Agenda Item 8-D
Action Item

To:    Chairman Nohe and the VRE Operations Board
From:  Doug Allen
Date:  September 21, 2018
Re:    Authorization to Execute a Contract for the Purchase of Automated Electric Motor Parking Brake Systems

Recommendation:

The VRE Operations Board is asked to authorize the Chief Executive Officer to execute a contract with Wabtec Passenger Transit of Duncan, SC for the purchase of Automated Electric Motor Parking Brake Systems in the amount of $176,680, plus a 10% contingency of $17,668, for a total amount not to exceed $194,348.

Summary:

The VRE lifecycle maintenance team recommends replacing the hand brake at eight-year intervals and the factory installed lever-style hand brakes on VRE’s 20 locomotives are approaching the end of that useful life. Replacing the lever-style hand brakes with Automated Electric Motor Parking Brake Systems is recommended to produce consistent braking forces and eliminate a source of repetitive strain. Authorization of this contract allows VRE to replace and upgrade the current hand brake systems on VRE’s locomotives.

Background:

VRE purchased 20 MP36PH-3C locomotives from MotivePower, Inc. which were delivered in 2010 and 2011.
Each VRE locomotive is equipped with a lever-style hand brake. The hand brake is a safety mechanism used mainly as a parking brake. The hand brake operates in harmony with the foundation brake system but applies brakes only to the right wheels of the rear truck by tightening a chain connected to the brake rigging.

The VRE lifecycle maintenance team recommends replacing the hand brake at eight-year intervals due to the wear of the components within the hand brake and the key role this safety device plays in securing equipment. The team further recommended upgrading to an automated parking brake system to provide more consistent braking forces as well as to help prevent repetitive strain injuries.

On February 16, 2018, the VRE Operations Board approved a request to issue an Invitation for Bids (IFB) for the Purchase and Delivery of Automated Electric Motor Parking Brake Systems. A mailing list of four (4) prospective Bidders was established for the solicitation to ensure access to adequate sources of parts. On June 21, 2018, an IFB was issued and bids were due on August 20, 2018. Only one (1) response was received. The staff conducted a survey to determine why only a single bid was received and is satisfied with the results.

The following reasons were given for why Bidders did not respond to the solicitation:

- *Bidders lacked the resources necessary to assemble a completed bid package.*
- *Bidders were unable to provide an automated electric motor parking brake system compatible with VRE’s MP36PH-3C locomotives.*

The staff has certified the price is fair and reasonable.

The bid tabulation is as follows:

<table>
<thead>
<tr>
<th>Bidder</th>
<th>Bid Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Wabtec Passenger Transit</td>
<td>$176,680</td>
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</tbody>
</table>

**Fiscal Impact:**

This project is included in the CIP for Equipment Asset Management Program for FY 2018 funded through an annual allocation of FTA 5337 (State of Good Repair) grants.
Virginia Railway Express  
Operations Board  
Resolution  
8D-09-2018  

Authorization to Execute a Contract for the Purchase of  
Automated Electric Motor Parking Brake Systems  

WHEREAS, the factory installed lever-style hand brakes on VRE’s 20 locomotives are approaching the end of their useful life; and,  

WHEREAS, the VRE lifecycle maintenance team recommends upgrading to an automated parking brake system to provide more consistent braking forces as well as to help prevent repetitive strain injuries; and,  

WHEREAS, the VRE Operations Board authorized the CEO to issue an Invitation for Bids for the Purchase and Delivery of Automated Electric Motor Parking Brake Systems; and,  

WHEREAS, a competitive solicitation process was conducted; and,  

WHEREAS, Wabtec Passenger Transit was the only responsive-responsible bidder; and,  

WHEREAS, staff certified the price is fair and reasonable;  

NOW, THEREFORE, BE IT RESOLVED THAT, the VRE Operations Board does hereby authorize the Chief Executive Officer to execute a contract with Wabtec Passenger Transit of Duncan, SC for the Purchase of Automated Electric Motor Parking Brake Systems in the amount of $176,680, plus a 10% contingency of $17,668, for a total amount not to exceed $194,348.  

Approved this 21st day of September 2018  

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Martin Nohe  
Chairman  

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Maureen Caddigan  
Secretary