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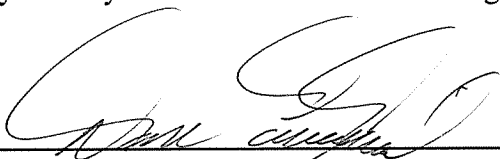


PO Box 1749
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Halifax Regional Council
March 7, 2006

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:



Dan English, Chief Administrative Officer



Wayne Anstey, Acting Deputy Chief Administrative Officer

DATE: February 27, 2006

SUBJECT: Award of Unit Price Tender No. 05-296, Johnson Road Pumping Station Upgrade Phase II - East Region

ORIGIN

Report to Council November 22, 2005, MRIF - Request for Council Direction, containing a discussion of the proposed North Preston Water and Sewer Project.

RECOMMENDATION

It is recommended that:

1. Council award Tender No. 05-296 Johnson Road Pumping Station Upgrade Phase II - East Region to J. R. Eisener Contracting Limited for materials and services, as described in the discussion section, for a Tender Price of \$179,165 including net HST.
2. Council authorize the use of \$98,846 from Account No. CSU00146 North Preston Sewage Treatment Plant Upgrade, and \$80,319 from Account No. CGI00605 Johnson Road Pumping Station in order to award the tender for 05-296 Johnson Road Pumping Station Upgrade II, as per the budget implications section of this report.

BACKGROUND

North Preston Sewage Treatment Plant

Conditions at the North Preston Sewage Treatment Plant and in the receiving water body of Whynder Lake require that the plant be expanded and upgraded. In addition, the plant's expansion and upgrade are required in order to accommodate the higher hydraulic loads resulting from the wastewater collection system. The wastewater collection system suffers from excessive infiltration/inflow. The treatment plant expansion and upgrade has been designed and tendered.

Johnson Road Pumping Station

A Wastewater Pumping Stations and Forcemains Study was completed in 2004 for all of HRM's pumping station infrastructure. A number of stations were identified as priority stations and were reviewed in detail. Johnson Road Pumping Station in North Preston, which pumps wastewater to the treatment plant, is one of those priority stations.

Wet weather overflows at the Johnson Road Pumping Station are caused by excessive infiltration/inflow into the tributary sewer system. Based on staff's experience, the station overflows approximately twelve times a year. The station's overflow discharges into a nearby wet area which flows overland towards Long Lake.

The withdrawal for the public water supply system for North Preston is from the same lake, which represents a possible public health issue. In addition, Long Lake flows into Lake Major, which is the source of water for the public water supply system in Dartmouth, which is another potential public health concern.

A limited flow gauging program was completed in the spring of 2005 to gain further insight into the wet weather overflow problem. The results of the program showed that the magnitude of the wet weather overflows was much greater than originally understood.

The various strategies available to address the wet weather overflow problem were presented to the Federal Department of Fisheries and Oceans, Provincial Department of Environment and Labour, and the Nova Scotia Medical Officer of Health by staff of HRM and HRWC, and a strategy to address the problem was accepted by those present.

The accepted strategy involves implementing a number of initial measures to address the wet weather overflow problem in an immediate fashion with the intent to follow up this work with an overall wastewater management plan. The initial measures include upgrades to the Johnson Road Pumping Station and adjustments to the already planned expansion and upgrade to the North Preston Wastewater Treatment Plant to accept peak wet weather flows.

The North Preston Water and Sewer Project is the No. 1 overall priority wastewater project in HRM, because of potential risks related to the water supply in North Preston if the project is not completed. This project and the proposed scope of work have been reviewed by the Federal Department of Fisheries and Oceans, Nova Scotia Department of Environment and Labour and the Nova Scotia Medical Officer of Health. They are in support of the project and they have indicated to HRM staff that this is a high-priority project.

