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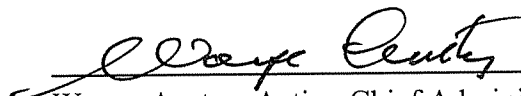


PO Box 1749  
Halifax, Nova Scotia  
B3J 3A5 Canada

**Halifax Regional Council**  
**August 8, 2006**

**TO:** Mayor Kelly and Members of Halifax Regional Council

**SUBMITTED BY:**

  
Wayne Anstey, Acting Chief Administrative Officer

**DATE:** July 28, 2006

**SUBJECT:** Award of Unit Price Tender No. 06-235, Resurfacing, Water Main  
Renewal and Gas Main Installation Windmill Road - East Region

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**ORIGIN**

The Approved 2006/07 Capital Budget.

**RECOMMENDATIONS**

It is recommended that Council:

1. approve an increase in the Gross Budget for Capital Account No. CZU00782, Resurfacing Program by \$248,139 with no change to the Net Budget to reflect cost sharing of the water main related work from the Halifax Regional Water Commission.
2. approve an increase in the Gross Budget for Capital Account No. CZU00782, Resurfacing Program by \$46,202 with no change to the Net Budget to reflect cost sharing of the gas main related work from Heritage Gas.
3. award Tender No. 06-235, Paving Renewal, Water Main Renewal and Gas Main Installation, Windmill Road - East Region to Amber Contracting Limited for materials and services listed at the unit prices quoted for a Tender Price of \$714,860 including net HST from Capital Account No. CZU00782, Resurfacing Program, Capital Account No. CRU00683, Concrete Curb Repair Program, Capital Account No. CKU00783, Sidewalk Renewals, and Capital Account No. CSI00875, Stormwater and Wastewater Remediation Projects with funding authorized as per the Budget Implications Section of this report.

## **BACKGROUND**

The Approved 2006/07 Capital Budget included funds for the paving renewal, replacement of curb, the installation of Heritage Gas lines and for the water main renewal on Windmill Road from Jamieson Street to Dawson Street. It also included sidewalk renewal on the following sections of Windmill Road:

1. Windmill Road - Jamieson Street to Dockyard Annex (west side)
2. Windmill Road - Dawson Street to Pelzant Street (east side)
3. Windmill Road - Pelzant Street to Brookside Street (east side)

As part of the detailed design process for the proposed street reconstruction, a review of the sewer infrastructure's condition was completed. It was determined that a section of combined sewer crossing Windmill Road was constructed of wood. It should be noted that wood is no longer an accepted pipe material for sewers in HRM. The reconstruction of Windmill Road presents an opportunity to replace the trunk combined sewer pipe at this time, on an integrated and cost-effective basis with the completion of road work.

## **DISCUSSION**

Tenders were called on June 28, 2006 and closed on July 11, 2006. The following bids, exclusive of taxes, were received:

	<b><u>Bid Price</u></b>
1. Amber Contracting Limited	\$691,160.00
2. Brycon Construction Limited	\$748,856.00
3. Dexter Construction Company Limited	\$774,700.00
4. Ocean Contractors Limited	\$825,250.00
5. J.R. Eisener Contracting Limited	\$902,540.00
6. A.C.L. Construction Limited	\$991,545.00

The scope of work for this tender generally consists of replacing the existing curb with concrete curb and gutter, renewing the pavement, replacing a wooden combined sewer pipe, replacing the watermain and installing a new gas line complete with laterals.

It is anticipated that work will commence within three weeks of the tender award and take 14 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 \$691,160, plus net HST for a total project cost of \$714,860, funding is available in the Approved 2006/07 Capital Budget from Account No. CZU00782, Resurfacing Program, Capital Account No. CRU00683, Concrete Curb Repair Program, Capital Account No. CKU00783, Sidewalk Renewals and Capital Account No. CSI00875, Stormwater and Wastewater Remediation Projects and from cost sharing with the Halifax Regional Water Commission and Heritage Gas.

The budget availability has been confirmed by Financial Services.

### **Budget Summary:                      Account No. CZU00782, Resurfacing Program**

Cumulative Unspent Budget	\$1,901,959
Plus: HRWC Cost Sharing	\$ 248,139
Plus: Heritage Gas Cost Sharing	\$ 46,202
Less: <b>Tender No. 06-235</b>	<b>\$ 559,882 *</b>
Less: Tender 06-222	\$ 186,929
Less: Tender 06-244	\$1,048,121
Less: Tender 06-215	<u>\$ 206,758</u>
Uncommitted Balance	<u>\$ 194,610</u>

### **Account No. CRU00683, Concrete Curb Repair Program**

Cumulative Unspent Budget	\$ 387,354
Less: <b>Tender No. 06-235</b>	<b>\$ 53,162 *</b>
Less: Tender No. 06-250	\$ 78,606
Less: Tender No. 06-244	<u>\$ 157,861</u>
Uncommitted Balance	<u>\$ 97,725</u>

