

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

REPORT  
RAPPORT

Our File/N/Réf.           **50 12-98-R060**  
Your File/V/Réf.

DATE                       22 May 1998

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

FROM/EXP.               Environment and Transportation Commissioner

SUBJECT/OBJET         **CATHERINE STREET RECONSTRUCTION  
BRONSON AVENUE TO ELGIN STREET  
CONSULTANT APPOINTMENT  
CONTRACT NO. CA 9510**

### **DEPARTMENTAL RECOMMENDATION**

**That the Corporate Services and Economic Development Committee approve the appointment of Oliver, Mangione, McCalla and Associates, Nepean, to provide engineering design services for the reconstruction of Catherine Street from Bronson Avenue to Elgin Street at an estimated cost of \$410,000 including GST.**

### **BACKGROUND**

This project originated as a watermain replacement from O'Connor Street to Percy Street. The firm of Oliver, Mangione, McCalla and Associates (OMM) was appointed in May 1997 to carry out surveying and design services for the watermain replacement.

Once work began on the watermain project, it was determined that the City of Ottawa wished to replace the combined sewer. With both the trench width required to replace these utilities and the need to remove the concrete base to accommodate the work as design constraints, it became evident that complete road reconstruction was essential. The number of road cuts necessary for the replacement of sewer and water services to private properties and the main line utilities would compromise the road structure to such an extent that reinstatement would not be economically viable.

## DISCUSSION

It was determined that the most cost-effective approach was to continue with OMM as the design consultant due to the existing knowledge base created by their work carried out over the last year and their satisfactory performance to date.

OMM was requested to carry out an exercise to determine the detailed scope of the project on Catherine Street from Bronson Avenue to Elgin Street. This involved interviewing all the stakeholders in the area to determine their requirements. This included, but was not limited to, all the public utilities, business groups, OC Transpo, various government departments, community associations, etc. This work has been completed and the detailed project scope has been determined.

The exercise to determine the project scope and hence the estimated engineering fees, has established three separate areas within the project as a whole. They are: Elgin Street to O'Connor Street, O'Connor Street to Percy Street and Percy Street to Bronson Avenue. The middle section, O'Connor to Percy, will consist of the complete replacement of the watermain, combined sewer, roadway surface and sidewalks. The western section will be similar but will not include the sewer replacement. The eastern section will require localized repairs to the composite pavement.

All of the sections will include the design of small geometric changes at various intersections if the need becomes evident as the design and public consultation process progresses.

The consultant assignment will consist of the functional, preliminary and detailed design of the above sections and will include but not be limited to the following:

- Field Surveys and Base Plan Preparation
- Hydro Geological Studies
- Geotechnical Studies
- Design Co-ordination, Design Circulation and Design Meetings
- Public Consultation
- Traffic Management Plan
- Preparation of Contract Documents
- Approvals and Document Review
- Specialized Services for Construction

The work to be carried out by the consultant for this assignment will build on the information obtained from the previous watermain design assignment wherever possible. For example, the hydro geological and geotechnical studies will only be augmented in the middle section but will be complete new studies in the western section.

EXPENDITURE JUSTIFICATION

Sections of the watermain between Percy Street and O'Connor Street are almost one hundred years old and require replacement. The City of Ottawa sewers are also in need of replacement. It is necessary to remove the concrete road base to accommodate these replacements and the number of lateral road cuts to connect the new utilities to the private properties along the roadway would be of sufficient number that complete roadway replacement is the only viable option.

Internal staff are not available to carry out the design work at this time due to commitments on other capital projects in the current budget.

FINANCIAL STATEMENT

	\$
Approved Budget to Date	10,560,000
Total Paid and Committed	<u>(1,179,831)</u>
Balance Available	9,380,169
THIS REQUEST	<u>(410,000)</u>
Balance Remaining	<u>8,970,169</u>

Funds have been provided in the 1998 Capital Budget, Account No. 922-41927, Urban Watermain Upgrades/Extensions.

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

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by C. Colaiacovo  
on behalf of the Finance Commissioner*