To: Chairman Smedberg and the VRE Operations Board

From: Doug Allen

Date: February 17, 2017

Re: VRE Positive Train Control (PTC) Implementation Plan Update

The Rail Safety Improvement Act of 2008, as amended, mandates the implementation of Positive Train Control (PTC) by December 31, 2018. As such, VRE has been working to implement the tenant railroad PTC requirements prior to the deadline. This work has been done in close coordination with our host railroads, which continue to work on implementing their required systems. To date, the following major project implementation milestones have been completed:

1. Submittal of a revised PTC Implementation Plan as required by the Fixing America’s Surface Transportation (FAST) Act
2. Installation of the WRE I-ETMS® on-board equipment on all VRE locomotives and cab control cars
3. Procurement of a 3rd party provider of a Hosted Back Office Service
4. Development of training programs for operations and maintenance staff
5. Survey for wayside Wi-Fi hotspots for software updates and crew initializations

The following project implementation milestones will be completed during the first half CY2017:

1. Project kick-off for the Hosted Back Office Service
2. Procurement and installation of Wi-Fi hotspots
3. Training of operations and maintenance staff
4. Field qualification testing with VRE host railroads (CSX Transportation and Norfolk Southern Railway – currently scheduled for 2\textsuperscript{nd} half of CY2017)

VRE continues to submit quarterly project implementation updates to the Federal Railroad Administration (FRA), as required by regulation, and coordinate project activities with our host railroads.