

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

REPORT
RAPPORT

Our File/N/Réf. **50 67-98-2001 / 50-98-1050**
Your File/V/Réf.

DATE 21 August 1998

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

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **1998 SURFACE REPAIRS ON VARIOUS REGIONAL ROADS
CONTRACT AWARD NO. 98-848**

DEPARTMENTAL RECOMMENDATION

That the Corporate Services and Economic Development Committee approve the award of Contract No. 98-848, Surface Repairs on Various Regional Roads to Dibblee Paving & Materials Limited, Nepean, for a total contract provision of \$177,984.

DISCUSSION

Pavement maintenance includes the routine work carried out to keep a pavement performing satisfactorily for its overall design life.

The Department uses two levels of pavement maintenance actions:

- a. Major Maintenance - Activities including routing and sealing cracks, hot-mix patching, distortion corrections, drainage improvements, erosion control, frost treatments and asphalt strip repairs.
- b. Rehabilitation - Required where pavement problems are severe and extensive. Treatments include partial/full depth removal and asphalt resurfacing, in-place recycling, and/or reconstruction.

This contract consists of "Major Maintenance" activities on various Regional roads.

CONTRACT DETAILS

This contract involves major maintenance with major items of work including dry grinding, asphalt reinstatements, ironwork adjustments, resurfacing, granular shoulder improvements and the placing of granulars on existing shoulders. The project limits are as follows:

ROADSLIMITS

Airport Parkway (Regional Road 79)	@ C.N.R. Railroad Tracks
Baseline Road	@ Shopper City Entrance
Merivale Road	Capital Drive to Meadowlands Drive
Somerset Street	Kent Street to Elgin Street
Eagleson Road (Regional Road 49)	@ Highway 417 Overpass
Roger Stevens Drive (Regional Road 6)	@ Regional Road 5
Kinburn Side Road (Regional Road 20)	Highway 17 to Mohrs Road
Meadowlands Drive	Ortona Avenue to Valmarie Avenue
Hunt Club Road (Regional Road 32)	Merivale Road to Old Highway 16
Carling Avenue	@ Transitway Overpass
Kirkwood Avenue	Carling Avenue to Richmond Road
Wellington Street	@ Holland Avenue
Victoria Street (Regional Road 6)	@ Regional Road 27 (Metcalf Village)
Mitch Owens Road (Regional Road 8)	@ 8072 Mitch Owens Road
Blair Road (Regional Road 27)	@ Ogilvie Road
Orleans Boulevard (Regional Road 56)	Beausejour Drive to Beausejour Drive

Tenders (excluding GST) were received from:

Dibblee Paving & Materials Ltd, Nepean	\$166,339.96
O'Leary's Ltd., Ottawa	\$179,936.00
Karson Kartage & Konst (1994) Ltd, Carp	\$197,000.00
Laurent Leblanc Ltd., Gloucester	\$198,037.00
Beaver Road Builders Ltd, Gloucester	\$214,299.00
Departmental estimate (excluding GST):	\$139,669.48

The low bid exceeded the Departmental estimate by \$26,670.48. The low bid is still within the 1998 budget for Major Maintenance. An analysis of the tender summary shows that the main reason for the Departmental estimate being exceeded was "dry grinding". Because of the non-continuous nature of the contract work i.e. small amounts of work at many locations, the "dry grinding" item cost can be difficult to estimate accurately. The Departmental estimate was based on historical costs for this item, plus an allowance for yearly increases.

Based on the review of the tender documents, the Department recommends acceptance of the low bid from Dibblee Paving & Materials Ltd., Nepean. The requested contract award of

\$166,339.96 plus an allowance of \$11,643.80 for GST brings the total contract provision to \$177,983.76.

This contract has a liquidated damages clause of \$200.00 per day and a contract time limit of eighteen (18) working days.

CONSULTATION

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

EXPENDITURE JUSTIFICATION

Repairs to Asphaltic Pavement Programmes are planned annual programmes of pavement maintenance to maintain a given level of serviceability and minimize long-term costs throughout the approximately 1250 km Regional road network. This represents a significant investment in infrastructure which requires continuous protection and upkeep (replacement value in excess of \$3 B).

The cost of appropriately timed surface rehabilitation and high quality maintenance is about one-tenth the cost of reconstructing a totally failed pavement.

Postponement will result in the accelerated deterioration of roadway granular bases and asphaltic surfaces. Pavement cracks, distortions and defects will become more severe, resulting in decreased ride comfort and increased user and maintenance costs for these roadway sections.

FINANCIAL STATEMENT

	\$
Approved Budget to Date	5,700,000
Total Paid and Committed	<u>(4,655,119)</u>
Balance Available	1,044,881
THIS REQUEST	<u>(177,984)</u>
Balance Remaining	<u>866,987</u>

Funds have been provided in the 1998 Capital Budget, Account No. 912-30744, Resurfacing Programme - 1998 (Encumbrance C01175).

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

DAD/MC/ms

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by D. Gray
on behalf of the Finance Commissioner*