

Award of Contract Number RFP-20ECS-TI-22BE to Morrison Hershfield Limited for Professional Engineering Services for the Bridge Program Management Assignment

Date: March 9, 2021

To: Infrastructure and Environment Committee

From: Chief Engineer and Executive Director, Engineering Construction Services and Chief Procurement Officer, Purchasing and Materials Management

Wards: All

SUMMARY

The purpose of this report is advise of the results of Request for Proposal Ariba Document Number 2754972072 (9148-20-5077), issued for Contract Number RFP-20ECS-TI-22BE, for Professional Engineering Services for the Bridge Program Management Assignment, in support of Transportation Services' Bridge Rehabilitation Program, and request authority to award the contract to Morrison Hershfield Limited, in the amount of \$23,841,431 net of all applicable taxes and charges (\$24,261,040 net of HST recoveries).

RECOMMENDATIONS

The Chief Engineer and Executive Director of Engineering and Construction Services and the Chief Procurement Officer, Purchasing and Materials Management recommend that:

1. The Infrastructure and Environment Committee, in accordance with Section 195-8.4 of Toronto Municipal Code Chapter 195 (Purchasing By-Law), grant authority to award Contract Number RFP-20ECS-TI-22BE, Ariba Document Number 2754972072 for the Bridge Program Management Assignment to Morrison Hershfield Limited, having submitted the highest scoring proposal meeting the requirements of the solicitation to provide Program Management, Data Collection, Engineering Design, Tender Preparation, Services During Construction, and Post Construction Services for a seven (7) year period from 2021 to 2027, in support of Transportation Services' Bridge Rehabilitation Program, for the total amount of \$23,841,431 net of all applicable taxes and charges (\$24,261,040 net of HST recoveries), including contingencies.

FINANCIAL IMPACT

The total value of the contract award for Contract Number RFP-20ECS-TI-22BE, for Professional Engineering Services for the Bridge Program Management Assignment, identified in this report is \$ 23,841,431 net of all applicable taxes and charges. The total cost to the City is \$24,261,040 net of HST Recoveries. The cost breakdown by work task is summarized as follows:

- a) Program Management Services for a period of seven (7) years: \$4,088,198 net of HST, including labour, disbursements, provisional allowances and the contingency amount;
- b) Data collection for a period of four (4) years: \$2,578,966 net of HST, including labour, disbursements, provisional allowances and the contingency amount;
- c) Engineering design and tender preparation for a period of four (4) years: \$6,319,296 net of HST, including labour, disbursements, provisional allowances and the contingency amount;
- d) Services during construction for a period of four (4) years: \$8,595,036 net of HST, including labour, disbursements, provisional allowances and the contingency amount,
- e) Post construction services for a period of four (4) years: \$135,544 net of HST, including labour, disbursements, provisional allowances and the contingency amount;
- f) Provisional sum for a period of seven (7) years: \$2,544,000 net of HST

All in accordance with the terms and conditions as set out in Request for Proposal, Ariba Document Number 2754972072 and any other terms and conditions satisfactory to the Chief Engineer and Executive Director, Engineering & Construction Services and in a form satisfactory to the City Solicitor.

Funding for this Request for Proposal, Ariba Document Number 2754972072 is included in the approved 2021 Capital Budget and future year commitments of Transportation Services' 2022-2030 Capital Plan. Funding details are provided in Table 1 as follows:

Table 1: Funding Impact Summary of Recommended Contract
(Net of HST Recoveries)*

Calendar Year	Program Management CTP515-01-184	Engineering Services CTP515-01-183	Total (Net of HST Recoveries)
2021	\$343,754	\$1,714,692	\$2,058,445
2022	\$768,316	\$4,061,023	\$4,829,339
2023	\$768,316	\$4,568,651	\$5,336,967
2024	\$768,316	\$5,184,892	\$5,953,208
2025	\$768,316	\$3,886,569	\$4,654,885
2026	\$341,254	\$590,067	\$931,321
2027	\$329,926	\$ 66,948	\$496,874
Total (Net of HST Recoveries)	\$4,088,198	\$20,172,842	\$ 24,261,040

* Pursuant to the Request for Proposal document the contract award value includes contingency

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

DECISION HISTORY

Not Applicable

COMMENTS

Background

Engineering consulting services are required in support of Transportation Services' Bridge Rehabilitation Program as contained in Transportation Services' 2021 Capital Budget and 2022 to 2027 Capital Plan, valued at an estimated \$60 million to \$80 million annually.

Projects contained in the Transportation Services' Bridge Rehabilitation Program are derived through the City's biannual bridge inspections and are designed to maintain the City's 563 bridges and culverts in a state of good repair. These projects typically include concrete repairs to the structure, removal and replacement of deteriorated expansion joints, cleaning and coating of steel girders, bearing replacement, and removal and replacement of barrier walls.