DISCUSSION

Tenders were called on January 28, 2006 and closed on February 21, 2006. The following bids, exclusive of taxes, were received:

	<u>Bid Price</u>
1. J.R. Eisener Contracting Limited	\$173,225.00
2. Amber Contracting Limited	\$201,662.00
3. A.C.L. Construction Limited	\$248,000.00

The scope of work for this tender generally consists of the construction of a building addition; installation of new pumping equipment, associated piping as well as upgrades to the site, electrical system, mechanical system and wet well.

The nature of the situation in North Preston requires a quick and effective response to the wet weather overflow problem. This work will have an immediate effect of reducing the number of overflows by increasing pumping capacity and transferring the flows to the treatment plant.

However, this is only an interim solution. Additional work will be needed and will be identified through the completion of the North Preston Wastewater Management Plan.

A total project cost of \$4.55 million has been developed for the overall North Preston Water and Sewer project. It includes upgrades to the Johnson Road Pumping Station, North Preston Water Treatment Plant, North Preston Wastewater Treatment Plant, and completion of the North Preston Wastewater Management Plan.

It is anticipated that this work will commence immediately following tender award and take twelve (12) 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

Funding for this project is available under Account No. CGI00605 Johnson Road Pumping Station and No. CSU00146, North Preston Sewage Treatment Plant Upgrade. The funding for this project is being withdrawn from these two accounts as the project at hand is a smaller component of a much larger overall strategy to address the wet weather problem for the full North Preston Wastewater Treatment Plant Sewershed. For practical purposes account numbers CGI00605 Johnson Road Pumping Station and CSU00146 North Preston Sewage Treatment Plant Upgrade will be consolidated. The budget availability has been confirmed by Financial Services.

Budget Summary: Account No. CGI00605, Johnson Road Pumping Station,

Cumulative Unspent Budget (CGI00605)	\$80,319
Less: Tender No. 05-296	<u>\$80,319</u>
Balance of Account	\$ 0

Budget Summary: Account No. CSU00146, North Preston STP Upgrade

Cumulative Unspent Budget (CSU00146)	\$651,849
Less: Tender No. 05-296	<u>\$ 98,846</u>
Balance of Account	\$553,003

In accordance with the direction given to staff by Council on November 22, 2005, an application has been submitted to the Municipal Rural Infrastructure Fund (MRIF) Program for the North Preston Water and Sewer Project. The MRIF application was submitted on January 23, 2006.

A total project cost of \$4.55 million has been developed and includes upgrades to the North Preston Water Treatment Plant, Johnson Road Pumping Station, North Preston Wastewater Treatment Plant and completion of the North Preston Wastewater Management Plan.

In addition, the project also includes additional wastewater system upgrades required to address the overall wet weather overflow problem. It is anticipated that by early May it will be known if HRM's MRIF application has been approved or not. If HRM is unsuccessful in obtaining this funding, alternative funding sources will be required to complete the North Preston Water and Sewer Project

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

This project is part of an approach accepted by the Federal Department of Fisheries and Oceans, Nova Scotia Department of Environment and Labour and the Nova Scotia Medical Officer of Health. Therefore, there are no recommended alternatives. Given the magnitude of the wet weather overflow problem and the function of the receiving water, this issue is a Priority 1 Project based on the Priority Rating Process that was adopted by Council in February, 2005.

ATTACHMENTS

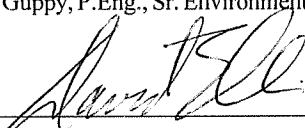
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A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/cagenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.


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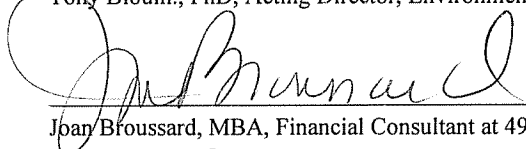
Business Unit Review:

 *Feb 25/06*
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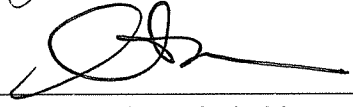
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Financial Review:


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