

# VIRGINIA RAILWAY EXPRESS FREDERICKSBURG LINE CAPACITY EXPANSION PROJECT

VRE / NVTC SMART SCALE APPLICATION

FAMPO Policy Advisory Committee  
October 17, 2016



A BETTER WAY. A BETTER LIFE.

# VRE SYSTEM PLAN 2040

## Adding rail capacity is the key

### PHASE 1: *Run Longer Trains*

- More railcars
- More station parking
- More train storage tracks
- Second & longer platforms

### PHASE 2 & 3: *Run More Trains*

Earn additional train slots through capacity improvements

- Third/fourth track on CSXT
- Long Bridge
- More parking, railcars
- Gainesville-Haymarket Extension

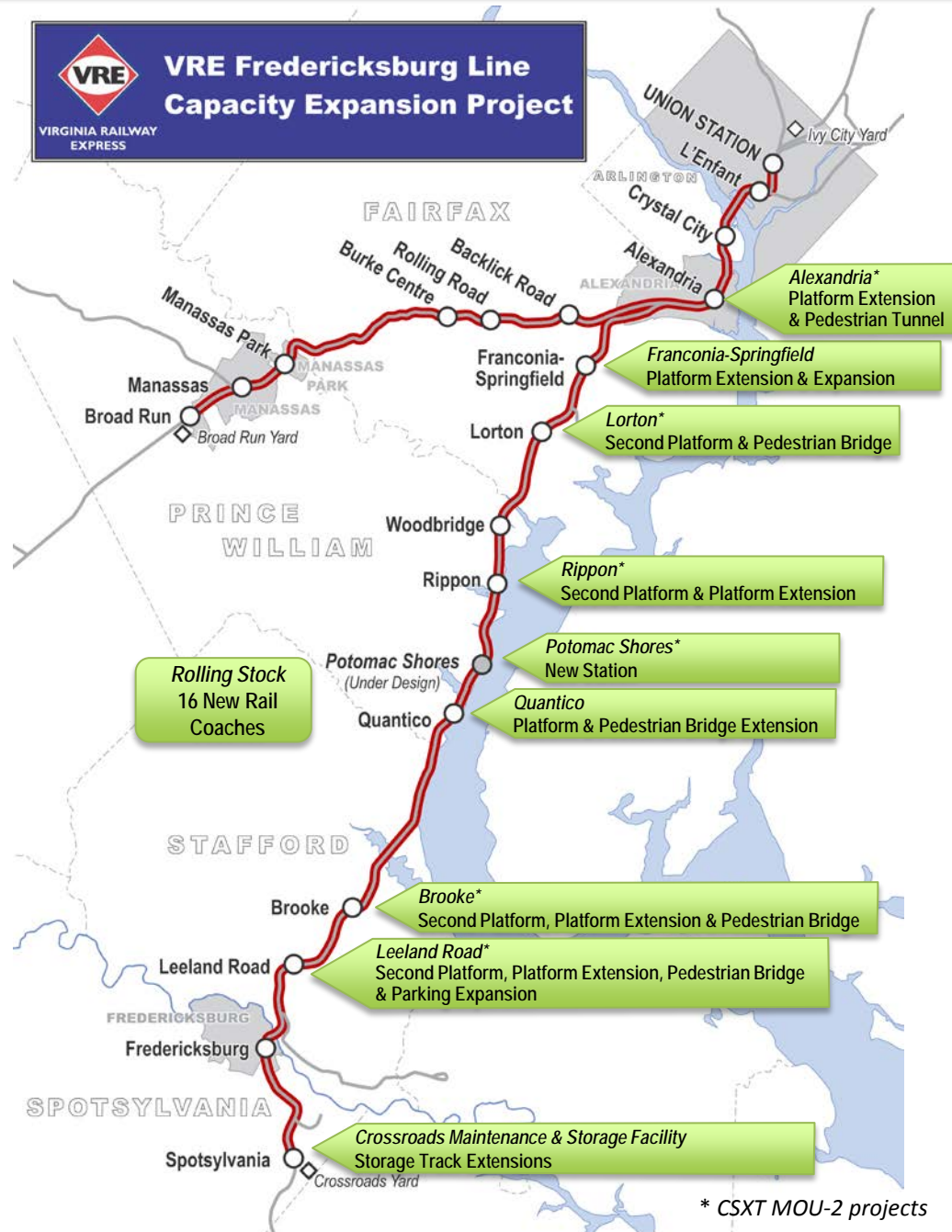


VIRGINIA RAILWAY EXPRESS

# Smart Scale Application: Fredericksburg Line Capacity Expansion Project

- Complete underfunded or unfunded Phase 1 projects
- Extend all Fredericksburg Line trains to eight cars
- Expand parking to serve FY 2025 ridership demand
- Complete projects in CSXT MOU-2 to open Potomac Shores station

***NVTC is the project applicant***



\* CSXT MOU-2 projects



# Smart Scale Application Details of Project Elements

- Rolling Stock: 16 expansion cars (5 funded + 11 unfunded) including one spare (2,680 additional seats)
- Alexandria:\* Extend east platform; Construct new pedestrian tunnel
- Franconia-Springfield: Extend west platform; Extend and widen east platform
- Lorton:\* Construct west platform and pedestrian bridge
- Rippon:\* Extend and widen east platform; Construct west platform
- Quantico: Extend east platform; Construct pedestrian bridge from new west platform to MCBQ
- Brooke:\* Extend and widen east platform; Construct west platform and pedestrian bridge;
- Leeland Road:\* Extend east platform; Construct west platform and pedestrian bridge; Construct 225 parking spaces in a surface lot;
- Potomac Shores:\* Construct new station with 550 parking spaces;
