



For Action

Structural Assessment and Design Services Triennial Contract

Date: September 15, 2021

To: TTC Board

From: Chief Capital Officer

Summary

The purpose of this report is to obtain authorization for the award of Contract G85-404 Structural Assessment and Design Services – Triennial Contract in the upset limit amount of \$10,000,000, inclusive of all taxes on the basis of highest total weighted scores, to the following companies:

Parsons Inc.	\$ 2,000,000
LEA Consulting Ltd.	\$ 2,000,000
Morrison Hershfield Limited	\$ 2,000,000
AECOM Canada Ltd.	\$ 2,000,000
Wood Environment & Infrastructure Solutions, a Division of Wood Canada Limited	\$ 2,000,000
Total Overall Upset Limit Amount	\$10,000,000

The work included in this Request for Proposal (RFP) includes, but is not limited to the provision of professional structural assessment and multi-discipline design services consisting of safety surveys, condition assessments, structural evaluations, detailed design, and engineering support during construction for the rehabilitation of existing TTC facilities under the Capital Program.

The work will be carried out on an as-required basis on approved capital projects.

The term of the Contract is for a period of three years from the date of Notification of Award, with an option to extend for an additional one-year period at TTC's sole discretion.

This aligns with our Corporate Plan Critical Path 3: Move more customers more reliably.

Recommendations

It is recommended that the TTC Board:

1. Authorize the award of Contract G85-404 Structural Assessment and Design Services – Triennial Contract in the upset limit amount of \$10,000,000 in Canadian funds, inclusive of all taxes on the basis of highest total weighted scores, to the following companies:

Parsons Inc.	\$ 2,000,000
LEA Consulting Ltd.	\$ 2,000,000
Morrison Hershfield Ltd.	\$ 2,000,000
AECOM Canada Ltd.	\$ 2,000,000
Wood Environment & Infrastructure Solutions, a Division of Wood Canada Ltd.	\$ 2,000,000
Total Overall Upset Limit Amount	\$10,000,000

Financial Summary

Sufficient funds for this expenditure are included in the TTC's 2021-2030 approved Capital Budget and Plan for various capital projects including but not limited to the following projects:

- Project No. 6974 – 3.4 Structural Paving Rehabilitation Program.
- Project No. 6975 – 3.4 Bridges/Structures Maintenance Program.
- Project No. 7156 – 3.4 Culverts and East Don River Bridge Structural Rehabilitation.

The contract work will be administered on a work assignment release basis. As each required task is identified, a work plan is prepared with an estimate. Work will be authorized only after confirmation that sufficient funds are included for the specific assignment in the TTC's 2021-2030 Capital Budget and Plan.

The Interim Chief Financial Officer has reviewed this report and agrees with the financial impact information.

Equity/Accessibility Matters

A cornerstone of the TTC's Corporate Plan 2018-2022 is accessibility, and as a proud leader in providing accessible public transit in the city of Toronto, we are committed to ensuring reliable, safe and inclusive transit services for all our customers.

Design Assignments will be in accordance with TTC design standards and the Accessibility for Ontarians with Disabilities Act (AODA) and Ontario Building Code.

Decision History

A competitive procurement process was conducted in May 2018 for Structural Assessment and Design Services – Triennial Contract. As a result of this competitive procurement process, contracts were awarded for a three-year term to May 2021.

At its meeting on May 8, 2018, the TTC Board approved the award of Structural Assessment and Design Services Triennial Contract.

[http://www.ttc.ca/About the TTC/Commission reports and information/Commission meetings/2018/May 8/Reports/11 Structural Assessment and Design Services Triennial Contr.pdf](http://www.ttc.ca/About%20the%20TTC/Commission%20reports%20and%20information/Commission%20meetings/2018/May%208/Reports/11%20Structural%20Assessment%20and%20Design%20Services%20Triennial%20Contr.pdf)

Issue Background

The work included in this Request for Proposal (RFP) is for the provision of professional structural assessment and multi-discipline design services consisting of safety surveys, condition assessments, structural evaluations, detailed design, and engineering support during construction for the rehabilitation of existing TTC facilities. These include bridges, tunnel structures, running structures, subway stations, vent shafts, retaining walls and culverts under the Capital Program. The work will be carried out on an as-required basis on approved capital projects over a period of three years.

