

# TORONTO TRANSIT COMMISSION REPORT NO.

**MEETING DATE:** October 19, 2011

**SUBJECT:** NOTICE OF AWARD - PROCUREMENT AUTHORIZATION  
STRUCTURAL ASSESSMENT AND DESIGN  
SERVICES – TRIENNIAL CONTRACT  
CONTRACT G85-294

## **INFORMATION ITEM**

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### **RECOMMENDATION**

It is recommended that the Commission receive the notice of award of Chair Stintz, Vice-Chair Milczyn and the Chief General Manager authorizing the award of contracts to the following firms in the upset limit amounts listed below, for Structural Assessment and Design Services – Triennial Contract for a three-year period, commencing from notifications of awards:

1) AECOM Canada Ltd.	\$2,000,000.00
2) SNC-Lavalin Inc.	\$2,000,000.00
3) LEA Consulting Ltd.	\$2,000,000.00
4) URS Architects & Engineers Canada Inc.	\$2,000,000.00
5) Morrison Hershfield Limited	\$2,000,000.00

For a total upset limit of \$10,000,000.00.

### **FUNDING**

Sufficient funds for this expenditure are included in Project 3.4 Bridges and Tunnels, under Structural Paving Rehabilitation Program and Bridges/Structures Maintenance Program as set out on pages 633–639R and 647–654 respectively – Category State of Good Repair/Safety of the TTC 2011–2015 Capital Program which was approved by City Council on February 23, 2011.

### **BACKGROUND**

At its meeting of July 14, 2010, the Commission approved the revisions and updates to the Authorization for Expenditures and Other Commitments Policy, effective August 1, 2010, which states that *'The Commission delegates authority to the Chair, Vice-Chair and the Chief General Manager to authorize items that would normally be authorized by the Commission when the approval is required before the next Commission meeting. If the Chair and/or Vice-Chair are not available, authority would be deemed to be delegated to any two (2)*

*Commissioners and the Chief General Manager.* These authorizations are to be followed up by a notice of award Commission report that is to be submitted to the next scheduled Commission meeting for information.

The Bridges and Tunnels Program is comprised of various state of good repair projects including the on-going rehabilitation of the Commission's Bridges/Structures Maintenance and Structural Paving Rehabilitation Programs. The TTC Capital Program requires considerable use of structural engineering services. In-house engineering will be used to provide some of these planned engineering assignments, however, they lack sufficient staff to perform all the required tasks to support various projects under the Bridges and Tunnels Program.

Previously, the Commission retained four consulting engineering firms with upset contract amounts of \$2,500,000.00 each, for a total upset amount of \$10,000,000.00, all of which expire on December 31, 2011. Therefore, replacement structural assessment and design services contracts are required to provide ongoing structural assessment and design services for projects under Project 3.4 Bridges and Tunnels for the next three years.

The work included in this Request for Proposal (RFP) consists of providing safety surveys, condition assessments, structural evaluations, detailed design and engineering support during construction for the rehabilitation of existing TTC facilities such as bridges, tunnel structures, running structures, subway stations, vent shafts and retaining walls. The work will be carried out on an as-required basis on approved capital projects over a period of three years.

## **DISCUSSION**

A Request for Proposal (RFP) for Contract G85-294, Structural Assessment and Design Services – Triennial Contract, was publicly advertised on the Commission's website on June 24, 2011 indicating the Commission's intention to award up to five contracts. Eighteen companies picked up copies of the proposal documents, out of which thirteen submitted a proposal as summarized in Appendix "A".

The RFP stipulated that the evaluation would be based on the review and evaluation of the qualitative portions of all Proposals that appear to be acceptable to establish a list of proponents who are considered qualified. It was pre-determined that any proponent with a total qualitative rating of at least 70% would be considered qualified. The recommendation for award of this contract is based on the highest rated qualified proponents with reasonable pricing. As five consultants are required, any proponent rated within 3% of the fifth highest rated qualified company is considered equally qualified. Upon completion of the evaluation of the qualitative aspects of the Proposals, only then would the confidential pricing information of the highest rated qualified proponents be considered as a factor in the evaluation and selection process.

