

# TORONTO TRANSIT COMMISSION REPORT NO.

**MEETING DATE:** July 9, 2009

**SUBJECT:** NOTICE OF AWARD - PROCUREMENT AUTHORIZATION  
AMENDMENT - DESIGN & SUPPLY RADIO BASED  
AUTOMATIC TRAIN CONTROL FOR YUS SUBWAY

## INFORMATION ITEM

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### RECOMMENDATION

It is recommended that the Commission receive the notice of award of Chair Giambrone, Vice-Chair Mihevc and the Chief General Manager authorizing the issuance of amending the contract with Alstom Transportation Information and Security Inc. for the procurement of the Design and Supply of Radio Based Automatic Train Control – Communications Based Train Control (ATC-CBTC) for the Yonge-University-Spadina (YUS) Subway by including the work of the Central Signal System (CSS) Modifications in the ATC-CBTC contract in the amount of \$4,614,656.00.

### FUNDING

Sufficient funds for this expenditure are included as set out in Project 2.4 – YUS ATO Resignalling Line on pages 515 – 524 of the TTC 2009-2013 Capital Program which was approved by City Council on December 10, 2008.

### BACKGROUND

At its meeting of December 17, 2008, the Commission approved the revisions and updates to the Authorization for Expenditures and Other Commitments Policy, which states that *“The Commission delegates authority to the Chair, Vice-Chair and Chief General Manager to authorize items on an interim basis that would normally be authorized by the Commission when the approval is required before the next Commission meeting. In the event that the Chair and/or the Vice-Chair are not available, authority would be delegated to any two (2) Commissioners and the Chief General Manager”*. These authorizations are to be followed up by a notice of award Commission report that is to be submitted to the next scheduled Commission meeting for information.

In 2008 the Commission issued a Request for Proposals for supply of the detailed design, supply, installation and test support (to TTC forces) of a radio based Communications Based Train Control (CBTC) system to provide Automatic Train Control (ATC) for the Yonge-University-Spadina (YUS) Subway line. The Proposal Documents included a

Specified Option for the provision of a CBTC – Automatic Train Supervision (ATS) system to replace the Central Signal System (CSS) for the YUS line. This option was applicable for all bidders except Alstom in the event their system was incompatible with the existing CSS and required replacement in order to install the new ATC. During the same bid period, a separate bid package was issued to Alstom on a single source basis for CSS Modifications work which covered enhancements/modifications to the existing Alstom supplied CSS system in order to accommodate the new ATC system regardless of which company was awarded the work. Alstom has submitted a price of \$4,614,656.00 to provide the CSS Modifications to the ATC-CBTC.

On May 1, 2009 the Commission approved the award of a Contract for the Design and Supply of Radio Based ATC-CBTC for YUS Subway to Alstom in the amount of \$52,056,498.59.

Contract Details are as follows:

Original Contract Amount	\$52,056,498.59
Increased Amount for the CSS Modifications	\$ 4,614,656.00
Revised Contract Amount	\$56,671,154.59

## **DISCUSSION**

The Request for Proposal for the CSS Modifications was issued to Alstom on a single source basis as they were the original equipment manufacturer and the only company able to modify the system. Staff met with Alstom to review their submission and deal with any clarifications required during the evaluation. The proposal submission is considered acceptable. Alstom has agreed to the performance of the work for the CSS Modifications under the same terms and conditions of the existing contract for the ATC-CBTC. The addition of the CSS Modification work will be executed through a Contract Change to the ATC-CBTC contract for YUS. The price was reviewed by a third party consultant and is considered acceptable.

Alstom had satisfactorily completed the installation of the existing CSS system and is satisfactorily maintaining these systems under a maintenance agreement.

Staff support and recommend the addition of the CSS Modification work into the ATC-CBTC contract as there is a very high degree of interfacing and integration of the work required. Managing this work under a single contract has many benefits to the TTC in that the responsibility for scheduling, work coordination, design, testing and commissioning, information flow, management, etc. with respect to progress and execution of all the work is undertaken by the ATC-CBTC Contractor.

**JUSTIFICATION**

The inclusion of the CSS Modifications work into the ATC-CBTC contract will facilitate the administration of the contract and will significantly mitigate the integration and interfacing risks of the work.

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July 6, 2009  
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