TO: CHAIRMAN SMEDBERG AND THE VRE OPERATIONS BOARD
FROM: DOUG ALLEN
DATE: MARCH 15, 2013
RE: AUTHORIZATION TO ISSUE A TASK ORDER TO STV FOR ENGINEERING AND OVERSIGHT WORK FOR PTC IMPLEMENTATION

RECOMMENDATION:

The VRE Operations Board is being asked to authorize the Chief Executive Officer to issue a task order to STV, Inc., under the MEC V contract, to provide for engineering and oversight work for PTC implementation in the amount not to exceed $550,645, plus a 10% contingency, for a total contract value of $605,710.

BACKGROUND:

The Rail Safety Improvement Act of 2008 mandates the implementation of Positive Train Control (PTC) by December 31, 2015. VRE is working with CSX and NS to align our efforts with their PTC implementation plan(s). The estimated projected phase-in for the territory VRE operates in for CSX is CY 2014. This is the more aggressive schedule between the two host railroads. The characteristics of PTC are:

- Train separation or collision avoidance
- Line speed enforcement
- Temporary speed restrictions
- Rail worker wayside safety

The law was in effect when VRE began the procurement of new locomotives; therefore, VRE was able to include provisions for PTC equipment installation. Since VRE’s fleet of cab cars were procured prior to 2008, the cab cars do not have the same provisions as the new locomotives.
In August 2011, the Operations Board authorized a task order with STV to provide the necessary engineering and design work for the enclosures and other requirements for installation of the on-board PTC equipment in the cab cars. This design work is near completion.

As such, VRE is in need to start the next phase of PTC implementation with the procurement of enclosures to house the on-board equipment in the cab cars; procurement of the on-board electronic equipment for the locomotives and cab cars; provide oversight for the installation of PTC on-board equipment provided for by a contractor; work on various internal and external programs to support the implementation, training, and certification of VRE’s PTC program; coordinate activities with the host railroads to define field testing requirements; coordinate activities to define VRE’s back office solution; coordinate activities to define communications systems requirements.

STV will provide the necessary engineering services and oversight work to perform the above functions under this task order. VRE staff will return to the Operations Board with an additional task order for the full implementation of field testing, back office solution, communications systems and other implementation tasks once the scope of work is completely identified.

**FISCAL IMPACT:**

Funds for the project are available from FY 12 federal grant X380 with state and local match.
RESOLUTION
9A–03–2013
OF THE
VIRGINIA RAILWAY EXPRESS
OPERATIONS BOARD

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

WHEREAS, VRE is mandated to implement Positive Train Control (PTC) by the Rail Safety Improvement Act of 2008 by December 31, 2015; and,

WHEREAS, VRE is working with CSX and Norfolk Southern to implement PTC ahead of the deadline; and,

WHEREAS, STV will provide the next phase of engineering and oversight work to accommodate the implementation of the required on-board PTC equipment and system applications.

NOW, THEREFORE, BE IT RESOLVED THAT, the VRE Operations Board authorizes the Chief Executive Officer to issue a task order to STV, Inc., under the MEC V contract to provide for engineering and oversight work for PTC implementation in the amount not to exceed $550,645, plus a 10% contingency, for a total contract value of $605,710.

Approved this 15th day of March, 2013.

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Paul Smedberg  
Chairman

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John Cook  
Secretary