

11.1.7

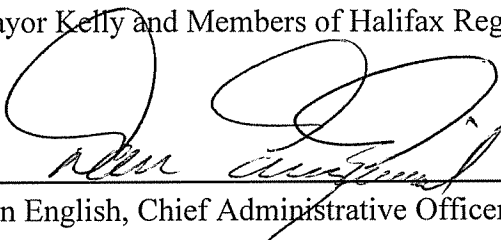


PO Box 1749
Halifax, Nova Scotia
B3J 3A5 Canada

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: July 3, 2007

SUBJECT: **Award - Tender No. 07-354, Roach's Pond Pumping Station -
Forcemain Replacement**

ORIGIN

2006/2007 Capital Budget

RECOMMENDATION

It is recommended that Council

1. award Tender No. 07-354 to Amber Contracting Limited for a Total Tender Price of \$1,054,435.90 (net HST included) with funding from Account CSR00803 - Roach's Pond Pumping Station Forcemains, as outlined in the Budget Implications section of this report; and
2. approve the appointment of SNC Lavalin Inc. for contract administration and construction inspection services, for an estimated fee of \$51,197.36 including net HST, with funding to come from Account CSR00803 - Roach's Pond Pumping Station Forcemains, as outlined in the Budget Implications section of this report.

BACKGROUND

The Roach's Pond Pumping Station was originally built in 1964 and is located on Princeton Avenue in Halifax. It serves a sewershed with an estimated (2007) population of approximately 10,000. Upgrades to the station in 1985 included the addition of a mechanical bar screen, a grit removal system, a retention tank, an overflow sewer, and valves on suction lines.

The pumping station is subject to major increases in flow volume during wet weather events. During certain rainfall events, this station will overflow into the McIntosh Run. This typically occurs ten to twelve times per year, depending on the number and intensity of rainfall events.

There are presently two forcemains, each approximately 700 m long, one of which is 400 mm in diameter and the other 450 mm diameter. These forcemains are subject to frequent breaks due to age, the pipe material (asbestos cement) and to general structural deterioration. The size and condition of the existing forcemain is a limiting factor on the pumping station capacity.

The scope of work includes the replacement of the forcemains and is expected to take approximately 18 weeks to complete. Construction will take place in such a way that the Roach's Pond Pumping station will remain operational throughout the project.

Replacement of the forcemains is one of a number of steps that will be undertaken at the Roach's Pond Pumping Station to ensure continued safe operation, to maintain regulatory compliance by reducing overflows, and to provide for future growth.

Future work will be undertaken to upgrade the pumping station itself, including replacement of the pumps, installation of backup power, additional screening of overflows, and other structural, mechanical and electrical upgrades. Some downstream sections of the existing sewer will also need to be upgraded. Staff are intending to begin design of this work in 2007/08.

Additionally, a second storage tank is presently being constructed at this pumping station as a part of the Halifax Harbour Solutions Project. It is expected to be operational in 2008. The addition of this tank will double the existing storage capacity and is therefore expected to result in even fewer overflows into the McIntosh Run.

This work is a high Priority Two according to the Stormwater and Wastewater Priority Rating Process approved by Council in February of 2005. This rating is due to frequency of overflows into the McIntosh Run and our commitment to residents and our regulators, both NSEL and the Medical Officer of Health, that we address this situation in a timely fashion.

DISCUSSION

Tenders were called on June 6, 2007 and closed on June 19, 2007. The following six bids, exclusive of taxes, were received:

	<u>Company</u>	<u>Bid Price</u>
1.	Amber Contracting	\$1,019,478.00*
2.	Tri-Ex Construction	\$1,148,369.00
3.	ACL Limited	\$1,320,955.00
4.	Dexter Construction	\$1,419,000.00
5.	W Eric Whebby Ltd.	\$1,978,140.00
6.	J.R. Eisener Contracting Ltd.	\$2,103,610.00

***recommended bidder**

BUDGET IMPLICATIONS

The total project cost is \$1,105,633.26, including net HST. This amount is comprised of the lowest tendered price of \$1,054,435.90, including net HST, and a Contract Administration and Construction Inspection Services price of \$51,197.36, including net HST.

Funding is available from Account number CSR00803 - Roach's Pond Pumping Station - Forcemain Replacement, Halifax. The budget availability has been confirmed by Financial Services.

Budget Summary: Capital Account No. CSR00803 - Roach's Pond Pumping Station - Forcemain Replacement

Cumulative Unspent Budget	\$ 2,401,287
Less: Tender No. 07-354	\$ 1,054,436 *
Less: <u>Construction Inspection Services</u>	\$ <u>51,197</u> *
Balance	\$ 1,295,654

* This project was estimated in the Approved 2006/07 Capital Budget at \$2,400,000.

The balance of funds will be used toward future upgrading work related to the Roach's Pond Pumping Station. As well, some funding is being diverted towards the Fairview Overpass Combined Sewer Rehabilitation project, which is the subject of another report to Council, also dated July 3, 2007.

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.

ALTERNATIVES


Council could choose to do nothing which would result in further deterioration of the existing forcemains and increased risk of breakage, potentially resulting in an environmental emergency and a threat to public health. As well, overflows into the McIntosh Run would continue during wet weather events.

Staff does not recommend this option.


ATTACHMENTS

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: Barbara MacLean, P.Eng., Env. Engineer, Environmental Engineering Services at 490-3685



Report Approved by: John Sheppard, P.Eng., Manager, Environmental Engineering Services at 490-6958



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



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