

# **VIRGINIA RAILWAY EXPRESS**

## **FY2020 - FY2025**

### **TRANSIT DEVELOPMENT PLAN**

VRE Operations Board  
November 16, 2018



A BETTER WAY. A BETTER LIFE.

# ROLE OF THE TRANSIT DEVELOPMENT PLAN



## Internal perspective (VRE)

***Summarizes** and **coordinates** near term actions and initiatives to achieve VRE's long range vision*

## External perspective (DRPT)

*Commonwealth transit agencies **identify needs, service changes, required funding,** and **local priorities** to meet near and long term opportunities and challenges*



VIRGINIA RAILWAY EXPRESS

# TDP UPDATE PROCESS



VIRGINIA RAILWAY EXPRESS

**VRE MISSION:** *The Virginia Railway Express (VRE), a joint project of the Northern Virginia Transportation Commission and the Potomac and Rappahannock Transportation Commission, will provide safe, cost effective, accessible, reliable, convenient, and comfortable commuter-oriented rail passenger service. VRE will contribute to the economic development of its member jurisdictions as an integral part of a balanced, intermodal regional transportation system.*

## **GOAL #1 – SERVICE DELIVERY**

Deliver safe, secure, high-quality, and convenient service that is responsive to customer needs

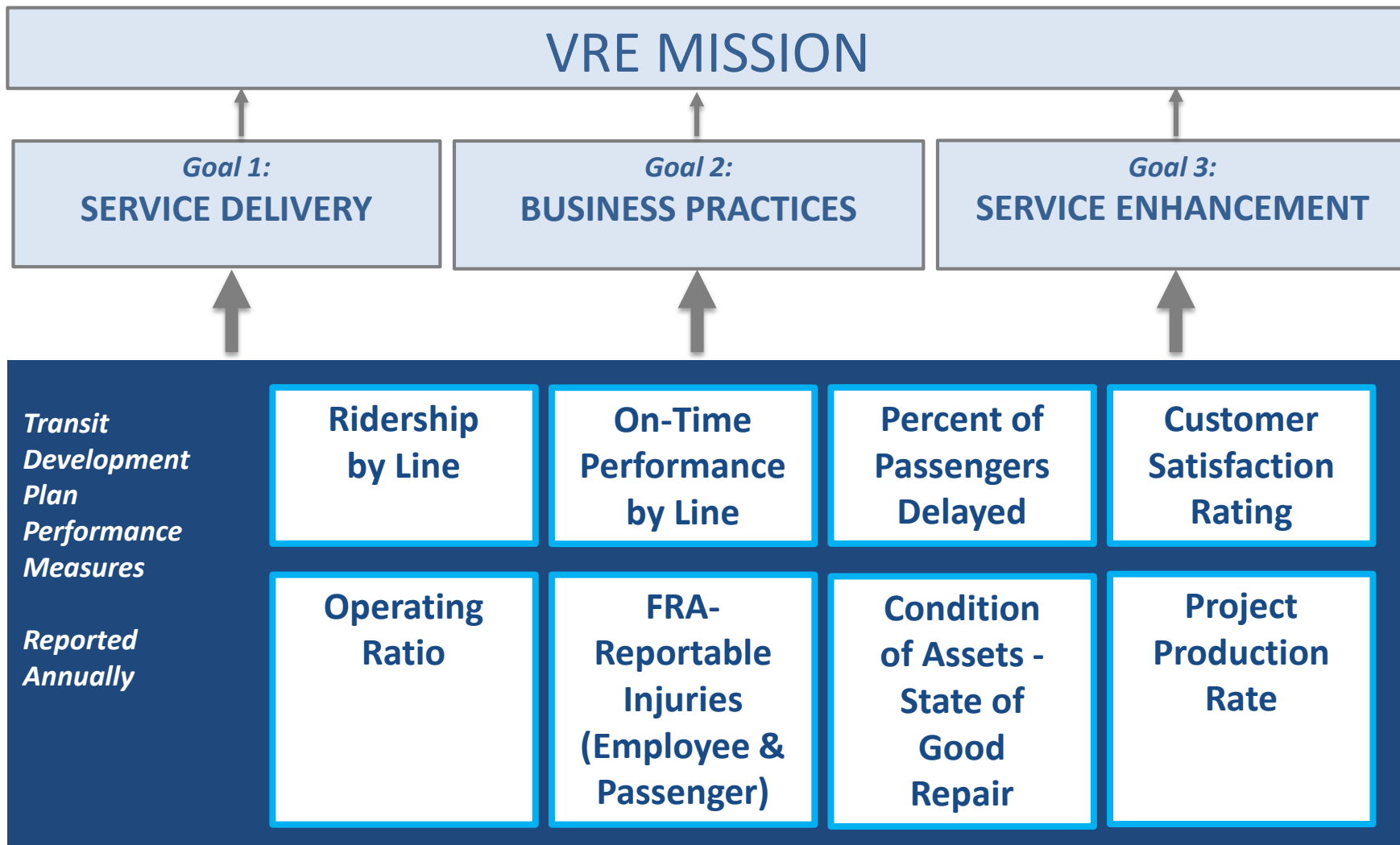
## **GOAL #2 – BUSINESS PRACTICES**

Employ industry-leading business practices to drive operating efficiency, project delivery, regulatory compliance, and partnerships

