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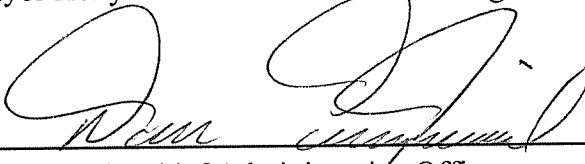


PO Box 1749  
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**Halifax Regional Council**  
**March 27, 2007**

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

**SUBMITTED BY:**

  
\_\_\_\_\_  
Dan English, Chief Administrative Officer

  
\_\_\_\_\_  
Wayne Anstey, Deputy Chief Administrative Officer - Operations

**DATE:** March 15, 2007

**SUBJECT:** Award - Unit Price Tender No. 06-370, Chandler Drive Pumping Station Upgrade - Central Region

**ORIGIN**

The Approved Advanced 2007/08 Capital Budget.

**RECOMMENDATION**

It is recommended that Council:

1. Award Tender No. 06-370 Chandler Drive Pumping Station Upgrade - Central Region, to Brycon Construction Limited for materials and services listed at the unit prices quoted for a Total Tender Price of \$556,448.02 (net HST included) with funding from CGU00689 as outlined in the Budget Implications section of this report.
2. Award contract administration and construction inspection services for Tender No. 06-370 Chandler Drive Pumping Station Upgrade - Central Region, to SNC-Lavalin Limited for a Total Tender Price of \$51,714.50 (net HST included), with funding from CGU00689 as outlined in the Budget Implications section of this report.

3. Change the advanced approved funding source for Account No. CGU00689, Chandler Drive Pumping Station Upgrade from Sewer Redevelopment Reserve (Q104) in the amount of \$600,000 to Canada Strategic Infrastructure Fund (CSIF) as outlined in the Discussion section of this report.
4. Approve an increase in the Approved Advanced 2007/08 Capital Budget in the amount of \$70,000 for Account No. CGU00689, Chandler Drive Pumping Station Upgrade with funding coming from CSIF as outlined in the Budget Implications section of this report.

### **BACKGROUND**

The Chandler Drive Pumping Station was constructed in 1969. It services a residential area comprised of approximately 330 residences and the Caudle Park School. The pumping station is susceptible to high wet weather flows during heavy rainfall events, and overflows about eight times a year on average. The overflows are into First Lake, which is surrounded by development and which is heavily used for recreational activities. The overflows from the pumping station create a public health risk and negatively impact the lake's water quality.

During periods of high flow HRM Technical and Underground Services (TUGS) endeavours to mitigate this situation by deploying a pumper truck to this pumping station (and many others in HRM), to pump down the high flows in the wet well, to reduce the overflow into First Lake. This approach is not reliable or sustainable and does not meet an acceptable service standard.

This pumping station was studied as part of the 2003 Wastewater Pumping Stations and Forcemain Study commissioned by HRM. This study recommended that a holding tank be installed at the Chandler Drive Pumping Station to address the wet weather overflow problem.

The Chandler Drive Pumping Station Upgrade project will provide an overflow holding tank at the Chandler Drive Pumping Station. The project is a Priority 2 project based on the Priority Rating Process approved by Regional Council in February 2005, in that the overflows are in violation of provincial regulations.

### **DISCUSSION**

Staff are recommending that the project be funded from the Canada Strategic Infrastructure Fund (CSIF). The four categories of the CSIF, and the funding amount for each are as follows:

Diffuser Ratio Upgrade	\$ 2.5 million
Central Biosolids Dewatering Facility	\$ 3.5 million
Pumping Station/Wet Weather Flow Solutions -	\$ 9.0 million
Combined Sewer Overflow Prevention -	<u>\$15.0 million</u>
Total	\$30.0 million

On October 31, 2006, Council approved Advanced Funding for this project in the amount of \$600,000 to be funded from Sewer Redevelopment Reserve (Q104). As this project will qualify for funding from CSIF (Pumping Station/Wet Weather Flow Solutions), staff is now recommending that the funding sources for this project be changed.

