


Item No. 10.1.2
Halifax Regional Council
April 17, 2012

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

DATE: March 27, 2012

SUBJECT: Award - Unit Price Tender No. 12-228, Resurfacing, Sidewalk
Renewal and Water Main Renewal – Lawnsdale Drive – East Region

ORIGIN

The Approved Advanced 2012/13 Project Budget.

RECOMMENDATIONS

It is recommended that Council:

1. Approve a budget increase of \$356,151.85 (Net HST included) to Project Account No. CYX01345 – Street Recapitalization, funded through cost sharing with Halifax Water; and
2. Award Tender No. 12-228, Resurfacing, Sidewalk Renewal and Water Main Renewal – Lawnsdale Drive – East Region, to the lowest bidder meeting specifications, Sackville Trenching Limited for a Total Tender Price of \$802,926.70 (net HST included) with funding from Project Account Nos. CYX01345 – Street Recapitalization and CKU01084 – Sidewalk Renewals, as outlined in the Budget Implications section of this report.

BACKGROUND

The Approved Advanced 2012/13 Project Budget includes funds for the pavement renewal of Lawnsdale Drive from Kingston Crescent to Lynby Avenue and sidewalk renewal from Louise Avenue to Lynby Avenue on both sides.

DISCUSSION

Tenders were called on March 8, 2012 and closed on March 22, 2012. Bids were received from the following companies:

<u>Name of Company</u>	<u>Bid Price (net HST included)</u>
Sackville Trenching Limited	\$ 802,926.70 *
Amber Contracting Limited	\$ 891,515.50
Brycon Construction Ltd.	\$ 922,131.23
Dexter Construction Company Limited	\$ 930,543.98
Harbour Construction Co. Ltd.	\$ 980,625.24
J.R. Eisener Contracting Limited	\$ 994,598.52
ARCP – Atlantic Road Construction Paving Ltd.	\$1,009,187.09
Ocean Contractors Limited	\$1,054,820.56

***recommended bidder**

The scope of work for this tender generally consists of paving renewal including full depth removal of existing asphalt, installation of new asphalt and associated reinstatement, water main renewal and some sewer spot repair. The project also includes concrete sidewalk and concrete curb and gutter renewal and associated appurtenances from Louise Avenue to Lynby Avenue.

It is anticipated that work will commence after the tender is awarded and as weather permits in the Spring and take 10 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 \$769,927.60 plus net HST of \$32,999.10 for a net total of \$802,926.70, funding is available in the Approved Advanced 2012/13 Project Budget from Project Account Nos. CYX01345 – Street Recapitalization and CKU01084 – Sidewalk Renewals. The budget availability has been confirmed by Financial Services.

Budget Summary:

Project Account No. CKU01084 – Sidewalk Renewals

Cumulative Unspent Budget	\$1,373,302.45
Less: Tender No. 12-228	<u>\$ 250,212.36 *</u>
Balance	\$1,123,090.09

Project Account No. CYX01345 – Street Recapitalization

Cumulative Unspent Budget	\$7,844,052.09
Plus: Halifax Water Cost Sharing	\$ 356,151.85
Less: Tender No. 12-228	<u>\$ 552,714.34 *</u>
Balance	\$7,647,489.60

* This project was estimated in the Approved Advanced 2012/13 Project Budget at \$380,000 and \$260,000 respectively. As a result of cost sharing from Halifax Water, the net cost to Project Account No. CYX01345 is \$196,562.

The balance of funds will be used to implement the remaining 2012/13 sidewalk renewals and street recapitalization 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 2012/13 Project Budget but not the net.

ALTERNATIVES

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

ATTACHMENT

A1 – Halifax Water Cost Share Memo

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: Linda Ward, Design Engineering Technologist, Design & Construction Services at 490-6868

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

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

Report Approved by: _____
Ken Reashor, P.Eng., Director, Transportation & Public Works at 490-7166

LW/pm

MEMORANDUM

TO: Kevin Healy, P.Eng., Halifax Water

CC: David Hubley, P.Eng., Manager, Design & Construction Services
Jamie Hannam, P.Eng., MBA, Halifax Water
Jeff Spares, P.Eng., Sr. Design Engineer, Design & Construction Services

FROM: John Fawcett, P.Eng., Design & Construction Services

DATE: March 26, 2012

SUBJECT: **Tender No. 12-228, Resurfacing, Sidewalk Renewal and Water Main Renewal, Lawnsdale Drive – East Region**

Tender No. 12-228, Resurfacing, Sidewalk Renewal and Water Main Renewal, Lawnsdale Drive – East Region, closed March 22, 2012. Prior to tender award, a cost sharing agreement must be finalized between HRM (Halifax Regional Municipality) and HW (Halifax Water).

Enclosed is a bid comparison summary for the items associated with the water main and sewer work for this project. They are from the lowest bidder, Sackville Trenching Limited.

