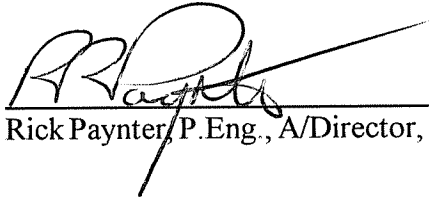

Halifax Regional Council
June 18, 2002

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:



George McLellan, Chief Administrative Officer



Rick Paynter, P. Eng., A/Director, Public Works and Transportation Services

DATE: June 10, 2002

SUBJECT: **Consultant Engineering Services Award RFP 02-001**
Infiltration/Inflow Reduction Program - Sackville Sewer System,
Sub-Sewersheds 6 and 7

ORIGIN

The approved 2000/01 Capital Budget - Sackville Sewer System, Account No. CSR00802.

RECOMMENDATION

It is recommended that RFP 02-001, Consultant Engineering Services, Infiltration/Inflow Reduction Program - Sackville Sewer System, Sub-Sewersheds 6 and 7, be awarded to Hydro-Com Technologies Ltd. for a cost of \$85,900 plus net HST, for a Total of \$91,423 with funding from Account No. CSR00802 as per the Budget Implications section of this report.

BACKGROUND

A study of the Sackville sewer system and the serviceable boundary conducted by Porter Dillon Ltd. in 1996/97 identified capacity constraints in the Sackville trunk sewer and calculated the infiltration/inflow (I/I) rates within the sanitary sewer system. The entire sewershed was divided into seven sub-sewersheds. The consultant recommended an I/I Reduction Program for the Sackville sewer system. In reviewing the rates of I/I, staff noted that rates in sub-sewersheds 6 and 7 were much higher than the other sub-sewersheds. Therefore, sub-sewersheds 6 and 7 were chosen to start the implementation of an I/I reduction program in the Sackville sewer system.

Initially, it was planned to undertake the investigation and study work for this area in-house. Flow monitoring at various locations was carried out, and all sewers larger than 10" diameter were TV inspected as part of the I/I identification program. Due to limited in-house resources and staff's commitment to other projects, it has been decided to retain a consultant to assist in completing the program.

DISCUSSION

The scope of the work for this project includes investigations to determine the specific locations and sources of I/I into the sewer systems, and to develop corrective and remedial works including the preparation of technical specifications and tender/quotation packages. The investigations involve a considerable amount of field work, including visual and video inspection of manholes and pipes, smoke and dye testing.

Terms of Reference outlining the scope of works were prepared and a Request for Proposals was advertised in the local newspaper. Proposals were received from the following consultants:

1. AMEC E&C Services Ltd.
2. Hydro-Com Technologies Ltd.
3. CBCL Ltd.
4. Wallace Macdonald & Lively Ltd.

A committee of three staff, one each from Environmental Services, Design and Construction Services, and Wastewater Treatment, reviewed the proposals and have concluded that the proposal of Hydro-Com Technologies Ltd. best meets the requirements of the project as outlined in the Terms of Reference. The criteria used for evaluation and ranking of the proposals included: project team, firm's experience on similar works and performance on past HRM projects, understanding of the scope of works and methodology to complete the works, project schedule and fees, as well as, overall proposal quality and compliance with the Terms of Reference. The cumulative score and ranking of the four proposals out of 300 points is summarized in the following table:

Consultant	Cumulative Score	Ranking	Fees, Exclusive of HST
AMEC E&C Services Ltd.	190	4	\$ 60,000
Hydro-Com Technologies Ltd.	220	1	\$ 85,900
CBCL Ltd.	210	2	\$111,855
Wallace MacDonald & Lively Ltd.	204	3	\$137,534

Hydro-Com's proposal was rated the best by each member of the staff review committee. Hydro-Com's cost of \$85,900 plus HST is in line with staff's estimate for this project. Identification of I/I sources in wastewater systems and carrying out remedial works is the primary business of this firm. It is therefore recommended that the firm of Hydro-Com Technologies Ltd. be awarded the contract for RFP 02-001, Infiltration/Inflow Reduction Program - Sackville Sewer System, Sub-Sewersheds 6 and 7.

BUDGET IMPLICATIONS

Funding for this project in the amount of \$91,423 is available in the approved Capital Budget, Account No. CSR00802, Sackville Sewer System. The budget availability has been approved by Financial Services.

Budget Summary

Account No. CSR00802, Sackville Sewer System.

Cumulative Unspent Budget	\$139,281.00
Less: RFP 02-001	<u>91,423.00</u>
	\$ 47,858.00

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.

**Consultant Engineering Services Award RFP 02-001
Infiltration/Inflow Reduction Program - Sackville
Sewer System, Sub-Sewersheds 6 and 7
Council Report**

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ALTERNATIVES


None recommended.

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.

Report Prepared by:

NS
Naipal S. Tomar, P.Eng., Sr. Environmental Engineer

Report Approved by:


John Sheppard, P.Eng., Manager, Environmental & Right of Way Services, 490-6946.