



Procurement Authorization for Russell Carhouse – Track and Yard Overhaul

Date: July 14, 2022
To: TTC Board
From: Chief Capital Officer

Summary

The purpose of this report is to obtain authorization for the award of Contract D60-23, Russell Carhouse – Track and Yard Overhaul, to Duron Ontario Ltd. in the amount of \$42,691,400.00, inclusive of all taxes, on the basis of the lowest-priced acceptable bid.

The work of the contract will provide state-of-good-repair replacement of streetcar yard storage tracks and new pantograph-capable overhead wiring, and upgrade and expand subsurface infrastructure (fire mains, electrical ducts, etc.) as well as provide a storm water collection and management system in compliance with the City of Toronto's Wet Weather Flow Guidelines to limit the rate of storm water discharge from the yard.

Recommendations

It is recommended that the TTC Board:

1. Authorize the award of Contract D60-23, Russell Carhouse – Track and Yard Overhaul, to Duron Ontario Ltd. in the amount of \$39,808,781.30, inclusive of all applicable taxes, on the basis of the lowest-priced acceptable bid; and acceptance of the Specified Option price in the amount of \$2,882,618.70, inclusive of all applicable taxes, for the interior carhouse tracks overhead conversion for streetcar pantograph operation; for a total award value of \$42,691,400.00, inclusive of all applicable taxes.

Financial Summary

Funds for this expenditure are included in the TTC's 2022-2031 Capital Budget and Plan, as approved by the TTC Board on December 21, 2021 and City Council on February 17, 2022 under Program 1.2 Surface Track – Surface Trackwork – Civil Works and Program and 3.9 Building and Structures – Russell Yard and Carhouse Modifications.

The total project cost for the Surface Trackwork – Civil Works is approximately \$45.76 million, comprising of costs to the end of 2021 of \$23.04 million, and the remaining funding of \$22.72 million cashflowed to 2024. Of the total project cost, approximately \$26.67 million has been committed to date.

The total project cost for the Russell Yard and Carhouse Modifications is approximately \$47.50 million and is cashflowed between 2022 and 2025.

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

Equity/Accessibility Matters

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. This will be supported with the work of Russell Carhouse – Track and Yard Overhaul.

We have reviewed the work of this contract and assessed that this contract does not reduce accessibility or create barriers to the employees/users of Russell Carhouse. All existing accessibility features will be maintained.

The work of Russell Carhouse – Track and Yard Overhaul eliminates existing trip hazards.

Issue Background

The existing yard storage tracks were installed as ballasted tracks, which exposed streetcar operators to trip and fall hazards over the years. To eliminate this risk, storage tracks will be replaced with concrete embedded tracks within a fully paved yard. As a consequence, a new extensive storm water collection and management system had to be designed and implemented within the contract to meet the City of Toronto Wet Weather Flow Guidelines.

Additionally, as part of the program to convert all storage facilities and operational tracks within the TTC's streetcar network to pantograph operation, the Russell Yard overhead system is being entirely replaced with new poles and pantograph-ready overhead wiring.

Finally, the specified option included in this contract was previously part of a future contract. It was deemed to be beneficial to bring forward this work so that the yard and carhouse overhead wiring are both converted to pantograph-ready operation at the same time.

Comments

The work of this contract, designated – D60-23 – Russell Carhouse – Track and Yard Overhaul, consists of the supply of all labour, equipment and materials for removals; upgrades and modifications to various areas and systems of the tracks and yard; replacement of the existing yard tracks, rails and special trackwork for the vehicle storage areas of the yard; together with other exterior work such as, installation of storm water collection and management system, fire mains valves and pipes, pantograph ready-overhead wiring, poles and pole foundations, electrical duct banks and electrical pull chambers, and track lubricator systems.

A Specified Option was included in the bid documents for the interior carhouse tracks overhead conversion for streetcar pantograph operation. The work consists of the removal and replacement of overhead wiring supports at the north and south ends of the carhouse; provision of new overhead wiring support structure and cover board for each interior track; removal of existing fall arrest systems; and relocation of existing ceiling-level lighting fixtures, piping, vehicle wash soap dispenser, heater units, sand pipe and support racks, etc. to achieve pantograph clearance.

Specifications and drawings were prepared for Contract D60-23 and a Request for Bids (RFB) was posted on the TTC's website and Merx on April 8, 2022. Nine companies downloaded the bid documents. A mandatory site tour was conducted on April 27, 2022. The RFB stated that the Bidder must have a representative present at the mandatory site tour, and have signed the attendance sheet, in order for its bid to be evaluated by the TTC.

Four companies submitted a bid by the closing date of May 19, 2022 as summarized on the attached Appendix A – Summary of Bids. The bid validity expires on September 16, 2022.

During the bid period, five addenda were issued to revise specification sections as well as drawings.

The RFB stated that Bidders must be Certificate of Recognition (COR) certified, as issued by the Infrastructure Health and Safety Association (IHSA), at the time of the RFB closing and for the duration of the term of Contract as indicated in the bid documents.

Duron Ontario Ltd. (Duron) submitted the lowest-priced bid and did not state any exceptions or qualifications. Duron is COR™ certified with IHSA as specified in the bid documents. As requested in Section 00 45 13 of the bid documents, Duron provided five references of similar contracts completed within the last five years and reference checks were performed to confirm that Duron has satisfactorily performed similar work. Their bid is considered commercially acceptable. The Specified Option item submitted by Duron was also reviewed and is considered acceptable.

Sanscon Construction Ltd. submitted the second lowest-priced bid and also did not state any exceptions or qualifications and is COR™ certified with IHSA as specified in the bid documents. Their bid is considered commercially acceptable.

EllisDon Civil Ltd. submitted the third lowest-priced bid and also did not state any exceptions or qualifications and is COR™ certified with IHSA as specified in the bid documents. Their bid is considered commercially acceptable.

The Agreement to Bond submitted by Duron covers both a Labour and Material Payment Bond and a Performance Bond and was submitted by Travelers Insurance Company of Canada, who have been verified as a Surety Company licensed to transact business under the Insurance Act of Ontario. As such, they are 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.

Contact

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Signature

Gary Downie
Chief Capital Officer

Attachments

Appendix A – Summary of Bids

03075-25805687-38

Appendix A – Summary of Bids

Contract D60-23 - Russell Carhouse Track and Yard Overhaul

	Company	Bid Price (inclusive of taxes)	Specified Option (inclusive of taxes)	Price Including Specified Option (inclusive of taxes)
1	Duron Ontario Ltd. *	\$39,808,781.30	\$2,882,618.70	\$42,691,400.00
2	Sanscon Construction Ltd.	\$41,224,078.11	\$3,649,335.00	\$44,873,413.11
3	EllisDon Civil Ltd.	\$46,658,378.00	\$4,429,035.00	\$51,087,413.00
4	Maystar General Contractors Inc.	\$48,539,150.00	\$6,554,000.00	\$55,093,150.00

* Recommended Company