

# TORONTO TRANSIT COMMISSION REPORT NO.

**MEETING DATE:** June 24, 2013

**SUBJECT:** PROCUREMENT AUTHORIZATION AMENDMENT  
TORONTO-YORK SPADINA SUBWAY EXTENSION PROJECT  
CONTRACT NO. A85-75E – YORK UNIVERSITY STATION  
CONTRACT AMENDMENT NO. 6

## **ACTION ITEM**

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### **RECOMMENDATION**

It is recommended that the Board authorize Contract Amendment No. 6 to Arup Canada Inc., in the amount of \$2,497,000 for the completion of support during construction of the York University Station, increasing the total upset limit amount to \$20,517,000 from \$18,020,000.

### **FUNDING**

Sufficient funds for this expenditure are included the in the Toronto-York Spadina Subway Extension (TYSSE) project, as set out on pages 1229-1231 of the TTC's 2013-2022 Capital Budget (Category – Expansion) which was approved by City Council on January 16, 2013.

Payment will be on actual cost incurred and the contract work will be managed on a Work Plan Release basis.

### **BACKGROUND**

The TTC is implementing the design and construction of an underground subway line from the existing Downsview Station on the Spadina line to the proposed Vaughan Corporate Centre Station located in the City of Vaughan, Region of York. The 8.6 km extension includes six new subway stations, one of which is the York University Station.

The Toronto-York Spadina Subway Extension (TYSSE) project is being funded by the Federal Government, the Province of Ontario, the Regional Municipality of York and the City of Toronto. The TTC is managing the design and construction of the YYSSE project and will own and operate the subway extension.

At the Board meeting of October 23, 2008, the Board approved YYSSE's recommendation to award Contract A85-75E for the design of York University Station to the design team lead by ARUP Canada Inc. in association with Foster + Partners in the upset limit amount of \$11,000,000. The fee was intended to cover design services for York University Station including preliminary design, detailed design, design support during construction, and preparation of record drawings.

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At the Board meeting on September 24, 2009, the Board approved the conceptual design of York University Station. Public presentation of the station concept took place on December 3, 2009, generally with positive feedback.

At the Board meeting on June 2, 2010, the Board approved an increase in fee from \$11,000,000 to \$14,700,000.

At the Board meeting on August 23, 2010, \$3,320,000 was approved for the completion of detailed design and allowance for support during construction for York University Station, increasing the total to \$18,020,000.

On April 29, 2013, the Executive Task Force authorized TYSSE to increase upset limit by \$2,497,000 for the remaining work on the project.

Contract A85-75E details are as follows:

Original Contract Upset Limit Amount	\$11,000,000
Previous Contract Amendments	\$7,020,000
This Contract Amendment	\$2,497,000
Total Revised Upset Limit Amount*	<u>\$20,517,000</u>

\*Note: HST is included for work done after July 1, 2010.

No work has been done on this Contract Amendment.

**DISCUSSION**

Subsequent to the previous authorized amendments, section designers are required to provide more extensive engineering support, design revisions and review of substitutions in preparation of the commencement of the construction work in July 2013.

Based on the record of other TYSSE contracts, staff expect extra effort will be required from the section designers to review a high number of submittals and requests for information (RFI), which expects to total over 1,700 submittals and 1,100 RFIs to contract completion. Currently, 130 RFIs and over 40 submittals have been received prior to handover of the construction site to the station contractor. Handover of the site and construction commencement activities are scheduled for July 2013.

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The following lists the items requiring additional funds, including HST:

1. Address and finalize Site Plan Approval post tender comments and design changes as directed by the City of Toronto.	\$ 226,000
2. Co-ordination of station design with follow-on supply and installation contracts for equipment procured by the TYSSE Project and address stakeholders' requirements.	\$ 113,000
3. Review of RFIs, submittals and additional effort for as-built drawings needed to address design revisions and contract changes during the construction stage about to start.	\$ 2,158,000
Total	<u>\$ 2,497,000</u>

The total authorization being requested as an upset limit, including design support during construction, is \$20,517,000. This amount is needed to address extra effort and support required due to the project's complexity and critical interfaces between several sites and contractors.

Staff have reviewed the additional engineering fees and they were considered to be reasonable. Work will only proceed on the basis of work plans approved by staff.

**JUSTIFICATION**

The Contract Amendment is required to pay for the additional engineering fees associated with the increased project work.

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