

# TORONTO TRANSIT COMMISSION REPORT NO.

**MEETING DATE:** August 19, 2014

**SUBJECT:**           **PROCUREMENT AUTHORIZATION  
TORONTO-YORK SPADINA SUBWAY EXTENSION PROJECT  
TRACTION POWER SUBSTATIONS EQUIPMENT  
INSTALLATION  
CONTRACT A75-23**

## **ACTION ITEM**

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### **RECOMMENDATION**

It is recommended that the Board authorize the award of a contract to Black & McDonald Limited in the amount of \$9,763,429.39 for Contract A75-23, Traction Power Substations Equipment Installation.

### **FUNDING**

Sufficient funds for this expenditure are included in the Toronto-York Spadina Subway Extension (TYSSE) project, as set out on pages 1007-1010 of the TTC's 2014-2023 Capital Program (Category – Expansion) which was approved by the Board on November 20, 2013 and by City Council on January 29/30, 2014.

### **BACKGROUND**

The TTC is undertaking the design and construction of a subway line from the existing Downsview Station on Line 1 (Yonge-University-Spadina) located in the city of Toronto, to the future Vaughan Metropolitan Centre located in the city of Vaughan, Region of York. The new 8.8 km long line will include both tunnelled and cut and cover sections.

The TYSSE project is being funded by the Government of Canada, the Province of Ontario, the City of Toronto, and the Regional Municipality of York. The TTC is managing the design and construction of the TYSSE project and will own and operate the subway extension.

This contract designated A75-23 consists of the off-loading, installation, testing and commissioning of TTC supplied traction power equipment, which includes 27.6 kV and 4.16 kV AC switchgear, transformers, rectifier-transformers, rectifiers, 600 V DC switchgear, control cabinets, AC and DC cabling in the Sheppard West, Finch West, Steeles West and Vaughan Metropolitan Centre substations. It also includes the supply, delivery, installation, testing and commission of battery chargers, DC heating systems, negative and ground bus systems, pallet trucks and a diesel generator at the same four substations.

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**DISCUSSION**

Specifications and drawings were prepared for Contract A75-23 and a Request for Bid was posted on Merx as of June 9, 2014 with a closing date of July 16, 2014. Fifteen companies were issued copies of the bid documents out of which three submitted a bid and are summarized on Appendix A.

Black & McDonald Limited submitted the lowest priced bid and did not state any exceptions or qualifications. They have satisfactorily completed similar work for the TTC in the past and their bid is considered acceptable.

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

The State Group Inc submitted the third lowest priced bid and also did not state any exceptions or qualifications. Their bid is also considered acceptable.

**JUSTIFICATION**

This equipment is required in the substations to provide AC power to the stations and DC power to the traction power distribution system and the trains for the TYSSE and the bid submitted by Black & McDonald Limited is the lowest priced acceptable bid.

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## APPENDIX A

Toronto-York Spadina Subway Extension  
Traction Power Substations  
Equipment Installation  
Contract A75-23

Summary of Submissions

<u>Company</u>	<u>Bid Price</u>
1. Black & McDonald Limited	\$9,763,429.39
2. CYMI Canada Inc.	\$10,028,750.00
3. The State Group Inc.	\$10,999,385.00
ENGINEER'S ESTIMATE	\$8,000,000.00

\*Recommended Company