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

Reinstatement Area

Water Main Reinstatement:

$494 \times 2.5 = 1,235.5$ [$1,235.5 \times 50\% = 617.75$ (HW Share)]
 $140 \text{ (Trench for Gravels)} \times 2.5 = 350$ [$350 \times 50\% = 175$ (HW Share)]

Cost for Type D - HF Asphalt	$617.75 \text{ m}^2 \times \$13.40/\text{m}^2$	=	\$ 8,277.85
Cost for Type B – HF Asphalt	$617.75 \text{ m}^2 \times \$15.40/\text{m}^2$	=	\$ 9,513.35
Cost for Fine Grading of Road	$617.75 \text{ m}^2 \times \$ 1.30/\text{m}^2$	=	\$ 803.08
Cost for Full Depth Asphalt Removal	$617.75 \text{ m}^2 \times \$ 3.80/\text{m}^2$	=	\$ 2,347.45
Cost for Type 1 Gravel	$175 \text{ m}^2 \times \$ 8.80/\text{m}^2$	=	\$ 1,540.00
Cost for Type 2 Gravel	$175 \text{ m}^2 \times \$ 17.65/\text{m}^2$	=	\$ 3,088.75
Subtotal		=	<u>\$25,570.48</u>

Sanitary Sewer Reinstatement:

$$4.5 - 1.25 = 3.25 \text{ Trench Length} \quad 3.25 \times 2.5 = 8.125 \text{ m}^2$$

$$8.125 \times 12 \text{ Laterals} = 97.5 [97.5 \times 50\% = 48.75 \text{ (HW Share)}]$$

$$8.125 \times 5 \text{ Laterals} = (\text{Trench for Gravels}) = 40.625 \times [40.625 \times 50\% = 20.31 \text{ (HW share)}]$$

Cost for Type D - HF Asphalt	48.75 m ² x \$13.40/ m ²	=	\$ 653.25
Cost for Type B – HF Asphalt	48.75 m ² x \$15.40/ m ²	=	\$ 750.75
Cost for Fine Grading of Road	48.75 m ² x \$ 1.30/ m ²	=	\$ 63.38
Cost for Full Depth Asphalt Removal	48.75 m ² x \$ 3.80/ m ²	=	\$ 185.25
Cost for Type 1 Gravel	20.31 m ² x \$ 8.80/ m ²	=	\$ 178.73
Cost for Type 2 Gravel	20.31 m ² x \$17.65/ m ²	=	\$ 358.47
Cost for Curb 12 laterals x 2.5m x 50%	15.0 m x \$103/m	=	\$1,545.00
Cost for Sidewalk 7 x 2.5m x 1.5m x 50%	13.13 m ² x \$67.50/ m ²	=	\$ 886.28
Cost for Sod 5 x 3m x 2.5m x 50%	18.75 m ² x \$12/ m ²	=	\$ 225.00
Subtotal		=	<u>\$4,846.10</u>

Storm Sewer Reinstatement

$$12 - 2.5 = 9.5 \times 2 = 19 \times 2.5 = 47.5 [47.5 \times 50\% = 23.75 \text{ (HW share)}]$$

$$9.5 (\text{Trench for Gravels}) \times 2.5 = 23.75 [23.75 \times 50\% = 11.88 \text{ (HW Share)}]$$

Cost for Type D – MF asphalt	23.75 x \$13.40/ m ²	=	\$ 318.25
Cost for Type B – HF Asphalt	23.75 x \$15.40/ m ²	=	\$ 365.75
Cost for Fine Grading of Road	23.75 x \$ 1.30/ m ²	=	\$ 30.88
Cost for Full Depth Asphalt Removal	23.75 x \$ 3.80/ m ²	=	\$ 90.25
Cost for Type 1 Gravel	11.88 x \$ 8.80/ m ²	=	\$ 104.54
Cost for Type 2 Gravel	11.88 x \$17.65/ m ²	=	\$ 209.68
Subtotal		=	<u>\$1,119.35</u>

Based on the bidder's tender prices and the above cost sharing, HW's costs for Tender No. 12-228, Resurfacing, Sidewalk Renewal and Water Main Renewal, Lawnsdale Drive – East Region, can be summarized as follows:

Water Main Reinstatement	=	\$ 25,570.48
Water Main Work	=	\$240,908.60
Sanitary Sewer Reinstatement	=	\$ 4,846.11
Sanitary Sewer Work	=	\$ 62,614.00
Storm Sewer Reinstatement	=	\$ 1,119.35
Storm Sewer Work	=	\$ 6,456.00
Net HST (i.e., 4.286%)	=	<u>\$ 14,637.31</u>
Project Total	=	<u>\$356,151.85</u>

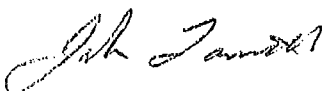
Memo – Tender No. 12-228

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

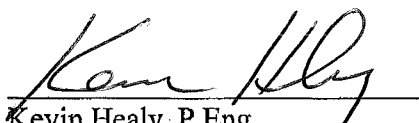
If you agree to this arrangement, please indicate by signing the enclosed copy and return it to my attention. If you have any questions, please call me at 490-6824.

Thank you,



John Fawcett, P.Eng.

JF/pm



Kevin Healy, P.Eng.
Halifax Water

MARCH 29/2012
Date

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Transportation & Public Works - Design and Construction

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