



VIRGINIA RAILWAY EXPRESS
OPERATIONS BOARD

Agenda Item 10-C
Action Item

To: Chair Bohmke and the VRE Operations Board

From: Rich Dalton

Date: May 17, 2024

Re: Authorization to Amend the Contract for Maintenance and Service of Positive Train Control Software and Hardware

Recommendation:

The VRE Operations Board is asked to authorize the Chief Executive Officer to amend the current contract with Wabtec Railway Electronics for Maintenance and Service of Positive Train Control (PTC) Software and Hardware in an amount of \$2,007,498, plus a 10% contingency of \$200,749, for a total amount of \$2,208,247. This will increase the authorization for this contract from \$1,798,500 to a total amount not to exceed \$4,006,747.

Summary:

Through a previous sole source contract, VRE purchased PTC I-ETMS® onboard equipment and associated software designed and manufactured exclusively by Wabtec Railway Electronics (Wabtec). VRE subsequently executed a separate maintenance and service agreement with Wabtec to ensure the system was monitored, managed, and maintained properly. VRE now seeks to extend the term of its contract with Wabtec for maintenance and support for an additional period of five years.

Background:

The Rail Safety Improvement Act (RSIA) of 2008 mandated the implementation of a PTC system by December 31, 2018. The PTC system is designed to prevent the following:

- 1) Train-to-Train collisions
- 2) Derailments caused by excessive speeds



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Transportation Commission
2300 Wilson Blvd., Suite 230
Arlington, VA 22201
703-524-3322



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1500 King Street, Suite 202
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VRE.org



Potomac and Rappahannock
Transportation Commission
14700 Potomac Mills Road
Woodbridge, VA 22192
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3) Unauthorized incursions by trains onto sections of track where maintenance activities are taking place

4) Movement of a train through a track switch left in the wrong position

In September of 2013, the VRE Operations board authorized a sole source contract with Wabtec for the purchase and installation of PTC I-ETMS[®] onboard equipment. The equipment was installed on 20 VRE locomotives and 21 VRE cab control cars in 2015 and 2016.

In February 2018, the VRE Operations Board authorized a subsequent sole source maintenance and service agreement with Wabtec to provide the following:

1) Product Support Desk Services

2) Defect Resolution Services

3) Onboard Equipment Software Support Services

4) Change Management Services

5) Onboard Hardware Repair Services

6) Onboard Hardware Upgrade Services

The term of the agreement with Wabtec for maintenance and service is expiring and VRE seeks to amend the contract to extend the term for an additional period of five years. This proposed extension will serve to provide VRE with necessary, ongoing support directly from Wabtec, the Original Equipment Manufacturer of VRE's PTC system, to ensure the associated hardware and software are monitored, managed, and maintained as required by the RSIA mandate.

Fiscal Impact:

Funding is provided in the FY 2024 and FY 2025 annual operating budgets for Positive Train Control. Future years' operating budgets will contain the same provisions.

**Virginia Railway Express
Operations Board Resolution**

10C-05-2024

**Authorization to Amend the Contract for Maintenance and Service of Positive
Train Control Software and Hardware**

WHEREAS, the Rail Safety Improvement Act of 2008 mandated the implementation of a Positive Train Control system by December 31, 2018; and,

WHEREAS, in September 2013, the VRE Operations board authorized award of a sole source contract to Wabtec Railway Electronics for the purchase and installation of Positive Train Control I-ETMS®; and,

WHEREAS, in February 2018, the VRE Operations Board authorized a subsequent sole source maintenance and service agreement with Wabtec Railway Electronics for the on-board hardware and associated software; and,

WHEREAS, the term of the agreement with Wabtec Railway Electronics for maintenance and service is expiring and VRE seeks to amend the contract to extend the term for an additional period of five years;

NOW, THEREFORE, BE IT RESOLVED THAT, the VRE Operations Board does hereby authorize the Chief Executive Officer to amend the current contract with Wabtec Railway Electronics for Maintenance and Service of Positive Train Control Software and Hardware in an amount of \$2,007,498, plus a 10% contingency of \$200,749, for a total amount of \$2,208,247. This will increase the authorization for this contract from \$1,798,500 to a total amount not to exceed \$4,006,747.

Approved this 17th day of May 2024

Meg Bohmke
Chair

Ralph Smith
Secretary