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PO Box 1749
Halifax, Nova Scotia
B3J 3A5 Canada

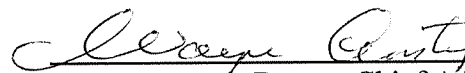
Halifax Regional Council
July 3, 2007

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:



Dan English, Chief Administrative Officer



Wayne Anstey, Deputy Chief Administrative Officer - Operations

DATE: June 19, 2007

SUBJECT: **Award - Unit Price Tender No. 07-255, Street Reconstruction and Sewer and Water Main Replacement, Nightingale Drive - West Region**

ORIGIN

The Approved 2007/08 Capital Budget.

RECOMMENDATION

It is recommended that Council award Tender No. 07-255, Street Reconstruction, and Sewer and Water Main Replacement, Nightingale Drive - West Region to Trax Construction Limited for material and services listed at the unit prices quoted for a Total Tender Price of \$894,857.36 (net HST included) with funding from Capital Account Nos. CZU00782 - Resurfacing Program, CRU00683 - Curb Renewals, CGI00914 - Nightingale Drive Sanitary Sewer and CGU00461 - Sewer Lateral Replacements, as outlined in the Budget Implications section of this report.

BACKGROUND

The Approved 2007/08 Capital Budget includes funds for the paving resurfacing, curb renewal and sewer and water main renewal of Nightingale Drive from Civic 36 to Civic 82.

During heavy rainfall events a number of homes along this section of Nightingale Drive have indicated that they have had problems with sewage surcharging into their basements. To address this problem the scope of work includes increasing the sizing and regrading parts of the sanitary sewer, installation of a new deep storm sewer and new storm laterals. This project is considered a Priority One due to the potential that HRM may be exposed to legal or liability issues if the sewer problems are not addressed.

DISCUSSION

Tenders were called on June 2, 2007 and closed on June 15, 2007. Bids were received from the following companies:

<u>Name of Company</u>	<u>Bid Price (Net HST Included)</u>
Trax Construction Limited	\$894,857.36*
Amber Contracting Limited	\$943,650.00
J. R. Eisener Contracting Limited	\$946,288.47
Ocean Contractors Limited	\$958,579.97
A.C.L. Construction Limited	\$970,016.63
Dexter Construction Limited	\$979,265.77

***recommended bidder**

The scope of work for this tender generally consists of the replacement of existing asphalt curb with concrete curb and gutter, and the replacement of the existing asphalt structure. The project also includes the replacement of the existing water main and sewer between civic 36 and Dove Street, and the replacement of no-corrode sewer laterals.

It is anticipated that work will commence within three weeks of the tender award and take ten 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 \$894,857.36, including net HST, funding is available in the Approved 2007/08 Capital Budget from Account Nos. CZU00782 - Resurfacing Program, CRU00683 - Curb Renewals, CGI00914 - Nightingale Drive Sanitary Sewer and CGU00461 - Sewer Lateral Replacements. The budget availability has been approved by Financial Services.

Budget Summary:

Capital Account No. CZU00782, Resurfacing Program

Cumulative Unspent Budget	\$4,544,647
Less: Tender No. 07-255	<u>\$ 404,215*</u>
Balance	\$4,140,432

Capital Account No. CRU00683, Curb Renewals

Cumulative Unspent Budget	\$ 929,524
Less: Tender No. 07-255	<u>\$ 117,340*</u>
Balance	\$ 812,184

Capital Account No. CGI00914, Nightingale Drive Sanitary Sewer

Cumulative Unspent Budget	\$ 400,000
Less: Tender No. 07-255	<u>\$ 360,415*</u>
Balance	\$ 39,585

Capital Account No. CGU00461, Sewer Lateral Replacements

Cumulative Unspent Budget	\$294,040
Less: Tender No. 07-255	<u>\$ 12,887**</u>
Balance	\$281,153

* This project was estimated in the Approved 2007/08 Capital Budget at \$350,000, \$180,000 and \$400,000 respectively. As a result of cost sharing with HRWC in the amount of \$217,409, the net cost to Capital Account No. CZU00782 is \$186,806.

**This portion of the project was estimated at \$20,000.

The balance of funds will be used to implement the remaining 2007/08 resurfacing, curb renewals, and sewer lateral replacement projects approved by Council.

FINANCIAL MANAGEMENT POLICIES/BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation. If approved this will increase the 2007/08 Capital Budget.

ALTERNATIVES

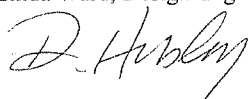
There are no recommended alternatives to this course of action.

ATTACHMENT

Letter of Agreement with Halifax Regional Water Commission (HRWC).

