

REGIONAL MUNICIPALITY OF OTTAWA CARLETON
 MUNICIPALITÉ RÉGIONALE D'OTTAWA CARLETON

REPORT
 RAPPORT

Our File/N/Réf. 25 15-96-0044
 Your File/V/Réf.

DATE 17 September 1996

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

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **TRANSITWAY CAPITAL REHABILITATION PROGRAMME
 WEST TRANSITWAY - STORM SEWER BOX CULVERT
 CONSULTANT APPOINTMENT**

DEPARTMENTAL RECOMMENDATION

That the Corporate Services and Economic Development Committee and Council approve the appointment of McCormick Rankin Associates Ltd., Ottawa, to undertake the inspections, condition surveys and design required for the proposed rehabilitation of the West Transitway Storm Sewer Box Culvert, for a total contract provision of \$82,925.

BACKGROUND

The West Transitway storm sewer box culvert provides drainage outlet for the Transitway and the storm sewer system for the City of Ottawa's catchment area located south of the West Transitway. This box culvert is 2.5 km long and outlets to the Ottawa River. It was constructed and put into service in 1985. The box culvert directly supports the Transitway and is subject to severe bus loading and environmental exposure conditions.

Structural inspections have identified localized structural deficiencies and deterioration including concrete scaling, delamination and spalling, and joint leakage. Further, there is evidence of deterioration of the waterproofing system and the asphalt roadway pavement is rutted and cracked.

A specialist consultant assignment is required to undertake the necessary inspections and condition surveys required to determine and evaluate the cause and magnitude of these structural deficiencies and provide the recommendations and designs for the remedial action required to ensure the long-term viability of this storm sewer box culvert structure.

CONSULTATION

Since McCormick Rankin Associates Ltd. were involved in the original design of the box culvert and have provided subsequent structural inspection services, they are very familiar with the structure and are the most appropriate firm to undertake the necessary investigations, condition surveys and rehabilitation designs. A public consultation process is not required.

EXPENDITURE JUSTIFICATION

A timely maintenance and structural rehabilitation programme is required to efficiently manage and minimize the long-term bridge maintenance costs of this storm sewer box culvert structure, and is essential to ensuring the continued viability and operational safety of the Transitway system.

FINANCIAL STATEMENT

	\$
Approved Funding to Date	3,230,000
Total Paid and Committed	<u>(1,977,419)</u>
Balance Available	1,252,581
THIS REQUEST	<u>(82,925)</u>
Balance Remaining	<u>1,169,656</u>

Funds have been provided in the 1996 Capital Budget, Account No. 942-30629, Transitway Capital Rehabilitation Programme (reference Page 173). Encumbrance No CA9228.

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

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

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

MJR/rk