## **GOAL #3 – SERVICE ENHANCEMENT**

Expand VRE ridership efficiently and economically through operational enhancements, physical improvements, and coordinated intermodal integration throughout the region







## LONG RANGE PLANS



VRE System Plan  
Summary

### Strategic Financial Forecasting

Presented to

VRE Operations Board

February 19, 2016

presented by  
Donna Boxer, CFO  
Christine Hoeffner, Project Development Manager  
Melvin Waldrop, Sr. Managing Consultant, PFM



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VIRGINIA RAILWAY  
EXPRESS

## TRANSIT DEVELOPMENT PLAN FY2020 – FY2025

Prepared by the  
Virginia Railway Express

For submittal to the  
Virginia Department of Rail  
and Public Transportation

## ANNUAL WORK PLANS



VIRGINIA RAILWAY  
EXPRESS

### FLEET MANAGEMENT PLAN

May 2017

National Transit Database and Asset Management  
Reporting

Task 3 – Overview of FTA Asset Management Requirements  
White Paper

Final  
August 22, 2016



Prepared by:  
STV *100*

### Virginia Railway Express (VRE) Facilities Maintenance Plan



Revised April 2017



VIRGINIA RAILWAY EXPRESS

# TDP TIMEFRAMES

## *FY 2020 – 2025 Fiscally-Constrained Plan*

- Outlines existing service and limited expansion consistent with the “Natural Growth” scenario
- Prioritizes implementation of projects and plans
- Identifies the financial plan for capital projects and operations

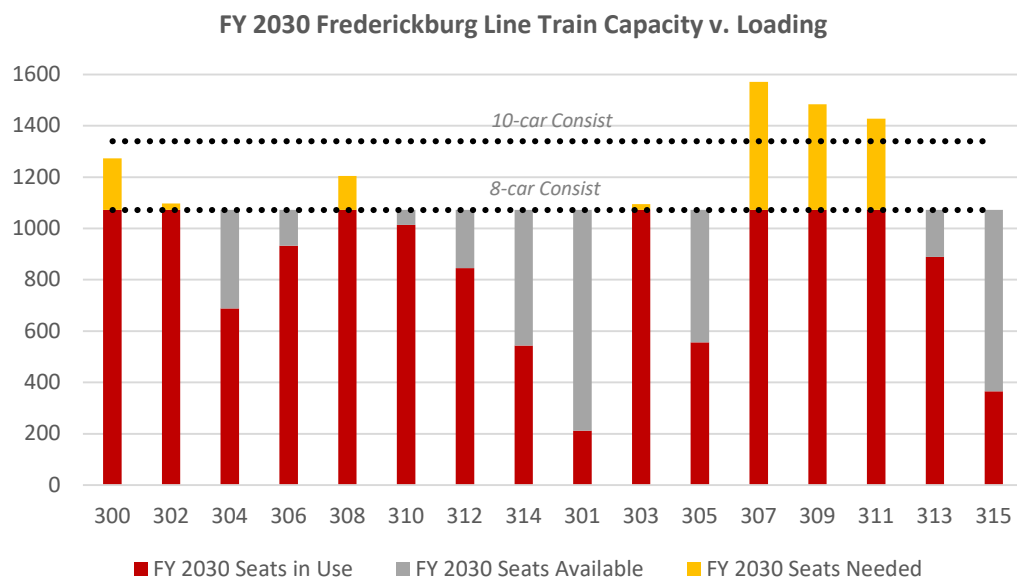
## *FY 2026 – 2029 Fiscally-Unconstrained Plan*

