



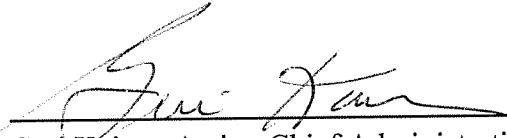
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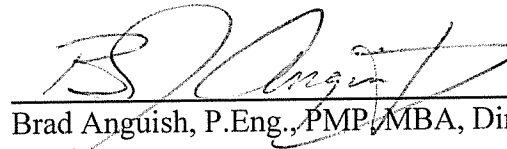
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Halifax Regional Council  
May 29, 2007

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

**SUBMITTED BY:**

  
Geri Kaiser, Acting Chief Administrative Officer

  
Brad Anguish, P.Eng., PMP/MBA, Director, Environmental Engineering Services

**DATE:** May 29, 2007

**SUBJECT:** Award - RFP No. 07-331, Consulting Engineering Services  
Bedford-Sackville Trunk Sewer - Hydraulic & Operational Assessment

**ORIGIN**

2006/07 Capital Budget.

**RECOMMENDATION**

It is recommended that Regional Council award Request for Proposal (RFP) 07-331 for Consulting Engineering Services - Bedford-Sackville Trunk Sewer - Hydraulic & Operational Assessment, to the highest scoring proponent, SNC-Lavalin Inc., at a cost of \$170,569.94 including net HST with funding from Capital Account No. CGI00610, as outlined in the Budget Implications section of this report.

## **BACKGROUND**

The Bedford-Sackville Trunk Sewer was constructed in the 1970s and serves the communities of Sackville, Beaver Bank, and parts of Bedford. The trunk sewer extends from its upper limit at Millwood Drive near Beaver Bank Cross Road to its outlet into the Fish Hatchery Pumping Station at the head of the Bedford Basin. The pumping station delivers the sewage via twin forcemains to the Mill Cove Wastewater Treatment Facility in Bedford.

The trunk sewer consists of approximately ten kilometres of concrete pipe ranging in size from 375mm to 1200mm diameter and contains approximately 135 manholes. The sewer is located primarily in the floodplains of the Little Sackville and Sackville Rivers.

The trunk sewer is subject to surcharging during wet weather events. A need for system storage along the trunk sewer to alleviate wet weather surcharging was identified at a current estimated cost of \$14 million in 2007 dollars. Previous studies together with input from staff have also identified the need for operational improvements along the trunk sewer and at the inlet works of the Fish Hatchery Pumping Station. The Hydraulic & Operational Assessment will confirm the improvements needed to the trunk sewer and pumping station such that system storage costs can be minimized and operational efficiencies can be implemented. The main objectives of this project are to:

- Conduct hydraulic analysis of the Bedford-Sackville Trunk Sewer.
- Conduct an operational assessment of the Fish Hatchery Pumping Station inlet works to identify areas for improving operational and maintenance efficiencies.
- Prepare tender ready packages for the design of a) the Sackville River sewer crossing located adjacent to the Ponderosa restaurant in Bedford, and b) the improvements needed at the Fish Hatchery Pumping Station.
- Prepare a conceptual design for other improvements throughout the trunk sewer system.

The ongoing wet weather overflows into a freshwater receiving environment and the system capacity constraints make this project a high Priority 2 project.

## **DISCUSSION**

The RFP (07-331) for the Bedford-Sackville Trunk Sewer - Hydraulic & Operational Assessment closed on April 26, 2007 and three proposals were received.

The proposals were evaluated by two staff members from Environmental Engineering Services and one staff member from Design & Construction Services. A representative from Procurement Services attended the evaluation meeting.

The results of the evaluation are outlined as follows:

<b>Consultant</b>	<b>Evaluation Score</b> (Maximum Score = 1000)	<b>Cost of Services</b> (including net HST)
SNC-Lavalin Inc.	765	\$170,569.94
Terrain Group Inc.	704	\$526,114.36
CBCL Limited	674	\$118,022.83

The award of this contract will allow HRM to identify capital improvements which will reduce surcharging at key locations along the trunk sewer. Additionally, it will enable an operational review and design of improvements at the Fish Hatchery Pumping Station. Staff anticipate that the improvements developed in this assignment will help reduce the capital expenditures required for system storage in the future (currently estimated in 2007 at \$14 million) and will increase overall operational efficiency for the trunk sewer system.

