
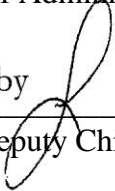


Item No. 10.1.1
Halifax Regional Council
May 3, 2011

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY: Original signed by 
Richard Butts, Chief Administrative Officer

Original Signed by 
Mike Labrecque, Deputy Chief Administrative Officer, Operations

DATE: April 12, 2011

SUBJECT: Award - Unit Price Tender No. 11-214, Pavement, Curb, Sidewalk
and Water Main Renewal - Cook Avenue - West Region

ORIGIN

The Approved Advanced 2011/12 Project Budget.

RECOMMENDATIONS:

It is recommended that Halifax Regional Council:

1. Approve a budget increase of \$207,045.65 (net HST included) to Project No. CYX01345 – Street Recapitalization, fully funded through cost sharing with Halifax Water; and
2. Award Tender No. 11-214, Pavement, Curb, Sidewalk and Water Main Renewal – Cook Avenue - West Region, to the lowest bidder meeting specifications, ARCP – Atlantic Road Construction & Paving Limited, for a Total Tender Price of \$567,839.88 (net HST included) with funding from Project No. CYX01345 – Street Recapitalization, and CKU01084 – Sidewalk Renewal, as outlined in the Budget Implications section of this report.

BACKGROUND

The Approved Advanced 2011/12 Project Budget includes funds for the Pavement, Curb, Sidewalk, and Water Main renewal of Cook Avenue from Romans Avenue to End.

DISCUSSION

Tenders were called on March 15, 2011, and closed on April 5, 2011. Bids were received from the following companies:

<u>Name of Company</u>	<u>Bid Price (net HST included)</u>
Atlantic Road Construction & Paving Limited	\$ 567,839.88*
Dexter Construction Company Limited	\$ 691,207.61
J.R. Eisener Contracting Limited	\$ 714,115.07
Brycon Construction Limited	\$ 772,759.26
Ocean Contractors Limited	\$ 781,102.14
Harbour Construction Company Limited	\$ 819,062.24
Amber Contracting Limited	\$ 820,146.82
Basin Contracting Limited	\$1,117,116.85

***recommended bidder**

The scope of work for this tender generally consists of the removal of existing and re-constructing of the pavement, curb & gutter, sidewalk, and water main. Also included in this work is providing temporary water service, sewer pipe spot repairs, maintaining vehicle access, reinstating driveways, landscaping and other associated work.

It is anticipated that work will commence within three weeks of the tender award and take sixteen weeks to complete.

This is a **UNIT PRICE** contract and the cost will be dependent upon the actual quantities measured and approved by the HRM Project Manager.

There are no Local Improvement Charges associated with this work.

BUDGET IMPLICATIONS

Based on the lowest tendered price of \$567,839.88 (net HST included), funding is available in the Approved Advanced 2011/12 Project Budget from Project No(s). CYX01345 – Street Recapitalization, and CKU01084 – Sidewalk Renewal. The budget availability has been confirmed by Financial Services.

Budget Summary:

Project No. CYX01345, Street Recapitalization

Cumulative Unspent Budget	\$2,437,859.41
Plus: Halifax Water Cost Sharing	\$ 207,045.65
Less: Tender No. 11-214	<u>\$ 372,408.00*</u>
Balance	\$2,272,497.06

Project No. CKU01084, Sidewalk Renewal

Cumulative Unspent Budget	\$ 836,455.16
Less: Tender No. 11-214	<u>\$ 195,432.00*</u>
Balance	\$ 641,023.16

*HRM's cost for this project was estimated in the Approved Advanced 2011/12 Project Budget at \$225,000 and \$325,000 respectively. As a result of cost sharing from Halifax Water, the net cost to Project No. CYX01345 is \$165,362.

The balance of funds will be used to implement the remaining 2011/12 Street Recapitalization and Sidewalk Renewal projects approved by Council.

FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Project and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Project and Operating reserves, as well as any relevant legislation. If approved, this will increase the gross 2011/12 Project Budget but not the net.

ALTERNATIVES

Council could choose to not approve the recommendations in this report, but this is not recommended by staff.

ATTACHMENTS

A1 – Cost Share Agreement – Tender No. 11-214 Cook Avenue.

A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/cagenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

Report Prepared by: Jamie Wile, Design Engineering Technologist, Design & Construction Services at 490-6869

Report Approved by: _____
For David Hubley, P.Eng., Manager, Design & Construction Services at 490-4845

Procurement Review: _____
Anne Feist, Manager, Procurement (490-4200)

Report Approved by: _____
Phillip Townsend, Director, Infrastructure and Asset Management at 490-7166

JW/rch.

M E M O R A N D U M

TO: John Eisnor, P.Eng., Project Engineer, HW

CC: David Hubley, P.Eng., Manager, Design and Construction Services, HRM
Jamie Hannam, P.Eng., Director, Engineering and Information Services, HW
Jeff Spares, P.Eng., Senior Design Engineer, Design and Construction Services, HRM

FROM: Dylan Hayne, P.Eng., Design Engineer, Design and Construction Services, HRM

DATE: April 11, 2011

SUBJECT: Cost Share Agreement – Tender No. 11-214 Cook Avenue (Romans to End)

Tender No. 11-214, Cook Avenue (Romans to End) – Pavement, Curb & Gutter, Sidewalk and Water Main Renewal – Halifax, West Region, closed April 8, 2011. Prior to tender award, a cost sharing agreement must be finalized between Halifax Regional Municipality (HRM) and Halifax Water (HW).

Enclosed is a bid comparison summary for the items associated with the water main renewal and sewer spot repairs from the lowest bidder, ARCP – Atlantic Road Construction & Paving Ltd.

