

**2. LEMIEUX SETTLING BASINS 1, 2, 3 - REHABILITATION
CONTRACT NO. 99-306**

COMMITTEE RECOMMENDATIONS

That Council approve:

- 1. The award of Contract 99-306 to Underground Services (1983) Ltd., Bolton, for work related to the rehabilitation of the settling basins 1, 2 and 3 at the Lemieux Island Water Purification Plant, for a total contract provision of \$637,555;**
- 2. The transfer of funds in the amount of \$400,000 from the project, Lemieux Island WPP Expansion & Rehabilitation Project (Account No. 922-41710) to Water Facilities Upgrade Projects (Account No. 922-41760).**

DOCUMENTATION

- 1. Environment and Transportation Commissioner's report dated 10 Aug 99 is immediately attached.**

REGION OF OTTAWA CARLETON
 RÉGION D'OTTAWA CARLETON

REPORT
 RAPPORT

Our File/N/Réf. **50 WSC-62-00**
 Your File/V/Réf.

DATE 10 August 1999

TO/DEST. Co-ordinator
 Corporate Services and Economic Development Committee

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **LEMIEUX SETTLING BASINS 1, 2, 3 - REHABILITATION**
 CONTRACT 99-306

DEPARTMENTAL RECOMMENDATIONS

That the Corporate Services and Economic Development Committee and Council approve:

- 1. The award of Contract 99-306 to Underground Services (1983) Ltd., Bolton, for work related to the rehabilitation of the settling basins 1, 2 and 3 at the Lemieux Island Water Purification Plant, for a total contract provision of \$637,555;**
- 2. The transfer of funds in the amount of \$400,000 from the project, Lemieux Island WPP Expansion & Rehabilitation Project (Account No. 922-41710) to Water Facilities Upgrade Projects (Account No. 922-41760).**

BACKGROUND

The Lemieux Island settling basins 1, 2 and 3 were constructed in the early 1930s. Each of the reinforced concrete basins measures approximately 91 metres in length, 10 metres in width and 9 metres in depth. Surface deterioration of the concrete walls, columns and roof beams has taken place over the years and is suspected to be caused by long term contact with low concentrations of sulphate in the water. Cracks on the underside of the roof slabs appear to be caused by large temperature differences between the top and underside of the roof slabs.

Consultant engineering reports on the condition of the basins were produced by CH2M Gore & Storrie Limited and Oliver, Mangione, McCalla & Associates. Both reports recommend that remedial action be taken to address the deteriorated condition of the basins.

The proposed rehabilitation includes repairing concrete surfaces, replacing some metal fabrications like access stairs, and sealing cracks in the concrete structure.

RATIONALE

A total of five bids for Contract 99-306 were received on 29 June 1999, as follows:

Underground Services (1983) Ltd., Bolton	\$541,678
Advanced Construction Techniques Ltd., Maple	\$572,000
TESC Contracting, Hull	\$632,989
DRL Restoration Ltd., Nepean	\$719,900
J.C. Sulpher Construction Ltd., Gloucester	\$901,641

The Departmental estimate was \$486,000.

Based on a review of the tenders received, the Department recommends acceptance of the tender from the low bidder, Underground Services (1983) Limited. The requested contract award of \$541,678 plus G.S.T. of \$37,917 and a contingency allowance of \$57,960, brings the total contract provision to \$637,555.

The difference between the Departmental estimate and the lowest bid and the wide variation in the bids could possibly be explained by the complexity of the work and the age of the facility.

A formal complaint, with respect to the job showing process for prospective bidders, was received from the second lowest bidder, Advanced Construction Techniques Ltd. This was responded to by the Legal Department and was not deemed to be a valid reason to change the recommended tender award.

CONSULTATION

There is no need for public consultation as there is no direct impact on the public.

EXPENDITURE JUSTIFICATION

Remedial action taken now will slow the rate of further deterioration and help preserve the life of the structure.

FINANCIAL STATEMENT

	922-41760 \$	922-41710 \$
Approved Budget to Date	2,218,000	44,087,949
Increase (Decrease) in Authority	<u>400,000</u>	<u>(400,000)</u>
Revised Budget	2,618,000	43,687,949
Total Paid and Committed	<u>(1,651,438)</u>	<u>(43,436,901)</u>
Balance Available	966,562	251,048
THIS REQUEST	<u>(637,555)</u>	<u>0</u>
Balance Remaining	<u>329,007</u>	<u>251,048</u>

Funds are available for transfer from Account No. 922-41710 (Order No. 900148), Lemieux Island WPP Expansion & Rehabilitation (Reference page 480), 1999 Capital Budget, in the amount of \$400,000 bringing the revised total budget to \$43,687,949 to the Water Division Facilities Upgrade Projects, Account No. 922-41760 (Order No. 900172) (Reference pages 382 & 383), 1999 Capital Budget, bringing the revised total budget to \$2,618,000. Purchase Requisition No. 10016500.

*Approved by
M.J. E. Sheflin, P.Eng.*

JRM/jw

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by T. Fedec
on behalf of the Finance Commissioner*