

**REPORT TO THE  
DULLES CORRIDOR COMMITTEE**

**RECOMMENDATION TO AWARD A SOLE SOURCE  
CONTRACT FOR EQUIPMENT FOR THE WMATA  
AUTOMATIC TRAIN CONTROL (ATC) TRAINING  
FACILITY**

**FEBRUARY 2015**

## PURPOSE

The Dulles Corridor Committee approve and recommend that the Board of Directors approve the award of a Sole Source Contract to Alstom Signaling, Inc. of West Henrietta, New York for Automatic Train Control (ATC) Training Facility Equipment for the Dulles Corridor Metrorail Project – Phase 1 at \$3,339,231.

At the November 2014 Dulles Corridor Committee meeting and December 2014 Board of Directors meeting, this item was approved for \$2.5 million, based on a rough order of magnitude estimate. A final contract amount based on both Alstom's quotation and the MWAA Independent Cost Estimate (ICE) has been established requiring a revised action.

## BACKGROUND

### Automatic Train Control (ATC) Training Facility

- The original estimate of \$2.5 million was an initial rough order of magnitude estimate. At the time of the initial presentation preparation, MWAA's detailed ICE and Alstom Contract Bid amounts had not been finalized.
- The ICE was based upon utilization of an agreed scope of work and historic certified pricing data from Alstom Signaling, Inc. in the Phase 1 Design-Build Contract of June 19, 2007.
- Alstom then developed a specification to satisfy the Washington Metropolitan Area Transit Authority's (WMATA) functionality requirements.
- The ICE was completed in the amount of \$3.2 million and Alstom's cost proposal was in the amount of \$3.34 million, within 4% of the ICE.

## RECOMMENDATION

- The Dulles Corridor Committee approve and recommend that the Board of Directors approve the award of a Sole Source Contract to Alstom Signaling, Inc. of West Henrietta, New York for an Automatic Train Control (ATC) Training Equipment Facility for the Dulles Corridor Metrorail Project – Phase 1 at \$3,339,231.



Ronald Reagan Washington National Airport



Dulles Corridor Metrorail Project



Dulles Toll Road



Washington Dulles International Airport



METROPOLITAN WASHINGTON  
AIRPORTS AUTHORITY

**REPORT TO THE DULLES CORRIDOR COMMITTEE**  
**RECOMMENDATION TO AWARD A SOLE SOURCE CONTRACT FOR**  
**EQUIPMENT FOR THE WMATA AUTOMATIC TRAIN CONTROL (ATC)**  
**TRAINING FACILITY**

**FEBRUARY 2015**

**ACTION REQUESTED**

The Dulles Corridor Metrorail Project Staff recommends to Dulles Corridor Committee that it recommend approval to the full Board awarding a contract to Alstom Signaling Inc. to provide equipment with software for an Automatic Train Control (ATC) training facility for use by the Washington Metropolitan Area Transit Authority (WMATA). Specifically, this contract was originally presented to the Dulles Corridor Committee in November 2014 and to the Board for sole source approval in December 2014. The Board approved the contract. However, it was reported at that time that contract value would be \$2.5 million. After receipt of the MWAA Independent Cost Estimate (ICE) and the Alstom quotation, it was determined that the award of the contract will be \$3,339,231. The purpose of this action is to notify the Board of the higher contract amount, provide explanation and seek approval for this sole source contract award amount.

**BACKGROUND**

The Airports Authority contracted with Dulles Transit Partners (DTP) on June 19, 2007 to construct Phase 1 of the Dulles Corridor Metrorail Project. Phase 1 was turned over to WMATA on July 26, 2014 and is operating as the Silver Line. A critical element of the Project is the ATC system, which regulates the safe and efficient movement of trains on the line. The Airports Authority agreed to include equipment for the training facility in the Project. The previous, December 2014 Report to the Board of Directors provided specifics of this training facility equipment and the rationale for the sole source award.

The original estimate of \$2.5 million was an initial “rough order of magnitude” estimate. At the time of the initial preparation of the presentation to the Board, MWAA’s detailed ICE and the Alstom Contract Bid amounts had not yet been finalized.