- Identifies current and future unfunded needs along with potential resources
- Summarizes ongoing planning/forecasting processes and initiatives



# NEEDS – SEAT CAPACITY

- Some MSS Line trains are over-subscribed today
- Ridership modeling was conducted to identify long-term demand
- Results show 10-car trains on FBG Line will not meet 2030 peak hour demand

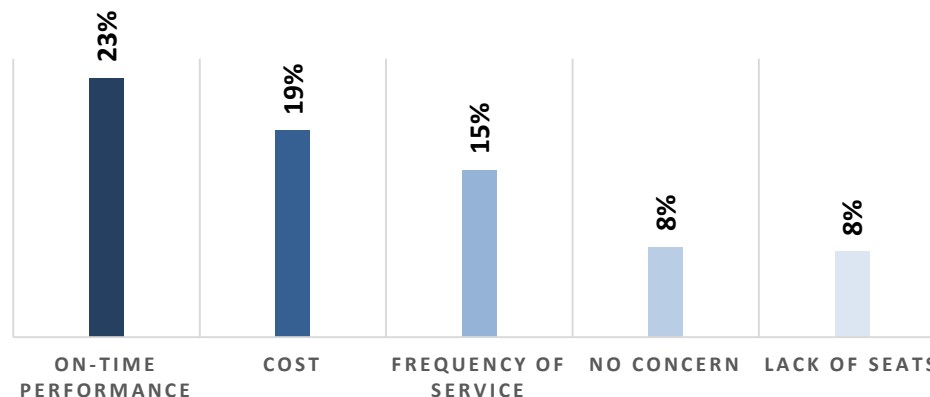




# NEEDS – TIMING, FREQUENCY, MARKET

- VRE riders prefer earlier PM departures on both lines
- Modeling results show that new riders are attracted by higher frequency service, esp. MSS Line
- Frequency of service cited in VRE Customer Surveys
- Interest in reverse commute was expressed at the TDP workshop and other meetings

Top Five VRE Customer Survey Concerns (2015-2016)



# SERVICE EXPANSION REQUIREMENTS

- Additional operating funding
- Additional capital funding (equipment, facilities, etc.)
- Expanded train storage capacity at VA and DC yards
- Expanded capacity at Washington Union Station at peak times
- Appropriate number & time of slots for each line



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# SERVICE PLANNING

## *FY 2020 – 2025 Fiscally-Constrained Plan*

- Extend existing FBG trains to 8 cars as needed *(SMART SCALE)*
- Extend existing MSS trains to 10 cars as needed *(I-66 OTB)*

## *FY 2026 – 2029 Fiscally-Unconstrained Plan*

- Develop a service plan to:
  - Adjust train timings and increase frequency using existing resources in the near term
  - Provide additional peak trips using new trainsets
  - Serve FBG reverse commute by cycling trainsets for new peak trips



