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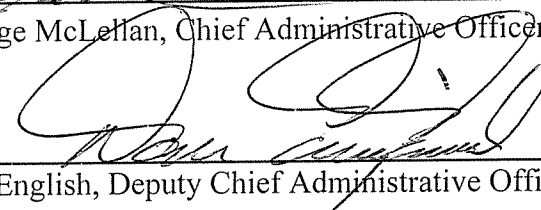
Halifax Regional Council
September 28, 2004

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:



George McLellan, Chief Administrative Officer



Dan English, Deputy Chief Administrative Officer

DATE: September 20, 2004

SUBJECT: Award of Unit Price Tender No. 04-283, Paving and Watermain
Renewal, Parkhill Road, West Region

ORIGIN

Approved 2004/05 Capital Budget.

RECOMMENDATIONS:

It is recommended that Regional Council:

1. approve an increase in the amount of \$75,333 to Capital Account No. CZU00565, Resurfacing to cover the cost of the forcemain renewal with funding from the Environmental Protection Reserve (Q-105), as outlined in the Budget Implications section of this report.
2. approve an increase in the Gross Budget for Capital Account No. CZU00565, Resurfacing by \$118,680 with no change in the Net Budget to cover cost of the watermain renewal on Parkhill Road, due to cost sharing arrangement with HRWC (September 7, 2004).
3. award Tender No. 04-283, Paving and Watermain Renewal, Parkhill Road, West Region to Dexter Construction Company Limited for materials and services listed at the unit prices quoted for a Tender Price of \$224,896.00, plus net HST for a total of \$232,608 from Capital Account No. CZU00565, Resurfacing, as authorized in the Budget Implications section of this report.

BACKGROUND

The 2004/05 Approved Capital Budget includes funds for the resurfacing of Parkhill Road from Civic 38 to Marine Drive.

The forcemain along this section of Parkhill Drive was originally installed in 1965 and is recommended for replacement with dual forcemains as part of the recent HRM Pumping Stations and Forcemains study by SNC Lavalin Inc. The recommendation to replace this forcemain was not known in time to be included in the 2004/05 budget. The forcemain replacement portion of the project will include installing approximately 125 m of dual forcemains. The optimal time to replace this section of the forcemain is in conjunction with the current street resurfacing project. These improvements will improve the level of service to the public.

DISCUSSION

Tenders were called on August 7, 2004, and closed on August 31, 2004. The following bids, exclusive of taxes, were received:

| | <u>Bid Price</u> |
|---|-------------------------|
| 1. Dexter Construction Company Limited | \$224,896.00 |
| 2. Sackville Trenching Limited | \$229,624.00 |
| 3. Brycon Construction Limited | \$272,000.00 |
| 4. Amber Contracting Limited | \$287,710.00 |
| 5. A.C.L. Construction Limited | \$312,460.00 |
| 6. Harbour Construction Company Limited | \$331,610.00 |

The work generally consists of the installation of 200 mm diameter watermain, the replacement of the existing sanitary sewer forcemain with dual 200 mm diameter forcemains, and the installation of street gravels and asphalt.

It is anticipated that work will commence within three weeks after award of tender.

This is a **UNIT PRICE** contract and the cost will be dependant 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 an increase of \$75,333* from the Environmental Protection Reserve (Q105), funding is available in the amount of \$224,896.00 plus net HST for a total of \$232,608, from Capital Account No. CZU00565, Resurfacing. The budget availability has been confirmed by Financial Services.

Budget Summary: Capital Account No. CZU00565, Resurfacing

| | |
|---|-------------------|
| Cumulative Unspent Budget | \$1,615,220 |
| Plus: Increase from Reserve Q105 | \$ 75,333* |
| Plus: HRWC Cost Sharing | \$ 118,680 |
| Less: Tender 04-283 | <u>\$ 232,608</u> |
| Balance of Account | \$ 1,576,625 |

* The Environmental Protection Reserve (Q105) is intended to be used to fund Capital Projects associated with pumping stations and associated forcemains. The estimate for replacing this section of the forcemain was \$80,000.

The cost for the resurfacing portion of this project is \$38,595. HRM Staff had estimated the resurfacing portion of this project in the 2004/05 Capital Budget at \$65,000. The significant savings can be attributed to economies of scale accomplished through bundling of projects.

FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating budget, 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 Capital Budget as well as the withdrawals from Reserves.

ALTERNATIVES

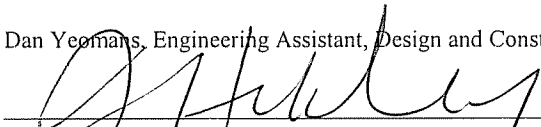
There are no recommended alternatives.