The ICE establishes the fair and accurate expected price of the Contract going into the Contractor’s Proposal Review. It was based upon utilizing an agreed scope of work and historic certified pricing data from Alstom Signaling Inc. provided in the Phase 1 Design-

Build Contract. The scope of work was developed subsequent to the completion of the design for the ATC system in the Phase 1 Design-Build Contract. WMATA provided functionality requirements that the training lab equipment would have to satisfy. Alstom then developed a specification that would satisfy those requirements. This specification was reviewed, revised and approved by all parties. The ICE was completed in the amount of \$3.2 million. Alstom's proposal, utilizing the same scope, was subsequently received in the amount of \$3,339,231 and this amount was determined to be fair and reasonable.

The ICE and Alstom's proposal were not finalized at the time of initial preparation of the Report to the Board of Directors; therefore, the best estimate was presented. The final requested amounts represent an increase over the amount originally reported to and approved by the Board.

### **RECOMMENDATION**

The Dulles Corridor Committee approves and recommends that the Board approve the award of a sole source contract in the amount of \$3,339,231 to Alstom Signaling Inc. to provide equipment with software for an Automatic Train Control (ATC) training facility for use by the Washington Metropolitan Area Transit Authority (WMATA).

Prepared by:

Office of Engineering

February 2015

## Proposed Resolution

### Rescinding Resolution No. 14-32 and Authorizing Award of Sole Source Contract for Equipment for the Washington Metropolitan Area Transit Authority Automatic Train Control Training Facility

WHEREAS, The Airports Authority turned over Phase 1 of the Dulles Corridor Metrorail Project (Project), operating as the Silver Line, to the Washington Metropolitan Area Transit Authority (WMATA) on July 26, 2014;

WHEREAS, A critical element of the Project is the Automatic Train Control (ATC) system, which regulates the safe and efficient movement of trains on the Silver Line;

WHEREAS, The Airports Authority has agreed to provide equipment for a WMATA training facility which will replicate a fully-functional train control room to enable WMATA to train its personnel to reliably and safely operate and maintain the Silver Line and other segments of the Metrorail system;

WHEREAS, The equipment for the WMATA training facility will be procured on a sole source basis from Alstom Signaling, Inc. (Alstom);

WHEREAS, The proposed contract with Alstom is for the design, fabrication, testing and delivery of this ATC training equipment, excluding the installation of the equipment;

WHEREAS, WMATA will perform the actual installation of the equipment in WMATA's existing facility, and WMATA's installation costs will be a reimbursable Project cost;

WHEREAS, As required by the Contracting Manual, notice of this intended sole source award has been published on the Airports Authority's website for the required time period;

WHEREAS, On December 10, 2014, the Board of Directors adopted Resolution No. 14-32 in which it approved this sole source contract award to Alstom;



WHEREAS, Following the December 10, 2014, staff reported to the Board that the pricing information for this contract, which had been presented to the Board in December 2014, contained an out-of-date price estimate of \$2.5 million, and that a new independent cost estimate, together with other pricing information, had produced a higher contract price of \$3.4 million;

WHEREAS, At the Board's request, staff has presented this new pricing information to the Board at its February 18, 2015 meeting, has described the derivation of the new contract price figure, and has explained the reasons this price is higher than the estimate presented to the Board in December 2014;

WHEREAS, The Board is satisfied with the staff's presentation; now, therefore, be it

RESOLVED, that Resolution No. 14-32 is hereby rescinded, to be replaced with this Resolution;

2. That the President and Chief Executive Officer is authorized and directed to enter into a sole source contract with Alstom Signaling, Inc., for the design, fabrication, testing and delivery of equipment for the WMATA ATC training facility; and

3. That, as requested by the Dulles Corridor Committee at its November 12, 2014 meeting, the executed contract with Alstom will require it, during the period of performance of the contract and at no additional cost to the Airports Authority, to update the ATC training facility equipment and documentation to match any configuration changes it initiates to existing Dulles Corridor Metrorail Project equipment.

*For Consideration by the Dulles Corridor Committee  
and Board of Directors on February 18, 2015*

NOTE: Recorded vote is required.