



Russell Carhouse – LFLRV Sand Silo and Delivery System

Date: July 10, 2019
To: TTC Board
From: Chief Capital Officer

Summary

The purpose of this report is to obtain authorization for the award of Contract D6-23, Russell Carhouse – Low Floor Light Rail Vehicle (LFLRV) Sand Silo and Delivery System to Duron Ontario Ltd. (Duron) in the amount of \$5,825,150, inclusive of all taxes, on the basis of the lowest total bid price.

The work of this Contract includes the installation of a sand silo and a pneumatic sand dispensing system complete with compressors, air dryers, and all sand delivery piping.

Recommendations

It is recommended that the Board authorize the:

1. Award of Contract D6-23, Russell Carhouse – LFLRV Sand Silo and Delivery System to Duron Ontario Ltd. in the amount of \$5,825,150, inclusive of all taxes, on the basis of the lowest total bid price.

Financial Summary

Once approved, Contract D6-23, Russell Carhouse – LFLRV Sand Silo and Delivery System will require funding of \$5,825,150, which will be expended predominantly from 2019 to 2021. Funds for this expenditure are included in the TTC's 2019-2028 Capital Budget under Project No. 6097– Light Rail Vehicle (LRV) Carhouse Facility Renewal Program, which was approved by City Council on March 7, 2019. The LRV Carhouse Facility Renewal Program total project approval is \$81M of which \$67M has been committed to date.

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

Equity/Accessibility Matters

TTC is working toward making Toronto's transit system barrier-free by implementing changes that will make its services and facilities accessible to everyone by 2025. This is supported through the work of Contract D6-23, Russell Carhouse – LFLRV Sand Silo and Delivery System, which is required to maintain the accessible LFLRVs.

Decision History

A sand delivery system at Russell Carhouse is required to service the new LFLRVs, which require a pneumatic sand dispensing system. The sand is required for the LFLRV braking system.

Issue Background

The installation of a new sand silo at Russell Carhouse follows construction upgrades at Roncesvalles Carhouse. Modifications to both Roncesvalles and Russell Carhouses are needed to accommodate the new LFLRV fleet. Once completed, the new LFLRV fleet will be serviced at Leslie Barns, Roncesvalles Carhouse and Russell Carhouse.

Currently Russell Carhouse does not have the capability of servicing the new LFLRVs. The work of this Contract is to provide a new sand silo and a pneumatic sand delivery system at Russell Carhouse, which is part of an overall plan to upgrade the facility to accommodate the new LFLRVs. The overall plan includes high level access to the roof components of the LFLRVs for maintenance, refurbishment of the wash system, reconfiguration of the storage area for LFLRV parts storage and making the overhead ready for the pantograph system. This new sand silo and sand delivery system will be similar to those installed at both Roncesvalles Carhouse and Leslie Barns.

The sand silo will be installed in the parking lot which is located at the south east corner of the Russell Carhouse facility. Sand deliveries will be made through a gate at the same location.

The local Councillor has been advised of the work of this Contract and TTC Staff will communicate with nearby residents on construction activities prior to start of construction.

Comments

Specifications and drawings were prepared for Contract D6-23 and a Request for Bids was posted as of May 15, 2019. Five companies downloaded copies of the bid documents. Representatives from seven companies, comprised of both general contractors and subcontractors, attended the mandatory site tour on May 29, 2019, out of which four general contractors submitted a bid by the closing date of June 19, 2019, as summarized in Appendix A.

Duron submitted the lowest priced bid and did not state any exceptions or qualifications. Reference checks were completed on the five reference projects provided by Duron with their bid which included work performed in the past five years for TTC, CNIB and the City of Toronto. The references demonstrate that Duron has satisfactorily completed projects of similar size and complexity. Duron is currently performing work for Contract W45-11 Runnymede Station – Easier Access Phase III and Masonry Restoration which was awarded in 2018, and was also recently awarded Contract S5-40 Davisville Station - Bus Loop Structural Paving and South Pedestrian Bridge Rehabilitation. Duron is COR™ certified. Their bid is considered commercially acceptable.

Maystar General Contractors Inc. submitted the second lowest priced bid and also did not state any exceptions or qualifications. They are COR™ certified and their bid is considered commercially acceptable.

Black and MacDonald Limited submitted the third lowest priced bid; however, they did not submit page 2 of Section 0043 13 – Bid Bond. As they were not the lowest priced bidder, this matter was not reviewed further.

The Agreement to Bond submitted by Duron covers both a Performance Bond and a Labour and Material Payment Bond and was submitted by Travelers Insurance Company of Canada, which has been verified as a Surety Company licensed to transact business under the Insurance Act of Ontario. As such, it is considered financially capable of performing the work.

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

Contact

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Signature

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Attachments

Appendix A - Summary of Bids

03075-3570-6

APPENDIX A – Summary of Bids

Russell Carhouse – LFLRV Sand Silo and Delivery System – Contract D6-23

Bid No.	Bidder	Total Bid Price
1.	*Duron Ontario Ltd.	\$5,825,150.00
2.	Maystar General Contractors Inc.	\$6,035,330.00
3.	Black and MacDonald Limited	\$6,503,011.01
4.	The State Group Inc.	\$6,845,686.90

***Recommended company**