The recommended change will help ensure that the balance of CSIF funds are used prior to the program deadline. The \$600,000 pre-approved for this project will be returned to the Sewer Redevelopment Reserve (for trunk sewers) for use in a future project. The revised change in funding source from Sewer Redevelopment Reserve to CSIF has a net zero impact on the Approved Advanced 2007/08 Capital Budget.

The primary purpose of the project is to provide storage for wet weather flows at the Chandler Drive Pumping Station, which will reduce wastewater overflows from the pumping station into First Lake. This therefore complies with the criteria for the Pumping Station/Wet Weather Flow Solutions category of CSIF. It should be noted that the reduction in wastewater overflows will have environmental benefits for First Lake, and will reduce the risk to public health which is associated with any wastewater overflow.

There are time lines to be met related to the use of CSIF funds. Funding this project from CSIF will help ensure that HRM meets these time lines. Further, it should be noted that funding this project from CSIF will largely complete the allocation of the full \$30 million to specific projects in HRM. It is anticipated that all projects will be completed by March 2009.

Tenders were called on February 10, 2007 and closed on March 6, 2007. The following bids were received:

	<b><u>Name of company</u></b>	<b><u>Bid Price (Net HST included)</u></b>
1.	Brycon Construction Limited	\$556,448.02*
2.	Tri-Ex Construction Limited	\$596,433.67
3.	ACL Construction	\$661,945.60
4.	Harbour Construction	\$664,027.62
5.	Amber Construction Limited	\$742,229.26
6.	W. Eric Whebby	\$850,186.38
7.	J.R. Eisener Contracting Limited	\$863,826.60

\*recommended bidder

The scope of work for this tender generally consists of the installation of an underground concrete holding tank, which will store excessive volumes of wastewater during periods of high flow, and thereby reduce overflows into First Lake. The wastewater stored in this holding tank will be later conveyed back into the wastewater system once the peak of the storm has passed.

**Award - Tender No. 06-370, Chandler Drive  
Pumping Station Upgrade - Central Region  
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Since this project was designed by SNC-Lavalin Inc., and will require more staff time than can be allocated at this time, it is recommended that SNC-Lavalin be retained to provide contract administration and construction inspection services. The tender award for this service is \$51,714.50 (net HST included). If approved, the payment to the consultant will be based on the amount of actual time spent on the project in accordance with the hourly fees quoted in the proposal.

It is anticipated that work will commence within three weeks of the tender award and take 20 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**

The total estimated project cost for this award is \$608,162.52, including net HST. This amount consists of the lowest tendered price of \$556,448.02, including net HST; and Construction Phase Services of \$51,714.50, including net HST.

Funding is available in the Approved Advanced 2007/08 Capital Budget from Account No. CGU00689, Chandler Drive Pumping Station Upgrade. The budget availability has been confirmed by Financial Services.

**Capital Account No. CGU00689, Chandler Drive Pumping Station Upgrade**

Cumulative Unspent Budget	\$ 600,000.00
Add: Budget Increase (CSIF)	\$ 70,000.00
Less: Tender No. 06-370	\$ 556,448.02*
Less: SNC-Lavalin Construction Phase Services	<u>\$ 51,714.50</u>
Uncommitted Balance	\$ 61,837.48

\*The remaining balance will be used, if necessary, to fund any unforeseen costs which may arise during the construction phase.

This project was originally estimated at \$600,000 in the Approved Advanced 2007/08 Capital Budget.

**FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN**

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, 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 Approved Advanced 2007/08 Capital Budget.**

**ALTERNATIVES**

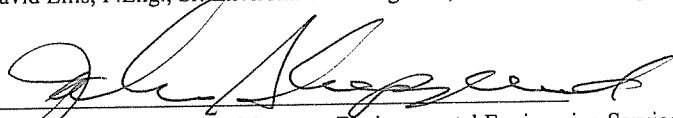
There are no recommended alternatives. If the project does not proceed, overflows from the pumping station will continue. These overflows are a public health risk and have a negative impact on the environment of First Lake.


**ATTACHMENTS**

None.

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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