The Bridge Program Management Assignment will provide program management, data collection, engineering design, tender preparation, services during construction, and post construction services to deliver a portion of the annual Bridge Rehabilitation Program from 2022 to 2027. The Bridge Program Management Assignment includes thirty-nine (39) bridges scheduled for rehabilitation, with design activities commencing in 2021, construction beginning in 2022 and planned for completion in 2025, followed by two (2) years of post-construction services. The total value of the construction work associated with this Assignment is estimated to be approximately \$90 million over the four (4) year period.

A Request for Proposal for Professional Engineering Services for the Bridge Program Management Assignment was prepared by Engineering and Construction Services, in consultation with Transportation Services and in conjunction with the Purchasing and Materials Management Division, for the following tasks:

1. Program Management
2. Data Collection
3. Engineering Design and Tender Preparation
4. Services During Construction
5. Post Construction Services

The timelines for the services provided through this contract are presented in Table 2.

Table 2: Summary of Program Management, Data Collection, Engineering Design and Tender Preparation, Services during Construction, and Post Construction Services to be provided by year of Program (i.e. year of construction)

Calendar Year	Program Management	Data Collection	Engineering Design and Tender Preparation	Services During Construction	Post Construction Services
2021	Award and Program Start Up	2022/2023 Programs	2022 Program		
2022	On-going	2023/2024 Programs	2023 Program	2022 Program	
2023	On-going	2024/2025 Programs	2024 Program	2023 Program	
2024	On-going	2025 Program	2025 Program	2024 Program	2022 Program
2025	On-going			2025 Program	2023 Program
2026	On-going				2024 Program
2027	On-going				2025 Program

Ariba Document Number 2754972072 was issued by the Purchasing and Materials Management Division on December 30, 2020, with four (4) addenda to the RFP issued. This resulted in a total of seven (7) submissions received on February 5, 2021, from the following suppliers:

1. GHD Limited
2. Morrison Hershfield Limited
3. Mott MacDonald Canada Limited
4. Parsons Incorporated
5. The Municipal Infrastructure Group Limited (TMIG)
6. WSP Canada Incorporated
7. Prisma Vitral Studio

A formal selection committee comprising of three (3) members from Engineering Construction Services, evaluated each of the six (6) Technical Proposals based on the evaluation criteria set out in the Request for Proposal. A maximum of 75 points were allocated for the technical proposals and 25 points to the Cost of Services. The supplier's Technical Proposals were evaluated first and scored independently and then jointly by all members of the selection committee. Each Technical Proposal needed to score a minimum of 56.25 points (75%) to have the Cost of Services Envelope opened and evaluated.

Six (6) suppliers complied with the mandatory submission requirements and their Technical Proposals were evaluated. Four (4) suppliers successfully passed the Technical Proposal requirements which allowed their cost of services submission to be opened. The cost proposals were scored and added to the technical scores of the four (4) suppliers that successfully passed the Technical Proposal requirements resulting in Morrison Hershfield Limited, being ranked first with the highest overall point score followed by Parsons Incorporated, having the second highest overall point score, .

The selection committee concluded that the proposal submitted by Morrison Hershfield, met the requirements of the Request for Proposal and demonstrated an appropriate level of effort for the proposed work. Additionally, the contract award value of \$23,841,431 (including contingency) net of all applicable taxes and charges is in line with the engineering estimate in the amount \$29,416,995 net of all applicable taxes and charges.

Suppliers' scores by criteria, price comparison and a staff analysis of the evaluation results can be provided in a closed session presentation if requested by Committee Members.

The Fair Wage Office has reported that the recommended supplier has indicated it has reviewed and understands the Fair Wage Policy and Labour Trades requirements and has agreed to comply fully with both.

Two (2) Purchase Orders will be issued for Request for Proposal Number Doc27554972072 for the Bridge Program Management Assignment to Morrison Hershfield Limited, One (1) Purchase Order will be issued for Program Management Services in the amount of \$4,017,490 net of all applicable taxes and charges

Award of Contract Number RFP-20ECS-TI-22BE for the Bridge Program Management Assignment

(\$4,088,198 net of HST recoveries); and one (1) purchase order for Professional Engineering Services (including data collection, engineering design, tender preparation, services during construction, and post construction services), in the amount of \$19,823,941 net of all applicable taxes and charges (\$20,172,842 net of HST recoveries).

CONTACT

Frank Clarizio, P.Eng., Director, Transportation Infrastructure, Engineering and Construction Services, Telephone: 416-392-8412, Email: Frank.Clarizio@toronto.ca

Sabrina Dipietro, Acting Manager, Construction Services, Purchasing and Materials Management, Telephone: 416-397-4809, Email: Sabrina.Dipietro@toronto.ca

SIGNATURE

Michael D'Andrea, M.E.Sc., P.Eng
Chief Engineer and Executive Director Engineering and Construction Services

Michael Pacholok, JD
Chief Procurement Officer, Purchasing and Materials Management