ATTACHMENT


Letter of cost sharing agreement with the Halifax Regional Water Commission.

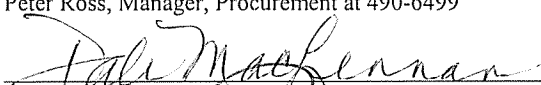
Additional copies of this report, and information on its status, can be obtained by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

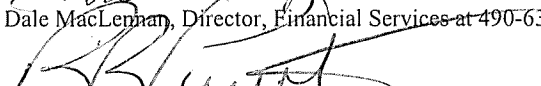
Report Prepared by: Dan Yeomans, Engineering Assistant, Design and Construction Services at 490-6822

Report Approved by: 
David Hubley, P. Eng. Manager, Design & Construction Services at 490-6820

Report Approved by: 
Brad Anguish, P. Eng. Director, Environmental Management Services at 490-4825

Report Approved by: 
Peter Ross, Manager, Procurement at 490-6499

Report Approved by: 
Dale MacLennan, Director, Financial Services at 490-6308

Report Approved by: 
Rick Paynter, P. Eng., Director, Public Works and Transportation at 490-4855

DY:cf



PO Box 1749
Halifax, Nova Scotia
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MEMORANDUM

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

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

FROM: Dan Yeomans, Design & Construction Services

DATE: September 7, 2004

SUBJECT: Tender 04-283 - Parkhill Road - Paving and Water Main Renewal, West Region

Tender 04-283 - Parkhill Road - Paving and Water Main Renewal, West Region closed August 31, 2004. 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, Dexter Construction Company Limited.

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. For this particular project the first section from 0+000 to 0+070 had recently been renewed so HRWC is responsible for the full cost of reinstatement, which includes planing and resurfacing the entire area. The unit prices for asphalt and gravel are also shown on the attached summary. Based on these unit prices the HRWC's share of reinstatement costs is as follows:

| | | |
|---|---|--------------------|
| Reinstatement Area Type C Asphalt 70 m x 4.0 m (0+000 to 0+070) | = | 280 m ² |
| Trench Reinstatement 70 m x 2.8 m | = | 196 m ² |
| Cost for Type 1 Gravel 196 m ² x \$12.00/m ² | = | \$ 2,352 |
| Cost of Type 2 Gravel 196 m ² x \$21.00/m ² | = | \$ 4,116 |
| Cost for Type B Asphalt 196 m ² x \$ 12.00/ m ² | = | \$ 2,352 |
| Cost for Type C Asphalt 280 m ² x \$ 10.00/ m ² | = | \$ 2,800 |

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| | | | |
|---------------------------------|---|---|--------------------|
| Cost for Planing | 280 m ² x \$ 10.00/m ² | = | <u>\$ 2,800</u> |
| | Subtotal | = | \$14,420 |
| Reinstatement Area 0+070 to End | 192 m x 2.8 m | = | 538 m ² |
| Cost for Type 1 Gravel | 538 m ² x \$12.00/m ² | = | \$ 6,456 |
| Cost of Type 2 Gravel | 538 m ² x \$21.00/m ² | = | \$11,298 |
| Cost for Type B Asphalt | 538 m ² x \$ 12.00/ m ² | = | \$ 6,456 |
| Cost for Type C Asphalt | 538 m ² x \$ 10.00/m ² | = | \$ 5,380 |
| Cost for Planing | 538 m ² x \$ 10.00/m ² | = | \$ 5,380 |
| | Subtotal | = | \$34,970 |
| | 50% Share of Reinstatement Costs | = | \$17,485 |

Based on the low bidder's tender prices and the above cost sharing, HRWC's costs for Tender 04-283 - Parkhill Road - Paving and Water Main Renewal, West Region, can be summarized as follows:

| | |
|-----------------------------------|--------------------------|
| Water Main Renewal | \$ 82, 840.00 |
| Reinstatement Cost 0+000 to 0+070 | \$ 14, 420.00 |
| Reinstatement Cost Sharing | <u>\$ 17, 485.00</u> |
| | \$114,745.00 |
| Net HST | \$ 3,935.00 |
| Project Total | <u>\$ 118,680</u> |

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 490-6822.

Thank you.

Dan Yeomans
Dan Yeomans
Engineering Assistant

Harold MacNeil

Harold MacNeil, P.Eng.
Halifax Regional Water Commission

Sep. 09/04

Date

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