All proposals received were reviewed and all proposals that appeared to be compliant were rated by the evaluation team utilizing the pre-determined scoring criteria listed in Appendix "A".

The proposals submitted by AECOM Canada Ltd. (AECOM), SNC-Lavalin Inc. (SNC-Lavalin), LEA Consulting Ltd. (LEA), URS Architects & Engineers Canada Inc. (URS), Halsall Associates Limited (Halsall) and Morrison Hershfield Limited (Morrison) were considered best choice overall as their proposed project teams demonstrated the best overall experience. Each of the recommended proponents has previously satisfactorily performed work for the Commission and their proposals did not state any exceptions or qualifications and they are considered commercially acceptable.

Following determination of the final ranking, the pricing envelopes of the five highest rated qualified proponents AECOM, SNC-Lavalin, URS, Halsall and the proponent within 3% of the fifth highest rated qualified proponent, Morrison, were opened and evaluated.

The confidential pricing information is evaluated using predetermined percentage dedications for each proposed key consultant staff member to obtain a composite hourly billing rate for the Proponent. Based upon review of the confidential pricing information, staff considered pricing submitted by AECOM, SNC-Lavalin, LEA, URS and Morrison as fair and reasonable based on the experience and qualifications of each of the project teams and compared to previous contracts. (Halsall is not recommended as their evaluated composite hourly billing rate is the highest based on the pricing evaluation).

The contract will be administered on Work Assignment Release basis. The process of awarding a specific assignment to any one of these firms will be based on a competitive evaluation of Work Plans submitted by the firms. Each firm will be evaluated based on adherence to specific work assignment requirements, which include pricing, current workload and resource availability.

In order to provide the complete range of services and volume of work simultaneously, it is in the Commission's best interest to issue a multiple award to ensure technical resources are available in a timely manner.

### **JUSTIFICATION**

The award of contracts to AECOM Canada Ltd., SNC-Lavalin Inc., LEA Consulting Ltd., URS Architects & Engineers Canada Inc. and Morrison Hershfield Limited will ensure that engineering resources are available to support the Commission's Bridges/Structures Maintenance and Structural Paving Rehabilitation Programs.

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September 1, 2011  
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Appendix A

# APPENDIX "A"

## PROCUREMENT AUTHORIZATION STRUCTURAL ASSESSMENT AND DESIGN SERVICES – TRIENNIAL CONTRACT CONTRACT G85-294

### LIST OF PROPONENTS

(Alphabetically)

- AECOM Canada Ltd. \*
- Byrne Engineering Inc.
- Halsall Associates Limited
- Hatch Mott MacDonald Ltd.
- IBI Group
- LEA Consulting Ltd. \*
- Milman & Associates Limited in Joint Venture with Barry Bryan Associates (1991) Limited
- MMM Group Limited
- Morrison Hershfield Limited \*
- Read Jones Christoffersen Ltd.
- SNC-Lavalin Inc. \*
- URS Architects & Engineers Canada Inc. \*
- Yolles Partnership Inc. (O/A Halcrow Yolles)

(\* Recommended Proponent)

### EVALUATION CRITERIA

#### A. CORPORATE QUALIFICATIONS/EXPERIENCE

- a) Number of Years in Business
- b) Depth of Available Relevant Resources at Proponent's local GTA office.
- c) Relevant Corporate Experience
- d) CADD facilities, exp. & compliance to TTC standards

#### B. PROJECT STAFF QUALIFICATIONS/EXPERIENCE

- i) **Project Manager:**
  - a) Number of Years of Direct Experience
  - b) Work of Similar Size and Nature
  - c) Technical Qualifications
- ii) **Project Team/Sub consultants:**
  - a) Number of Years of Direct Experience
  - b) Work of Similar Size and Nature
  - c) Technical Qualifications