# CAPITAL PROJECTS

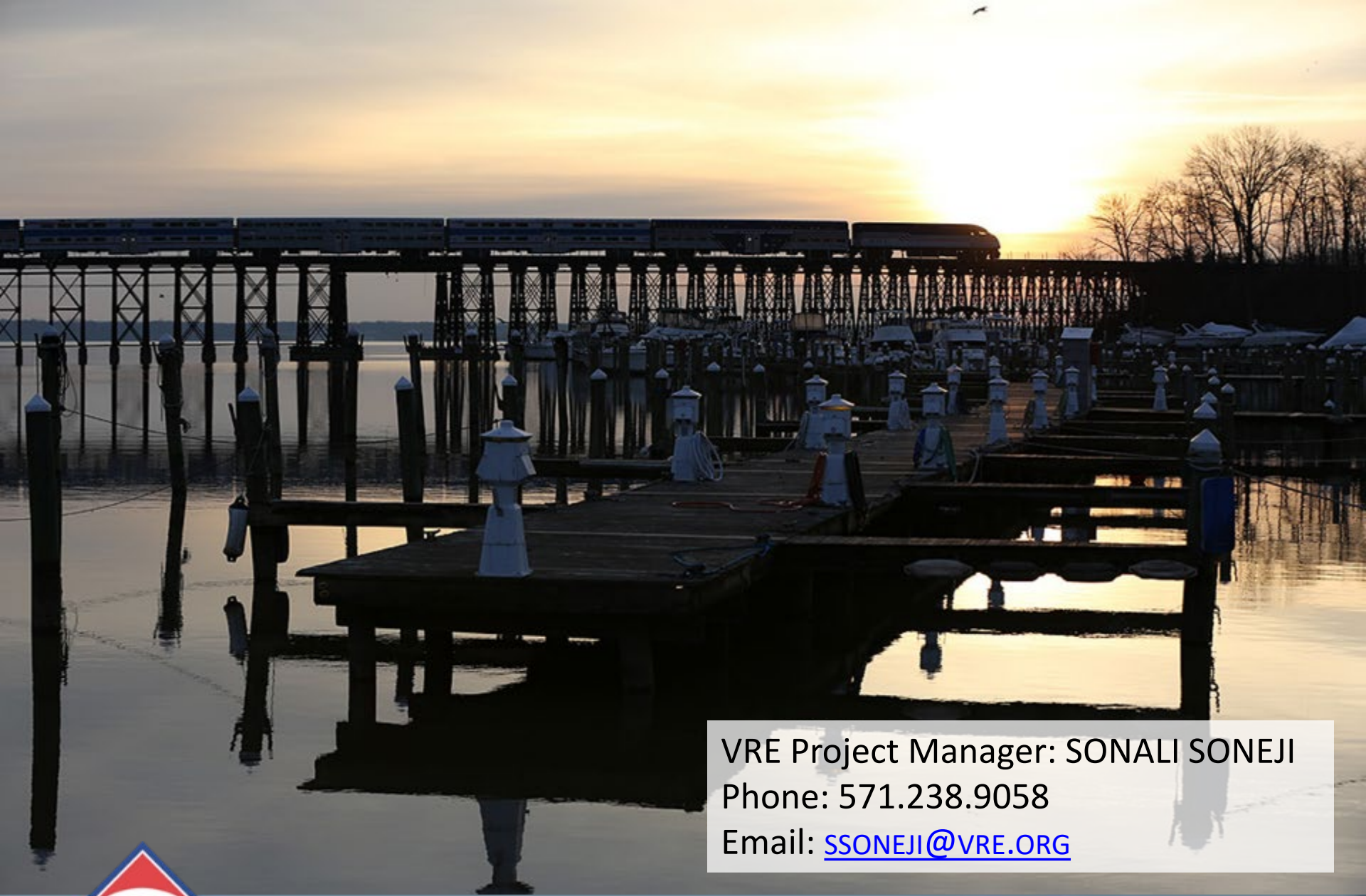
## *FY 2020 – 2025 Fiscally-Constrained Plan*

- Platform extensions, second platforms, & parking expansions
- Yard expansions in DC and VA to store extended trains
- Rolling stock (coaches) to extend trains
- Fourth Track segments between Alexandria and L'Enfant stations

## *FY 2026 – 2029 Fiscally-Unconstrained Plan*

- Long Bridge expansion
- Third track south of the Occoquan river
- Locomotives and coaches for new trains
- Yard expansions to store new trains





VRE Project Manager: SONALI SONEJI

Phone: 571.238.9058

Email: [SSONEJI@VRE.ORG](mailto:ssoneji@vre.org)



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