

# TORONTO TRANSIT COMMISSION REPORT NO.

**MEETING DATE:** December 9, 2014

**SUBJECT:** PROCUREMENT AUTHORIZATION  
STRUCTURAL ASSESSMENT AND DESIGN SERVICES  
TRIENNIAL CONTRACT G85-328

## **ACTION ITEM**

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### **RECOMMENDATION**

It is recommended that the Board authorize the award of Contract G85-328 for Structural Assessment Design Services Triennial Contract to the following companies in the upset limit amounts in Canadian funds indicated below, with a duration of three years from the Notification of Award, on the basis of highest total weighted scores:

AECOM Canada Ltd.	\$1,650,000.00
HDR Corporation	\$1,650,000.00
LEA Consulting Ltd.	\$1,650,000.00
Morrison Hershfield Limited	\$1,650,000.00
SNC - Lavalin Inc.	\$1,650,000.00
URS Canada Inc.	\$1,650,000.00
Total Overall Upset Limit Amount	\$9,900,000.00

### **FUNDING**

Sufficient funds for this expenditure are included in 3.4 Structural Paving Rehabilitation Program and Bridges/Structures Maintenance Program as referenced under the State of Good Repair/Safety Category in the 2014-2023 Capital Budget on Pages 481-484 and 489-493 respectively as approved by City of Toronto Council on January 29/30, 2014.

### **BACKGROUND**

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, there are insufficient TTC staff engineering resources to perform all the required tasks to support various projects under the Bridges and Tunnels Program.

Therefore, TTC requires consulting engineering firms to provide on-going structural assessment and design services for projects under Project 3.4 Bridges and Tunnels for the next three years.

## **DISCUSSION**

A Request for Proposal (RFP) was publicly advertised on September 15, 2014. Thirty one companies downloaded copies of the RFP documents out of which fifteen submitted proposals by the closing date of October 21, 2014. The proposal document stated that the TTC intended to award up to six contracts for the three-year period.

The work included in this 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 contracts are being administered on a Work Assignment Release basis. For any Work Assignments, the TTC reserves the right to obtain a Work Plan from any one or more Consultants for competitive bidding.

## **Evaluation of the Proposal Submissions**

Submissions from the following companies were received for Structural Assessment & Design Services:

1. AECOM Canada Ltd.
2. Carvajal Structural Engineering Inc.
3. CH2M Hill Canada Limited
4. Entuitive Corporation
5. Hatch Mott MacDonald Ltd.
6. HDR Corporation
7. HITE Engineering Corporation
8. LEA Consulting Ltd.
9. Milman & Associates Limited
10. Morrison Hershfield Limited
11. Parsons Brinkerhoff Halsall Inc.
12. SNC - Lavalin Inc.
13. Stevenson Engineering Limited
14. URS Canada Inc.
15. WSP Canada Inc.

All proposals received were reviewed for commercial compliancy and all proposals that appeared to be compliant were rated by the evaluation team.

It was pre-determined that any proponent who scored a total qualitative rating of at least 70% would be considered qualified in accordance with the criteria set out in the RFP and attached Appendix A. It was also pre-determined and stated in the proposal document that the TTC intended to award up to six contracts.

The recommendation for award is based on the six highest total weighted scores. The evaluation of proposals was based on a two envelope process and consisted of qualitative and pricing components; 70 points allocated to the qualitative merit and 30 points allocated to the pricing. Proposals were first scored based on qualitative criteria at the associated weightings as set out in the proposal documents.

It was pre-determined that proposals achieving a total minimum of 49 points out of the maximum 70 points available for the qualitative evaluation would be considered qualified. The pricing component of all qualified proponents was then evaluated, utilizing the percentage dedication for the pre-defined key staff positions, as set out in the proposal documents for evaluation purposes only, to determine a composite hourly billing rate. The overall grand total weighted score was calculated as a sum of the total weighted qualitative score and the weighted pricing score.

The following companies AECOM Canada Ltd., Hatch Mott MacDonald Ltd., HDR Corporation, LEA Consulting Ltd., Milman & Associates Limited, Morrison Hershfield Limited, Parsons Brinckerhoff Halsall Inc., SNC - Lavalin Inc., URS Canada Inc. and WSP Canada Inc. passed the qualitative evaluation bar and had their pricing component evaluated.

AECOM Canada Ltd., HDR Corporation, LEA Consulting Ltd., Morrison Hershfield Limited, SNC - Lavalin Inc. and URS Canada Inc. had the highest total weighted scores and are recommended for award of contracts and have previously satisfactorily performed work for the TTC.

**JUSTIFICATION**

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

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Attachment – Appendix A

## APPENDIX A

### PROCUREMENT AUTHORIZATION STRUCTURAL ASSESSMENT AND DESIGN SERVICES TRIENNIAL CONTRACT G85-328

#### **EVALUATION CRITERIA**

##### A. Corporate Qualifications/ Experience

- Number of years in business
- Depth of available resources
- CADD Facilities, TTC CADD Standards
- Relevant corporate experience

##### B. Project Team Qualifications/Experience

- Number of years of related experience
- Number of years of direct experience
- Technical qualifications
- Relevant experience by project