

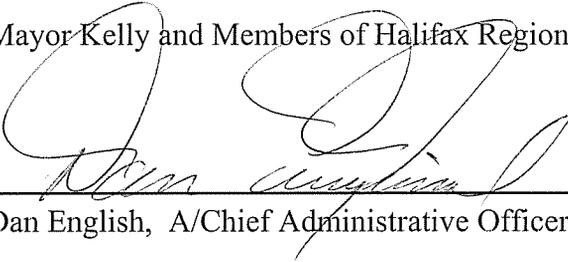


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Halifax Regional Council  
February 26, 2002

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

**SUBMITTED BY:**

  
Dan English, A/Chief Administrative Officer

**DATE:** February 18, 2002

**SUBJECT:** **Proposal Call No. 02-316, Engineering Services,  
Twin Cities Pumping Station Upgrade and Forcemain Investigation**

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### ORIGIN

The upgrade to the Twin Cities Pumping Station, adjacent to Sandy Lake in Bedford, was included in the 2001/02 HRM Capital Budget as part of the Pumping Stations and Forcemains - 2001/02 Capital Program.

The Forcemain Investigation component of that Project is required because of three separate breaks in the forcemain. The investigation is also required by the Nova Scotia Department of Environment and Labour (NSDEL.)

### RECOMMENDATION

It is recommended that Proposal Call No. 02-316, Engineering Services, Twin Cities Pumping Station Upgrade and Forcemain Investigation, be awarded to SNC Lavalin Inc. for an estimated cost of \$49,539. plus net HST and 10% for unforeseen extra costs that may arise during the design process, for a Total Project Cost of \$58,000., with funding as per the Budget Implications section of this report.

## **BACKGROUND**

In 2000, staff identified a list of remedial work projects involving eight pumping stations located throughout HRM. An overall budget covering all of the remedial work was included in the 2001/02 Capital Budget. Upgrade works to the existing Twin Cities Pumping Station was a component of that project listing.

## **DISCUSSION**

A call for proposals for this project was advertised on January 5, 2002 and closed on January 18, 2002. The engineering work involves the design of a back up power system for the pumping station and the investigation, inspection and testing of the existing forcemains. The services to be provided by the consultant are as follows:

### Engineering Design of the Pumping Station Upgrade (Back Up Power):

- investigation of the project site and collection of relevant data
- preparation of preliminary design drawings and related activities
- preparation of final detail design drawings, technical specifications and related activities
- issuing and receiving tenders and recommending award.

### Forcemain Investigation:

- investigation of the project site and collection of relevant data
- investigation of the cause of the forcemain breaks
- organizing and coordinating field activities
- collecting forcemain pipe specimens and testing them
- preparation of a report outlining the findings of the forcemain investigation
- review and make recommendations regarding the inspection of all forcemains within HRM
- review and make recommendations regarding the early detection of leaks in forcemains.

A team of staff from Public Works and Transportation Services reviewed the only proposal submitted, and recommended that SNC Lavalin be awarded the work. Based on an estimated cost of \$49,539. plus net HST and 10% for unforeseen extra costs that may arise during the design process, the Total Project Cost is \$58,000.

## **BUDGET IMPLICATIONS**

Funding for this project in the amount of \$58,000. is available in the Approved Capital Budget in Account No. CGR00371, Pumping Stations and Forcemains Upgrades, with an uncommitted balance of \$502,734. which has been confirmed by staff of Finance (Gross Budget \$692,000.)

FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN

Funds have been approved for the construction of the projects in Account No. CGR00371, Pumping Stations and Forcemains Upgrades. This memo 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.

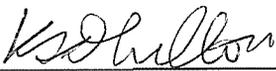
ALTERNATIVES

There are no recommended alternatives to this course of action.

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.

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Report Approved by:

  
Kulvinder Dhillon, P.Eng., Director, Public Works and Transportation Services

IG/bhs