### **Account No. CKU00783, Sidewalk Renewals**

Cumulative Unspent Budget	\$ 966,986
Less: <b>Tender No. 06-235</b>	<b>\$ 70,787 *</b>
Less: Tender No. 06-222	\$ 67,715
Less: Tender No. 06-250	<u>\$ 102,892</u>
Uncommitted Balance	<u>\$ 725,592</u>

### **Account No. CSI00875, Stormwater and Wastewater Remediation Projects**

Cumulative Unspent Budget	\$ 200,000
Less: <b>Tender No. 06-235</b>	<b>\$ 31,029 *</b>
Uncommitted Balance	<u>\$ 168,971</u>

\* This project was estimated in the Approved Advanced 2006/07 Capital Budget as follows:

	<u>Budget</u>	<u>Project Cost</u>
1. Paving Renewals Windmill Road (Dawson to Jamieson St)	\$286,000	\$265,541
2. Curb Renewals - Windmill Road (Dawson to Jamieson St)	\$118,000	\$ 53,162
3. Sidewalk Renewals		
3.1 Windmill Rd (Jamieson to Dockyard Annex)	\$111,000	\$ 44,596
3.2 Windmill Rd (Dawson to Pelzant St)	\$ 42,000	\$ 17,697
3.3 Windmill Rd (Pelzant to Brookside St)	\$ 26,000	\$ 8,494
4. Wooden Combined Sewer Replacement	<u>\$ 0</u>	<u>\$ 31,029</u>
Total	\$583,000	\$420,519

The remaining funds from Account No. CZU00782 are required to implement the remaining 2006/07 Resurfacing projects approved by Council. The remaining funds from Account No. CRU00683 are required to implement the remaining 2006/07 Curb Renewal projects approved by Council. The remaining funds from Account No. CKU00783 are required to implement the remaining 2006/07 Sidewalk Renewal projects approved by Council. The remaining funds from Account No. CSI00875 are required to implement the remaining 2006/07 Stormwater and Wastewater Remediation 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 2006/07 Capital Budget.

### **ALTERNATIVES**

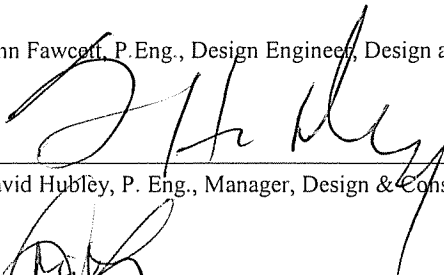
Council could choose not to approve this project or award the sewer replacement portion of the work. Staff does not recommend this alternative for a number of reasons. First, the combined sewer is nearing the end of its service life, and if not replaced now, will require replacement within a period of perhaps seven years or so. Second, if not replaced now on a proactive basis, the pipe may collapse at sometime in the future, necessitating replacement on an emergency basis at a much higher cost.

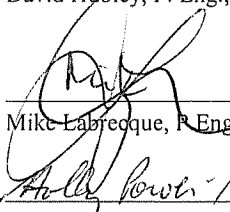
### **ATTACHMENTS**

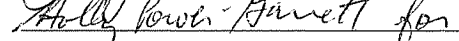
1. Memorandum dated July 14, 2006 to the Halifax Regional Water Commission.
2. Memorandum dated July 14, 2006 to Heritage Gas.

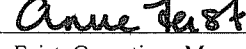
A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/agenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

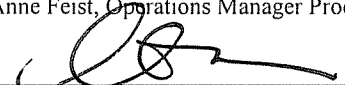
Report Prepared by: John Fawcett, P.Eng., Design Engineer, Design and Construction at 490-6824

Business Unit Review:   
David Hubley, P. Eng., Manager, Design & Construction Services at 490-4845

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

Financial Review:   
Kathy Smith, Financial Consultant, Financial Services at 490-6153

Procurement Review:   
Anne Feist, Operations Manager Procurement, Financial Services at 490-4200

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

JF:cf

## MEMORANDUM

TO: Harold MacNeil, P. Eng., Halifax Regional Water Commission

CC: Jeff Spares, P.Eng., Sr. Design Engineer, Design & Construction  
David Hubley, P.Eng., Manager, Design & Construction

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

DATE: July 14, 2006

SUBJECT: **Tender 06-235 - Windmill Road (Jamieson Street to Dawson Street) - Paving Resurfacing, Watermain Renewal and Gasmain Installation**

Tender 06-235 - Windmill Road (Jamieson Street to Dawson Street) - Paving Resurfacing, Watermain Renewal and Gas Line Installation, East Region closed July 11, 2006. Prior to tender award, a cost sharing agreement must be finalized between HRM and HRWC. Enclosed is a bid comparison summary for the items associated with the water main renewal for this project. They are from the lowest bidder, Amber Contracting Limited to highest.