In the most recent discussions on this subject, HW has agreed to pay for the water main renewal and sewer repairs along with 50% of the asphalt, gravel and fine grading reinstatement cost relating to their work, which (based on the unit prices) is as follows:

(A) Costs for Water Main and Sewer System Repairs

Water	Description	Unit	Unit Price	Quantity	Total Price
10	Pipe and Fittings				
10.2	Water Pipe, 200 mm DI - CL52	m	\$280.00	317	\$88,760.00
10.3	Water Pipe, 250 mm DI - CL52	m	\$400.00	8	\$3,200.00
11	Fire Hydrants				
11.1	Installation of Fire Hydrant	ea.	\$3,500.00	3	\$10,500.00
11.2	Removal of Hydrant	ea.	\$2,500.00	1	\$2,500.00
13	Direct Buried Valves				
13.1	Gate Valves				
13.1.2	200 mm Gate Valve	ea.	\$1,600.00	3	\$4,800.00
13.1.3	250 mm Gate Valve	ea.	\$2,100.00	2	\$4,200.00

(A) Costs for Water Main and Sewer System Repairs (Continued)

Water	Description	Unit	Unit Price	Quantity	Total Price
14	Water Services				
14.4	Reconnection of existing services				
14.4.1	19 mm	ea.	\$375.00	35	\$13,125.00
14.4.4	150 mm	ea.	\$1,000.00	1	\$1,000.00
15	Connections to Existing Main (Romans Ave. Intersection)	LS	\$7,800.00	1	\$7,800.00
16	Water main Protection				
16.2	Rigid Insulation (HI40) PROVISIONAL	m2	\$100.00	3	\$300.00
17	Temporary Water Service	LS	\$25,000.00	1	\$25,000.00
Sewer					
20	Gravity Pipe				
20.1	Gravity Pipe Including Restoration				
20.1.4	375 mm dia. PVC DR35 sanitary pipe including reinstatement	m	\$300.00	26	\$7,800.00
25	Closed Circuit Television Inspection	m	\$3.00	650	\$1,950.00
26.1	Combined Gravity Sanitary Sewer Spot Repair #4 (375mm DIA.)	ea.	\$3,500.00	1	\$3,500.00
26.2	Combined Gravity Sanitary Sewer Spot Repair #5 (375mm DIA.)	Ea.	\$3,000.00	1	\$3,000.00
27	Catch Basin Lead Spot Repair #1 (250 mm DIA.)	ea.	\$3,000.00	1	\$3,000.00
Subtotal:					\$ 180,435.00

(B) Reinstatement Over Water Main**Reinstatement Area (Cost shared with HW & HRM): $2.30 \text{ m} \times 295 \text{ m} = 679 \text{ m}^2$**

Cost of Fine Grading of Road Surface	$679 \text{ m}^2 \times \$2.75/\text{m}^2 \times 50\%$	= \$ 933.63
Cost of Type 1 Gravel - 150 mm thick	$679 \text{ m}^2 \times \$7.00/\text{m}^2 \times 50\%$	= \$ 2,376.50
Cost of Type Special C - 40 mm thick	$679 \text{ m}^2 \times \$14.00/\text{m}^2 \times 50\%$	= \$ 4,753.00
Cost of Type B-HF – 50 mm thick	$679 \text{ m}^2 \times \$16.50/\text{m}^2 \times 50\%$	= \$ 5,601.75
Cost of Cold Planing (asphalt removal)	$679 \text{ m}^2 \times \$4.50/\text{m}^2 \times 50\%$	= \$ 1,527.75
Subtotal:		\$ 15,192.63

(C) Reinstatement Over Pipe Replacements & Spot Repairs**Reinstatement Area (Cost shared with HW & HRM): $4.35 \text{ m} \times 30 \text{ m} = 130 \text{ m}^2$**

Cost of Fine Grading of Road Surface	$130 \text{ m}^2 \times \$2.75/\text{m}^2 \times 50\%$	= \$ 178.75
Cost of Type 1 Gravel - 150 mm thick	$130 \text{ m}^2 \times \$7.00/\text{m}^2 \times 50\%$	= \$ 455.00
Cost of Type Special C - 40 mm thick	$130 \text{ m}^2 \times \$14.00/\text{m}^2 \times 50\%$	= \$ 910.00
Cost of Type B-HF – 50 mm thick	$130 \text{ m}^2 \times \$16.50/\text{m}^2 \times 50\%$	= \$ 1,072.50
Cost of Cold Planing (asphalt removal)	$130 \text{ m}^2 \times \$4.50/\text{m}^2 \times 50\%$	= \$ 292.50
Subtotal:		\$ 2,908.75

Based on the bidder's tender prices and the above cost sharing, HW's costs for Tender No. 11-214, Cook Avenue (Romans Ave to End), can be summarized as follows:

(A)	Water Main and Sewer System Repairs	\$ 180,435.00
(B)	Reinstatement Over Water Main	\$ 15,192.63
(C)	Reinstatement Over Pipe Replacements & Spot Repairs	\$ 2,908.75
	Total:	\$ 198,536.38
	Net HST (4.286%):	\$ 8,509.27
	Grand Total:	\$ 207,045.65


Actual cost sharing for this project will be based on final quantities determined during construction.

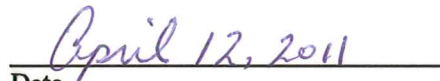
If you agree to this arrangement, please indicate by signing the enclosed copy and return it to my attention. If you any questions, contact me at 490-1457.

Thank you,



Dylan Hayne, P.Eng.
Design Engineer



John Eisonor, P.Eng.
Halifax Water

Date April 12, 2011