

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON
MUNICIPALITÉ RÉGIONALE D'OTTAWA-CARLETON

REPORT
RAPPORT

Our File/N/Réf.
Your File/V/Réf.

DATE 9 May 1997

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

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **PLAZA BRIDGE WATERMAIN REPLACEMENT
DESIGN AND CONSTRUCTION SERVICES
CONTRACT CA9352
CONTRACT AWARD**

DEPARTMENTAL RECOMMENDATIONS

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

- 1. The establishment of the Plaza Bridge Watermain Replacement, Project No. 922-41926;**
- 2. The transfer of \$1,200,000 from the Water Capital Reserve Fund to the Plaza Bridge Watermain Replacement, Project No. 922-41926;**
- 3. The appointment of McNeely Engineering Consultants Limited (Orleans), to provide detailed design and construction services for the Plaza Bridge Watermains, for a contract provision of \$105,900.**

BACKGROUND

The existing 381mm watermain, built under the Canal in 1874, within the limits of the Plaza Bridge is presently out of service because of its structural weakness and leakage problems. Since a 381mm diameter pipe is no longer available and in order to improve pressure and fire flows in the Market area, two 500mm watermains are proposed. The installation of two watermains provides more reliability to the water distribution system and is preferred over the installation of one larger watermain.

On 9 April 1997, Council approved the award of the detailed design for the Plaza Bridge Project to McNeely Engineering Consultants Limited. Construction will start by late fall this year.

In an attempt to minimize the disruption to businesses and the public in this area, and to achieve economies of scale, it is recommended that the proposed 500mm watermains be installed as part of the Plaza Bridge Project.

The amount requested in the recommendation pertaining to design and construction services includes a contract amount of \$90,000, GST in the amount of \$6,300, and a contingency in the amount of \$9,600, for a total contract provision of \$105,900.

RATIONALE

McNeely Engineering Consultants Limited was the only firm requested to submit a proposal for this work because of their ongoing work related to the Plaza Bridge Project.

Based on the foregoing, it is recommended that McNeely Engineering Consultants be awarded this assignment.

EXPENDITURE JUSTIFICATION

The Plaza Bridge is a key link in the Regional transportation and transit networks and will be undergoing major rehabilitation. The existing 381mm watermain crossing under the Canal within the limits of the Plaza Bridge is also a key watermain link to the market area and requires replacement. In an attempt to minimize the disruption to businesses and the public in this area, and to achieve economies of scale, it is recommended that the proposed 500mm watermains be installed as part of the Plaza Bridge Project.

CONSULTATION

The recommended method of replacement of this watermain involves directional drilling with negligible environmental impacts (i.e. the drilling of two 660mm radial cores through the bedrock under the Plaza Bridge/Canal and the pulling through of two 500mm polyethylene pipes). This project is a Schedule 'A' activity under the Environmental Assessment Act. This project will be carried out in conjunction with Plaza Bridge Project.

FINANCIAL STATEMENT

	\$
Requested Budget Authority	1,200,000
Total Paid & Committed	(0)
Balance Available	1,200,000
THIS REQUEST	(105,900)
Balance Remaining	<u>1,094,100</u>

Project No. 922-41926, Plaza Bridge Watermain Replacement

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

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FINANCE DEPARTMENT COMMENT

Funds in the amount of \$1,200,000 are available for transfer from the Water Capital Reserve Fund to finance the cost of this project.
Subject to Council approval.

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