This project will be followed by the construction phase which will require additional funding (refer to the budget implications section of this report for account details). The additional funding will be requested through HRM’s annual business plan and budget process (or through the Halifax Regional Water Commission pending the merger).

**BUDGET IMPLICATIONS**

Funding for this project is available in the Capital Budget from Account No. CGI00610 for the Bedford-Sackville Trunk Sewer. The budget availability has been confirmed by Financial Services.

**Budget Summary:**

<b><u>Account No. CGI00610 - Bedford -Sackville Trunk Sewer</u></b>	
Cumulative Unspent Budget	\$ 620,822
Less: <b>RFP 07-331</b>	\$ 170,570
Uncommitted Balance	<u>\$ 450,252</u>

The fee for this assignment was estimated at \$175,000.

Any remaining funds will be used on later phases of this 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**

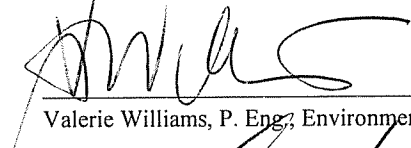
1. Council could choose to reject the recommendation to award the Bedford-Sackville Trunk Sewer - Hydraulic & Operational Assessment consulting services assignment. Staff does not recommend this option as the trunk sewer system is in need of works to eliminate occurrences of wet weather overflows. The work to be completed in this assignment will also allow HRM to allocate capital expenditures for the improvements to the trunk sewer system in the area most in need. Due to the ongoing overflows to a freshwater receiving environment and the system capacity constraints, this project is categorized as a high Priority 2 project.
2. Council could choose to award the Bedford-Sackville Trunk Sewer - Hydraulic & Operational Assessment consulting services assignment to the consultant with the lowest price. Staff does not recommend this option as the consultant with the lowest price also ranked the lowest overall in terms of the various rating criteria.

**ATTACHMENTS**

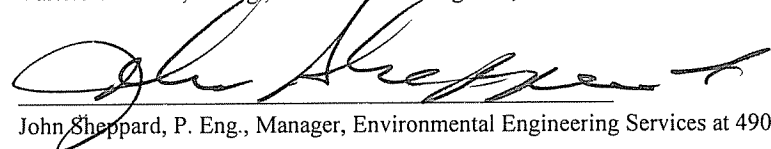
Attachment A - Proposal Evaluations.

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.

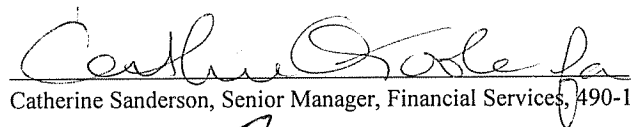
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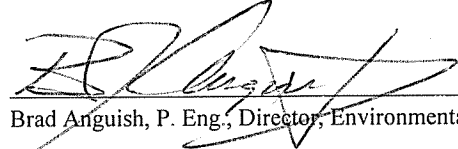
Report Approved by:

  
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., Director, Environmental Management Services at 490-4825

**Attachment A**  
Proposal Evaluations

<b>Request for Proposal RFP 07-331, Consulting Engineering Services Bedford Sackville Trunk Sewer - Hydraulic &amp; Operational Assessment</b>				
<b>Criteria</b>	<b>Max. Score</b>	<b>SNC-Lavalin Inc.</b>	<b>Terrain Group Inc.</b>	<b>CBCL Limited</b>
Understanding & Implementation	400	310	303	258
Experience & Project Team Qualifications	250	192	196	167
Project Management & Quality Control	250	194	183	149
Price (including net HST)	100	69 (\$170,569.94)	22 (\$526,114.36)	100 (\$118,022.83)
<b>Total Score</b>	<b>1000</b>	<b>765</b>	<b>704</b>	<b>674</b>