- Crossroads MSF: Expand track capacity to store eight-car trains and new coaches

\* CSXT MOU-2 projects



# Estimated Project Costs and Funding Requested

Project Name	Total Cost (FY17)	Smart Scale Request (FY17)	Percent Funded
Alexandria Platform & Pedestrian Tunnel*	\$28,400,000	\$18,400,000	35%
Franconia- Springfield Platforms	\$13,000,000	—	100%
Lorton Platforms & Bridge*	\$18,700,00	—	100%
Rippon Platforms & Bridge*	\$16,600,000	—	100%
New Potomac Shores Station*	\$16,600,000	—	100%
Quantico Platforms & Bridge	\$16,400,000	\$4,000,000	76%
Brooke Platforms & Bridge*	\$21,300,000	\$10,900,000	49%
Leeland Road Platforms & Bridge*	\$14,500,000	\$4,100,000	72%
Leeland Road Parking Expansion	\$4,700,000	\$4,700,000	0%
Crossroads Maintenance & Storage Facility	\$8,000,000	\$7,000,000	12%
16 New Rail Coaches (5 funded + 11 unfunded)	\$42,000,000	\$28,900,000	31%
<b>TOTAL</b>	<b>\$200,200,000</b>	<b>\$78,000,000</b>	<b>61%</b>

\* CSXT MOU-2 Projects

**Request Escalated  
for Inflation  
(3.5% per year)**

<u>Fiscal Year</u>			
2017		\$ 78,000,000	
2018		\$ 80,700,000	
2019		\$ 83,600,000	
2020		\$ 86,500,000	
2021		\$ 89,500,000	
<b>Request → 2022</b>	<b>\$ 214,800,000</b>	<b>\$ 92,600,000</b>	<b>57%</b>
2023		\$ 95,900,000	



# SUMMARY

## Smart Scale Application: Fredericksburg Line Capacity Expansion

Total Project Cost (FY 2022):	\$214.8 million
Smart Scale Request (FY 2022):	\$92.6 million
Total Project Funded:	57%

***Expands seven stations & Crossroads MSF  
Adds 11 train cars, 1 new station & 775 parking spaces***

- Increases Person Throughput, Reduces Congestion & Improves Reliability for all users of I-95/I-395, US 1, and the RF&P railroad.
- Improves Safety & Job Access
- Supports Economic Development at Origins & Destinations
- Consistent with Local and Regional Land Use and Policies and Transportation Plans

