

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

REPORT  
RAPPORT

Our File/N/Réf.           **50 07-98-0067/50-98-1050**  
Your File/V/Réf.

DATE:                      15 May 1998

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

FROM/EXP.               Environment and Transportation Commissioner

SUBJECT/OBJET         **1998 CRACK SEALING PROGRAMME ON  
CARLING AVENUE ETC. - CONTRACT NO. 98-829  
CONTRACT AWARD**

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### **DEPARTMENTAL RECOMMENDATION**

**That the Corporate Services and Economic Development Committee approve the award of Contract No. 98-829, 1998 Crack Sealing Programme on Carling Avenue Etc. to Mister Sealer Corporation, Ottawa, for a total contract provision of \$304,736.00.**

### **DISCUSSION**

Pavement maintenance includes the routine work carried out to ensure satisfactory pavement performance throughout its design life. Rout and seal crack treatment is designed to seal pavement cracks and prevent water from entering and damaging the pavement structure.

It is especially important to crack seal paved roads in cold areas such as Ottawa-Carleton because of the combination of low temperature induced crack openings and possible brine intrusion from winter snow and ice control activities. The initial treatment must be performed in the second or third year of pavement service life to achieve maximum cost-effectiveness. The second treatment is usually performed in the fifth or sixth year of the pavement service life to ensure that all significant cracks are properly sealed.

### **EXPENDITURE JUSTIFICATION**

The crack sealing programme is necessary to preserve the overall structural integrity of flexible and composite pavements and bridge decks throughout the RMOC. Postponement will accelerate deterioration of roadway granular bases and asphaltic surfaces. Existing cracks will become more severe and secondary crack growth will result in increased ride roughness and increased maintenance and user costs for the roadway sections. This programme is based on current

Ministry of Transportation of Ontario research and field evaluations which indicate properly timed crack sealing extends pavement service life from three to four years.

### CONSULTATION

As in past years, weekly notices outlining work progress will be issued to the communications services staff of the Finance and Operations Support Division and the Information and Public Affairs Department.

### CONTRACT DETAILS

This contract involves routing and sealing an estimated 320,000 m of cracks on 300 lane-km of roadway by mechanically cutting a sealant reservoir in the pavement crack, cleaning and drying this reservoir with hot compressed air and filling the reservoir with hot-poured rubberized asphalt. Portland Cement or mineral dust is then applied to the surface of the sealant to prevent vehicular tire tracking.

Tenders (excluding GST) were received from:

Mister Sealer Corporation, Ottawa	\$284,800.00
R & N Maintenance, Guelph	\$303,040.00
Departmental estimate (excluding GST):	\$192,000.00

The Departmental estimate was based on historical unit prices for crack sealing. Ottawa-Carleton has enjoyed relatively low prices for this work in recent years as compared to other areas of Ontario. For example, Cornwall will pay approximately 12% more per linear meter of crack sealing than the Region this year. Brampton will pay approximately 46% more. Material costs have increased significantly, and contractors' bids have increased accordingly. In the future, higher prices will likely induce more bids from firms outside the Ottawa-Carleton area, which may foster more competition.

Based on the review of the tender documents, the Department recommends acceptance of the low bid from Mister Sealer Corporation, Ottawa. The requested contract award of \$284,800.00 plus an allowance of \$19,936.00 for GST brings the total contract provision to \$304,736.00.

This contract has a liquidated damage clause of \$200.00 per day and a contract time limit of 50 working days.

FINANCIAL STATEMENT

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Approved Budget to Date	5,200,000
Total Paid & Committed	<u>(2,123,276)</u>
Balance Available	3,076,724
THIS REQUEST	<u>(304,736)</u>
Balance Remaining	<u>2,771,988</u>

Funds have been provided in the 1998 Capital Budget, Account No. 912-30744, Resurfacing Programme - 1998 (reference page 119 of the 1998 Draft Capital Estimates).

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

LAR/MC/DD/ms

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

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