



STAFF REPORT ACTION REQUIRED

Procurement Authorization Humber Loop Traction Power Substation – Equipment Purchase and Site Preparation - Contract P6-14

Date:	January 18, 2017
To:	TTC Board
From:	Chief Executive Officer

Summary

The purpose of this report is to obtain authorization for the award of Contract P6-14 Humber Loop Traction Power Substation – Equipment Purchase and Site Preparation to Alltrade Industrial Contractors Inc., in the amount of \$6,407,100.00, inclusive of all taxes on the basis of lowest compliant total bid price.

The work for Humber Loop Traction Power Substation - Equipment Purchase and Site Preparation Contract P6-14 consists of two (2) work packages P6-13 and P6-10. Work Package P6-13 consists of the supply of all labour, equipment and materials to prepare the site (excavating, building retaining walls, concrete foundation and driveway) for the installation of a new pre-fabricated traction power substation. The construction site plan is attached in Appendix A. Work Package P6-10 consists of the supply of all labour, equipment, and materials necessary to design, fabricate, construct, deliver, install, test and commission a new traction power substation.

Recommendations

It is recommended that the Board:

1. Authorize award of P6-14 Humber Loop Traction Power Substation – Equipment Purchase and Site Preparation to Alltrade Industrial Contractors Inc. in the amount of \$6,407,100.00, inclusive of all taxes on the basis of lowest compliant total bid price.

Financial Summary

Funds for this expenditure are included in the TTC's 2016-2025 Capital Budget, under the State of Good Repair category 2.1 Traction Power Program, work order 6108 Traction Power Substations project, pages 121 to 123, which was approved by City Council on February 17, 2016.

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

Accessibility/Equity Matters

A new traction power substation at Humber Loop is required to enable operation of the new accessible streetcars. Additional traction power capacity will stabilize the voltage and eliminate the undervoltage conditions caused by the additional electrical loading of the new streetcar vehicles.

Issue Background

Safe and reliable streetcar service at Humber Loop is compromised during 'train bunching' and peak service hours due to the insufficient capacity of the existing power distribution system in the area. Over the years, there have been improvements made to partially mitigate the situation through various mechanisms, i.e. feeder cables and rail bonds replacement, and substation overcurrent adjustments. However, the new streetcar replacement program anticipates having vehicles with over 50% greater power rating, which will cause additional electrical loading to the traction power distribution system at this location. The new substation will compensate for this electrical overload and enable the new streetcar vehicles to provide reliable service.

Comments

Specifications and drawings were prepared for Contract P6-14 and a RFB was posted on the TTC's Web site and Merx as of September 28, 2016. Twenty-six companies downloaded copies of the bid documents, out of which eight submitted a bid by the closing date of November 23, 2016. These are summarized in Appendix B. During the bid period, four addenda were issued. The bid validity expires on February 21, 2017.

Prior to the closing date, staff contacted the companies that had downloaded copies of the Bid Documents to inquire if they would be submitting a bid. Out of the twenty-six companies contacted, three companies indicated the following reasons why they would not be submitting a bid:

- i) ABB advised they would be submitting as a subcontractor.
- ii) OZZ Electric advised that they do not have the appropriate resources to dedicate to estimating at this time.
- iii) Powell Canada Inc. advised their resources are currently limited and they would not be able to submit.

Twelve of the twenty-six companies that downloaded the bid documents were general contractors and the remaining were construction associations, consultants or subcontractors.

Alltrade Industrial Contractors Inc. (“Alltrade”) submitted the lowest priced bid and did not state any exceptions or qualifications. Alltrade has performed work for TTC in the past, however, no performance reviews were on file. Consequently, reference checks were completed. They do indicate that Alltrade has satisfactorily performed work of a similar nature for TTC, as well as for other companies in the past. TTC Project Management has reviewed the reference checks and is satisfied that Alltrade can perform the work outlined in this Contract. Their bid is considered acceptable.

CYMI Canada Inc. submitted the second lowest priced bid and also did not state any exceptions or qualifications and their bid is considered acceptable.

Alberici Constructors, Ltd. submitted the third lowest priced bid and also did not state any exceptions or qualifications and their bid is considered acceptable. A pricing error was noted for the Total Bid Price. In accordance with Article 9 – Bid Evaluation and Acceptance of Section 00 21 00, the mathematical error was corrected.

The Agreement to Bond submitted by Alltrade covers both a Labour and Material Payment Bond and a Performance Bond and was submitted by Liberty Mutual Insurance Company, who have been verified as a Surety Company licensed to transact business under the Insurance Act of Ontario. As such, Alltrade is considered financially capable of performing the work.

The successful Bidder will be required to execute a Performance Bond and Labour and Material Payment Bond each in the amount of 50% of the contract value.

Contacts

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Attachments

Appendix A – Humber Loop Construction Site Plan
Appendix B – Summary of Bids

APPENDIX B

PROCUREMENT AUTHORIZATION
Humber Loop Traction Power Substation – Equipment Purchase, and Site
Preparation Contract P6-14

SUMMARY OF BIDS

COMPANY	TOTAL BID PRICE
Alltrade Industrial Contractors Inc.*	\$6,407,100.00
CYMI Canada Inc.	\$6,554,000.00
Alberici Constructors, Ltd.	\$7,029,679.00
Black & McDonald Limited	\$7,204,089.00
Matheson Constructors Limited	\$7,478,340.00
Roni Excavating Ltd.	\$7,514,500.00
Beacon Utility Contractors Limited	\$8,107,005.48
The State Group	\$9,191,119.42

* Recommended company