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 at 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

Financial Approval by: _____
Catherine Sanderson, Senior Manager, Financial Services at 490-1562

Report Approved by: _____
Mike Labrecque, P. Eng., Director, Transportation and Public Works at 490-4855

LW/pm



PO Box 1749
Halifax, Nova Scotia
B3J 3A5 Canada

MEMORANDUM

TO: Harold MacNeil, P. Eng., Halifax Regional Water Commission
 CC: David Hubley, P.Eng., Manager, Design & Construction
 FROM: Jeff Spares, P.Eng., Sr. Design Engineer, Design & Construction
 DATE: June 18, 2007
 SUBJECT: **Tender 07-255 - Street Reconstruction, Sewer and Water Main Replacement, Nightingale Drive**

Tender No. 07-255 - Nightingale Drive (Civic 36 to Dove Street) - Street Reconstruction, Sewer and Water Main Replacement, West Region closed June 15, 2007.

In the most recent discussions on this subject, HRWC has agreed to pay a percent of the cost of the reinstatement. This includes the cost of the asphalt and gravel over the length of the water main and across the reinstatement width. As part of this project, three departments are involved in the reinstatement, the HRWC, Environment Engineering Services (EES), and Design and Construction Services (D & C). Based on the trench widths and the unit prices calculated for the two areas in which HRWC is involved the HRWC's share of reinstatement costs is as follows:

Reinstatement Area 1 (Cost Shared with HRWC, EES, & D&C)	5.8 m x 160 m = 928 m²		
Cost for Type C Special Asphalt:	928 m ² x 9.60/m ² x 33%	=	\$ 2,939.04
Cost for Type B Asphalt:	928 m ² x \$12.00/m ² x 33%	=	\$ 3,674.88
Cost for Type 1 Gravel:	928 m ² x \$6.00/m ² x 33%	=	\$ 1,837.44
Cost for Type 2 Gravel:	928 m ² x \$9.40/m ² x 33%	=	\$ 2,878.66
Cost for Cold Planning	928 m ² x \$6.00/m ² x 33%	=	\$ 1,837.44
	Share of Reinstatement Costs	=	\$ 13,167.46

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Reinstatement Area 2 (Cost Shared with HRWC, EES, & D&C) $2.8 \text{ m} \times 70 \text{ m} = 196 \text{ m}^2$

Cost for Type C Special Asphalt:	$196 \text{ m}^2 \times 9.60/\text{m}^2 \times 50\%$	=	\$ 940.80
Cost for Type B Asphalt:	$196 \text{ m}^2 \times \$12.00/\text{m}^2 \times 50\%$	=	\$1,176.80
Cost for Type 1 Gravel:	$196 \text{ m}^2 \times \$6.00/\text{m}^2 \times 50\%$	=	\$ 588.00
Cost for Type 2 Gravel:	$196 \text{ m}^2 \times \$9.40/\text{m}^2 \times 50\%$	=	\$ 921.20
Cost for Cold Planning:	$196 \text{ m}^2 \times \$6.00/\text{m}^2 \times 50\%$	=	\$ 588.00
	Share of Reinstatement Costs	=	<u>\$ 4,214.00</u>

General Reinstatement Costs (Cost shared with HRWC & EES)

Trench Excavation - Rock (Prov): $750 \text{ m}^3 \times \$23.60/\text{m}^3 \times 50\%$ = \$8,850.00

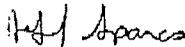
Based on the low bidder's tender prices and the above cost sharing, HRWC's costs for Tender No. 07-255 - Nightingale Drive, Street Reconstruction and Water Main Replacement, West Region, can be summarized as follows:

Water Main Renewal	\$183,970.00
Reinstatement Cost Sharing	<u>\$ 26,231.46</u>
	\$210,201.46
Net HST (3.429%)	<u>\$ 7,207.81</u>
Total Water Main	<u>\$217,409.27</u>

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

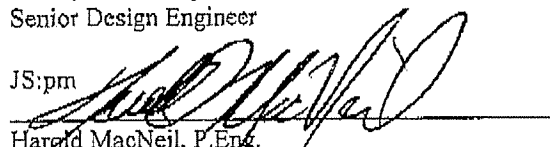
If you agree to this arrangement, please indicate by signing the enclosed copy and returning it to me. If you have any questions, please call me at 490-6820.

Thank you.

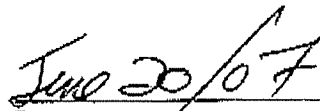


Jeff Spares, P. Eng.
Senior Design Engineer

JS:pm



Harold MacNeil, P. Eng.
Halifax Regional Water Commission


Date

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