In the most recent discussions on this subject, HRWC has agreed to pay 50% 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. Based on these unit prices the HRWC's share of reinstatement costs is as follows:

Reinstatement Area	336 m x 2.8 m	=	940.8 m <sup>2</sup>
Cost for Type 1 Gravel	940.8 m <sup>2</sup> x 0.150 m x 2.4 t/m <sup>3</sup> x \$18.00/t	=	\$ 6,096
Cost for Type B Asphalt	940.8 m <sup>2</sup> x \$ 17.00/m <sup>2</sup>	=	\$15,994
Cost for Type C Asphalt	940.8 m <sup>2</sup> x \$ 14.40/m <sup>2</sup>	=	\$13,548
Cost for Planing	940.8 m <sup>2</sup> x \$ 9.00/m <sup>2</sup>	=	<u>\$ 8,467</u>
	Subtotal	=	\$ 44,105
	50% Share of Reinstatement Costs	=	\$ 22,052

Based on the low bidder's tender prices and the above cost sharing, HRWC's costs for Tender Tender 06-235 - Windmill Road (Jamieson Street to Dawson Street) - Paving Resurfacing, Watermain Renewal, and Gas Line Installation, East Region, can be summarized as follows:

Water Main Renewal	\$217, 860.00
Reinstatement Cost Sharing	<u>\$ 22, 052.00</u>
	\$239, 912.00
Net HST (3.429%)	\$ 8, 227.00
<b>Project Total</b>	<b><u>\$248, 139.00</u></b>

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

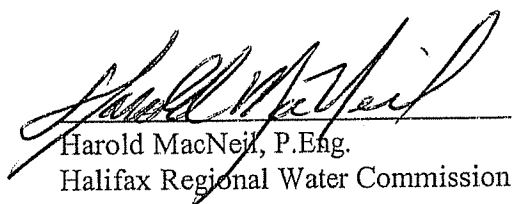
If you agree to this arrangement, please indicate by signing the enclosed copy and returning it to me. If you have any questions, please call me at 490-6824.

Thank you.



John Fawcett, P.Eng.  
Design Engineer

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Harold MacNeil, P.Eng.  
Halifax Regional Water Commission

July 13 / 06  
Date

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PO Box 1749  
Halifax, Nova Scotia  
B3J 3A5 Canada

## MEMORANDUM

TO: Leonard Avery, P. Eng., Heritage Gas

CC: Jeff Spares, P.Eng., Sr. Design Engineer, Design & Construction  
David Hubley, P.Eng., Manager, Design & Construction

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

DATE: July 14, 2006

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Tender 06-235 - Windmill Road (Jamieson Street to Dawson Street) - Paving Resurfacing, Watermain Renewal and Gas Line Installation, East Region closed July 11, 2006. Prior to tender award, a cost sharing agreement must be finalized between HRM and Heritage Gas. Enclosed is a bid comparison summary for the items associated with the water main renewal for this project. They are from the lowest bidder, Amber Contracting Limited to highest.

In the most recent discussions on this subject, Heritage Gas has agreed to pay 50% of the cost of the reinstatement. This includes the cost of the asphalt and gravel over the length of the gas main and across the reinstatement width. Based on these unit prices Heritage Gas's share of reinstatement costs is as follows:

Reinstatement Area for Main Line	0+036 to 0+355 =	319 m x 1.0 m	=	319 m <sup>2</sup>
Reinstatement Area for Laterals	[7 x 11m + 3 x 24 m] x 1m		=	149 m <sup>2</sup>
Total Reinstatement Area			=	468 m <sup>2</sup>
Cost for Type 1 Gravel	468 m <sup>2</sup> x 0.150 m x 2.4t/m <sup>3</sup> x \$18.00/t		=	\$ 3,033
Cost for Type B Asphalt	468 m <sup>2</sup> x \$ 17.00/m <sup>2</sup>		=	\$7,956
Cost for Type C Asphalt	468 m <sup>2</sup> x \$ 14.40/m <sup>2</sup>		=	\$6,739
Cost for Planing	468 m <sup>2</sup> x \$ 9.00/m <sup>2</sup>		=	\$ 4,212



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Subtotal = \$ 21,940

50% Share of  
Reinstatement Costs = \$ 10,970

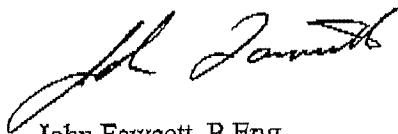
Based on the low bidder's tender prices and the above cost sharing, Heritage Gas's costs for Tender Tender 06-235 - Windmill Road (Jamieson Street to Dawson Street) - Paving Resurfacing, Watermain Renewal, and Gas Line Installation, East Region, can be summarized as follows:

Gas Main	\$ 33,700.00
Reinstatement Cost Sharing	<u>\$ 10,970.00</u>
	\$ 44,670.00
Net HST	\$ 1,532.00
<b>Project Total</b>	<b><u>\$ 46,202.00</u></b>

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 490-6824.

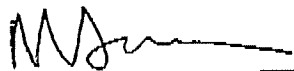
Thank you.



John Fawcett, P.Eng.  
Design Engineer

JF:cf

*for*  
Leonard Avery, P.Eng.  
Heritage Gas



25 July 2006  
Date

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TRANSPORTATION & PUBLIC WORKS SERVICES, Design & Construction

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