The Bridges and Tunnels Program is comprised of various State of Good Repair projects, including the ongoing rehabilitation of the TTC Bridges/Structures Maintenance, Structural Paving Rehabilitation Programs and the Culverts and East Don River Bridge Structural Rehabilitation. 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, the TTC do not possess sufficient staff to perform all of the required tasks to support various projects under the Bridges and Tunnels Program.

Contracts No. G85-365A-F have been extended to December 31, 2021 in order to maintain continuity of structural assessment and design services to the TTC while the new contract is prepared and awarded.

Comments

A Request for Proposal was publicly advertised on the TTC's website and MERX™ website as of June 11, 2021. Forty companies downloaded copies of the proposal documents, out of which 14 submitted a proposal by the closing date of July 21, 2021. There was one addendum issued during the procurement period. The proposal validity expires on November 18, 2021.

The proposal document stated that the TTC intended to award up to five contracts for the three-year period. It was also pre-determined that any proponent who scored a total qualitative rating of at least 70% would be considered qualified.

The Contracts are being administered on a Work Assignment Release basis. The final allocation of the funds will be determined by the total work assignments performed by the individual firms.

Evaluation of the Proposal Submissions

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

An evaluation team consisting of three individuals from the Construction Department conducted the formal review and rating in accordance with the requirements outlined in the RFP, and attached as Appendix A. Staff from the Procurement and Category Management Department (PCM) acted as the facilitator during the evaluation process and provided a Company Recommendation Report.

The recommendation for award is based on the five 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 qualitative merit and 30 points allocated to pricing. Proposals were first scored based on qualitative criteria at the associated weightings as set out in the proposal documents. The 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 total weighted score was calculated as a sum of the weighted qualitative score and the weighted pricing score.

Twelve companies passed the qualitative evaluation bar and had their pricing component evaluated.

The following companies had the highest total weighted scores and are recommended for award of contracts:

Parsons Inc.
LEA Consulting Ltd.
Morrison Hershfield Ltd.
AECOM Canada Ltd.
Wood Environment & Infrastructure Solutions, a Division of Wood Canada Limited

Reference checks were completed and the consultants have satisfactory performed similar work for the TTC. The composite hourly rate for all five proponents is considered reasonable, based on comparable past TTC awards.

Contact

Jane Murray, Chief Project Manager – Construction
416-590-6811
jane.murray@ttc.ca

Signature

Gary Downie
Chief Capital Officer

Attachments

Appendix A – Evaluation Criteria
Appendix B – Proposal Evaluation Summary

03075-1059872559-5

APPENDIX A
Evaluation Criteria

- A. Corporate Qualifications
 - Number of years in business
 - Depth of available relevant resources at Proponents office, by Discipline
 - Methodology of controlling quality of deliverables/CADD compliance
 - Relevant corporate experience by project

- B. Project Team Qualifications/Experience
 - Number of years of direct and/or related working experience
 - Technical qualifications (Academic and Professional Associations)
 - Relevant experience by project

- C. Pricing

APPENDIX B
Proposal Evaluation Summary

Company Name	Grand Total Weighted Score	Ranking
QUALIFIED PROPONENTS ACHIEVING A SCORE OF 49.00 POINTS (70%) OR MORE BASED ON QUALITATIVE EVALUATION		
Parsons Inc.*	87.97	1
LEA Consulting Ltd*	85.95	2
Morrison Hershfield Limited*	83.79	3
AECOM Canada Ltd.*	83.63	4
Wood Environment & Infrastructure Solutions, a Division of Wood Canada Limited*	81.25	5
CIMA Canada Inc.	78.99	6
SNC-Lavalin	78.76	7
WSP Canada Inc.	78.66	8
HDR Corporation	76.18	9
Gannett Fleming Canada ULC	71.69	10
R.V. Anderson Associates Limited	68.51	11
Read Jones Christoffersen Ltd.	68.29	12
NON-QUALIFIED PROPONENTS ACHIEVING A SCORE OF LESS THAN 49.00 POINTS (70%) OR MORE BASED ON QUALITATIVE EVALUATION		
Fishburn Building Sciences	NA	NA
Milman & Associates Limited	NA	NA