To: Chairman Skinner and the VRE Operations Board

From: Doug Allen

Date: October 21, 2016

Re: Authorization to Issue an MEC VI Task Order for Oversight and Engineering for PTC Testing and Hosted Back Office Services

Recommendation:

The VRE Operations Board is asked to authorize the Chief Executive Officer to issue a Task Order to STV, Inc. under the MEC VI Contract to provide engineering and oversight work for Positive Train Control (PTC) testing and hosted back office services in the amount of $429,375, plus a 10% contingency of $42,938, for a total not to exceed $472,313.

Background:

The Rail Safety Improvement Act of 2008, as amended, mandates the implementation of Positive Train Control (PTC) by December 31, 2018. VRE has been working to implement PTC prior to the deadline.

In August of 2011, the Operations Board authorized a Task Order with STV, Inc. to provide the necessary engineering and design work for the installation of the on-board PTC equipment in the Gallery IV Cab Control Railcars and MP36 Locomotives. In March of 2013, the Operations Board authorized a Task Order with STV, Inc. to provide engineering and oversight work for the procurement and installation of the on-board equipment. In September of 2016, all VRE locomotives and cab control cars had PTC on-board equipment installed. VRE is now ready to begin the next phase of PTC implementation.
The scope of work for this Task Order includes developing protocols and coordinating with our host railroads to validate, test and certify VRE locomotives and cab control cars in the PTC environment. This includes an extremely complex and detailed interoperability validation and testing process. STV, Inc. will also provide engineering and oversight for the hosted PTC back office services that will provide VRE with the ability to initialize VRE trains with the ITC Federated Network, provide VRE host railroads crew and train consist information, download PTC software updates and access reports in compliance with the Rail Safety Improvement Act of 2008, as amended. All work will be conducted in accordance with Federal regulations governing PTC Implementation to assure final approval of VRE’s PTC Implementation and full compliance with the mandate requirements. This work will occur over the course of the next two calendar years.

**Fiscal Impact:**

Funding is provided for in the current six-year CIP budget for PTC Implementation.
Virginia Railway Express  
Operations Board  
Resolution  
8C-10-2016  

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WHEREAS, VRE has a Contract with STV, Inc. for Mechanical Engineering Services; and,

WHEREAS, VRE is mandated to implement Positive Train Control (PTC) by the Rail Safety Improvement Act of 2008, as amended, by December 31, 2018; and,

WHEREAS, VRE is coordinating with our host railroads, CSX Transportation and Norfolk Southern Railway, to implement PTC; and,

WHEREAS, STV, Inc. will develop protocols and coordinate testing with VRE’s host railroads and provide engineering and oversight for the implementation of the hosted back office service;

NOW, THEREFORE, BE IT RESOLVED THAT, the VRE Operations Board does hereby authorize the Chief Executive Officer to issue a Task Order to STV, Inc. under the MEC VI Contract to provide engineering and oversight work for Positive Train Control testing and hosted back office services in the amount of $429,375, plus a 10% contingency of $42,938, for a total not to exceed $472,313.

Approved this 21st day of October 2016

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Gary Skinner
Chairman

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Maureen Caddigan
Secretary