scope of work was still appropriate. The survey revealed that the entire wall needs replacement. Considering the wall's structural condition and safety, the project team concluded that replacement of the entire existing wall (approximate 56.0 m) with a new wall system is necessary. The wall needs to be fully redesigned to current standards which involves a different product that is also easier to construct

The revised design scope includes design of the entire wall (approximate 56m) with new precast concrete block wall, reviewing shop drawings, and providing part time construction administration, construction inspection and certification of the entire wall to meet current standards.

The increase of **\$22,712** (Net HST Included) fees are detailed below:

Contract Award (Net HST included)	\$ 20,121
Change Order #1 (net HST included)	\$ 6,138
Current Request for Increase (net HST included)	\$ 22,712
Cumulative Increase to Date (net HST included)	\$ 28,850
New Contract Value (Net HST included)	\$ 48,970

This request represents a cumulative increase of 143.4% to the original contract of \$20,121 (Net HST included). A copy of the Consulting Roster is attached to this report.

There are no Local Improvement Charges associated with this work.

FINANCIAL IMPLICATIONS

Funding in the amount of \$ 21,778 plus net HST of \$ 934 for a net total of \$ 22,712, is available from Project Account No. CR180004 – Other Road Related Works. The budget availability has been confirmed by Finance.

Budget Summary: **Project Account No. CR180004 - Other Road Related Works**

Cumulative Unspent Budget	\$3,175,630
Less: Increase to RFP No. 13-082	\$ 22,712
Balance	\$3,152,918

The balance of funds will be used to implement the remaining 2018/19 Other Road Related Works 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 replacement of the existing wall is required.

ATTACHMENTS

A1: Consulting Roster by Allnorth Consultants Limited (Allnorth).

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.

Report Prepared by: Abdullah Mofarrah, P. Eng., Design Engineer, Project Planning and Design, 902.490.5019

Report Approved by: Original Signed
David Hubley, P. Eng., Manager, Project Planning & Design, 902.490.4845

Report Approved by: Original Signed by 
Bruce Zvaniga, P. Eng., Director, Transportation & Public Works at 902-490-4855

Original Signed by 

Procurement Review:

Jane Pryor, Manager, Procurement, 902.490.4200

AM/LAA

Desired Vendor : Allnorth Consulting Limited
Contract # :

Date: March 2, 2018

Scope of Work: Herring Cove Road Retaining Wall - Engineering Design: Removal and replacement of the entire retaining wall

****PLEASE NOTE THAT THE PER DIEM RATE LISTED BELOW IS BASED ON A 7 HOUR DAY, AS NOTED IN RFQ 13-082. PLEASE INPUT YOUR DAILY PER DIEM RATE NOT YOUR HOURLY RATE. ****

Fees

1. Title/Position Project Manager- [REDACTED]
Per Diem Rate [REDACTED] X 11.5 Days = [REDACTED]

Please Itemize what's included in the Per Diem Rate

- Administering the contract/agreement
- Scheduling personnel and other resources to complete design work;
- Coordinating the activities of the project team;
- Develop measurement for payment quantities and description
- Cost estimate for removal and installation of the T-wall units
- Half day site visits on alternating day (Monday, Wednesday & Friday) for certification of construction compliance to design
- Two project team meetings at HRM's offices
- Two tender meetings at HRM's office (pre-tender & pre-construction)

2. Title/Position Design Engineer
Per Diem [REDACTED] X 3.25 Days = [REDACTED]

Please Itemize what's included in the Per Diem Rate

- Review As Built- Supply Standard drawings
- Develop design of new retaining wall
- Develop drawings based on new retaining wall including sidewalk

3. Title/Position CAD Draftsperson
Per Diem [REDACTED] X 6 Days = [REDACTED]

Please Itemize what's included in the Per Diem Rate

- AutoCAD drawings
- As-built drawings

The submission of a response to this request indicates that the Consultant has read, understands and agrees to comply with HRM's standard terms and conditions as stated in Request for Qualifications 13-082.

4. Title/Position Surveyor

Per Diem [REDACTED] X 1 Days = [REDACTED]

Please Itemize what's included in the Per Diem Rate

- As-built drawings

Miscellaneous Items (if Applicable) could include; Administration costs, field work, report preparation etc. :
Please List

- Geotechnical Investigation (Sub-Consultant) Fee [REDACTED]
- Allnorth field equipment, truck (Lump Sum) Fee [REDACTED]

Subtotal \$ 21,778.00

HST 15% \$ 3,266.70

Total \$ \$ 25,044.70