

REGION OF OTTAWA-CARLETON
RÉGION D'OTTAWA-CARLETON

REPORT
RAPPORT

Our File/N/Réf. **50 RS 530-29 & RS 531-29**
Your File/V/Réf.

DATE 16 May 2000

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

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **ST. LAURENT BOULEVARD BRIDGES**
 CONSULTANT APPOINTMENT (ETL00-7026)

DEPARTMENTAL RECOMMENDATION

That the Corporate Services and Economic Development Committee and Council approve the appointment of Harmer Podolak Engineering Consultants Inc., Nepean, to provide Professional Engineering Services for the St. Laurent Blvd. Bridges, for a total contract provision of \$196,000.

BACKGROUND

The St. Laurent Blvd. Bridges are two railway overpass bridges located on Regional Road 26 (St. Laurent Blvd.). The north bridge is located between Hwy. 417 (Queensway) and Belfast Road, the south bridge is located between Belfast Road and Regional Road 30 (Innes Rd.). They are a key link in the Regional Transportation Network with over 40,000 AADT and a high percentage of buses and trucks.

Both bridges were constructed in 1962 and are similar skew three span continuous steel beam concrete deck structures over the railway tracks.

The north bridge, Regional Structure No. 531, crosses the CPR Alexandra Subdivision railway tracks. The bridge was rehabilitated in 1985 with a latex concrete overlay to the deck.

The south bridge, Regional Structure No. 530, crosses the CNR Ottawa Subdivision railway tracks. The bridge was rehabilitated in 1985 with a cathodic protection system using conductive bituminous overlay. Deck waterproofing is not applied with this type of cathodic system.

There are existing Ottawa Hydro ducts in the east sidewalk and Bell Canada Ducts in the west sidewalk of both bridges.

A detailed deck condition survey in 1994 of the south bridge, by Harmer Podolak Engineering Consultants, recommended complete deck replacement, widening the sidewalks, waterproofing and paving, new expansion joints and structural steel painting.

Since the last rehabilitation contract both bridges have been regularly inspected as part of the Bridge Management Activities. Recent inspections have indicated that the north bridge is also in need of a detailed deck condition survey and rehabilitation.

DESCRIPTION OF ASSIGNMENT

The proposed assignment is intended to undertake engineering activities to address the above structural concerns and to assure continued serviceability of these key links in the community. The assignment is proposed to be undertaken in two phases, as follows:

Phase 1

To carry out a detailed deck condition survey of the north bridge, and detailed condition survey of all other components of both the existing bridges. This is intended to document the nature and extent of structural deficiencies.

Phase 2

This includes the detailed design of the deck replacement and structural repairs for the south bridge and structural repairs for the north bridge, and preparation of the contract documents. It is intended that these repairs be undertaken during the year 2001 construction season.

The proposed completion date for the assignment is 28 February 2001.

CONSULTANT SELECTION PROCESS

The Consultant Selection Process was carried out in accordance with the Guidelines for Procurement of Consulting Engineering Services.

A Request for Qualification (RFQ) was issued on MERX and nine firms responded. Out of these, four firms were selected by a three member panel, composed of staff from the Engineering Division, facilitated by a Purchasing Officer from the Supply Management Division.

A Request for Proposal (RFP) was then issued to the following four Consulting firms who have all demonstrated past capabilities for this type of assignment:

- Delcan Corporation, Ottawa
- Morrison Hershfield Limited, Ottawa
- Stantec Consulting Limited, Kingston
- Harmer Podolak Engineering Consultants Inc., Nepean

The proposals submitted were then evaluated by a three member panel, composed of staff from the Engineering Division and facilitated by a Purchasing Officer from the Supply Management Division, using the following criteria:

- Resources and Experience of Firm
- Experience, Qualifications and Availability of Team Members
- Understanding of Objectives
- Quality of Approach and Methodology
- Proposed Work Plan, Schedule and Level of Effort
- Financial

The evaluation concluded that the proposal submitted by Harmer Podolak Engineering Consultants Inc. represented the best overall value to the Region.

The Department recommends the award of Contract ETL00-7026 to Harmer Podolak Engineering Consultants Inc. with a contract provision of \$166,678, plus a \$16,500 contingency and GST of \$12,822, for a total contract provision of \$196,000.

CONSULTATION

No public consultation is required for Consultant appointments.

Prior to undertaking the structural repairs (Phase 2) plans will be circulated to all stakeholders, utilities, and community and user groups to obtain their input and comments.

EXPENDITURE JUSTIFICATION

The St. Laurent Blvd. Bridges are a key link in the Regional Transportation Network and carry significant pedestrian, bicyclist, bus and vehicular traffic. The proposed engineering activities are essential to assure continued serviceability of these key links in the community.

FINANCIAL STATEMENT

	900092
	\$
Approved Budget to Date	355,000
Total Paid and Committed	<u>(44,241)</u>
Balance Available	310,759
THIS REQUEST	(196,000)
Balance Remaining	<u>114,759</u>

Funds are available in the 2000 Capital Budget, Order No. 900092, St. Laurent Blvd. Bridges (Reference page 152). Purchase Requisition No. 10059198.

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

JBE/esp

SUPPLY MANAGEMENT DIVISION

I concur,

G. Ford on behalf of
the Finance Commissioner