

# CEO REPORT

FEBRUARY 2018



# OUR MISSION

The Virginia Railway Express, a joint project of the Northern Virginia Transportation Commission and the Potomac Rappahannock Transportation Commission, will provide safe, cost-effective, accessible, reliable, convenient, and customer responsive commuter-oriented rail passenger service. VRE contributes to the economic vitality of its member jurisdictions as an integral part of a balanced, intermodal regional transportation system.





CEO REPORT | FEBRUARY 2018

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VIRGINIA RAILWAY EXPRESS  
A better way. A better life.



# SUCCESS AT A GLANCE

Data provided reflects December 2017 information.



PARKING  
UTILIZATION

The total number of parking spaces used in the VRE system during the month, divided by the total number of parking spaces available.



AVERAGE DAILY  
RIDERSHIP

The average number of boardings each operating day inclusive of Amtrak Step-Up boardings but excluding "S" schedule operating days.

▲ Same month, previous year.



ON-TIME PERFORMANCE

Percentage of trains that arrive at their destination within five minutes of the schedule.

▲ Same month, previous year.



SYSTEM CAPACITY

The percent of peak hour train seats occupied. The calculation excludes reverse flow and non-peak hour trains.



OPERATING RATIO

The monthly operating revenues divided by the monthly operating expenses, which depicts the percent of operating costs paid by the riders.

◆ Board-established goal.

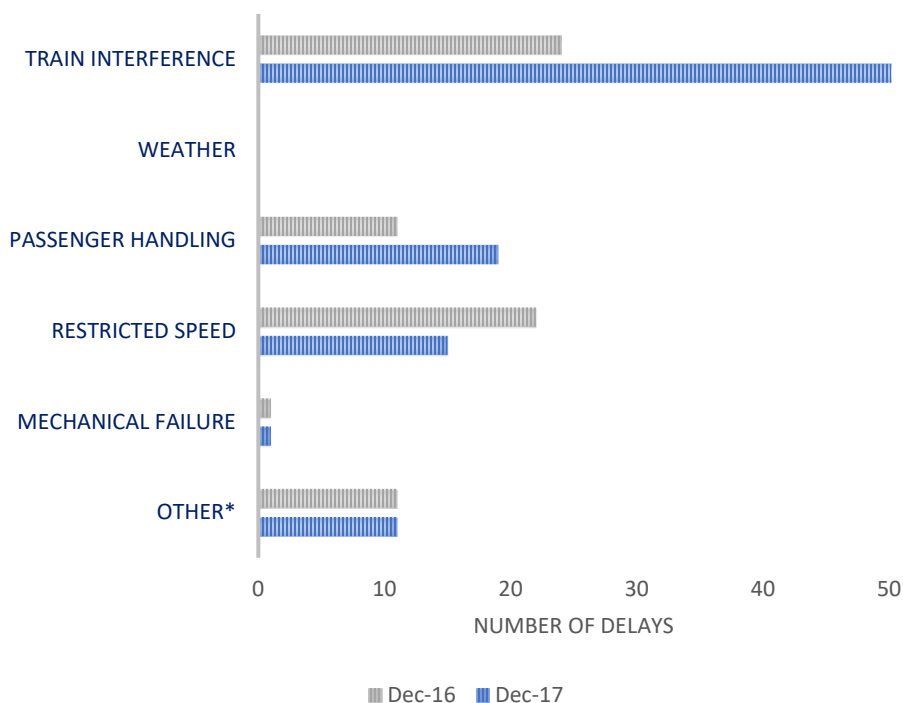


# ON-TIME PERFORMANCE

## OUR RECORD

	December 2017	November 2017	December 2016
Manassas Line	93%	89%	89%
Fredericksburg Line	90%	93%	82%
System Wide	92%	91%	85%

## REASONS FOR DELAYS



VRE operated 576 trains in December.

Our on-time rate for December was 92%.

Forty-nine of the trains arrived more than five minutes late to their final destinations. There were twenty late trains on the Manassas Line and twenty-nine late trains on the Fredericksburg Line.

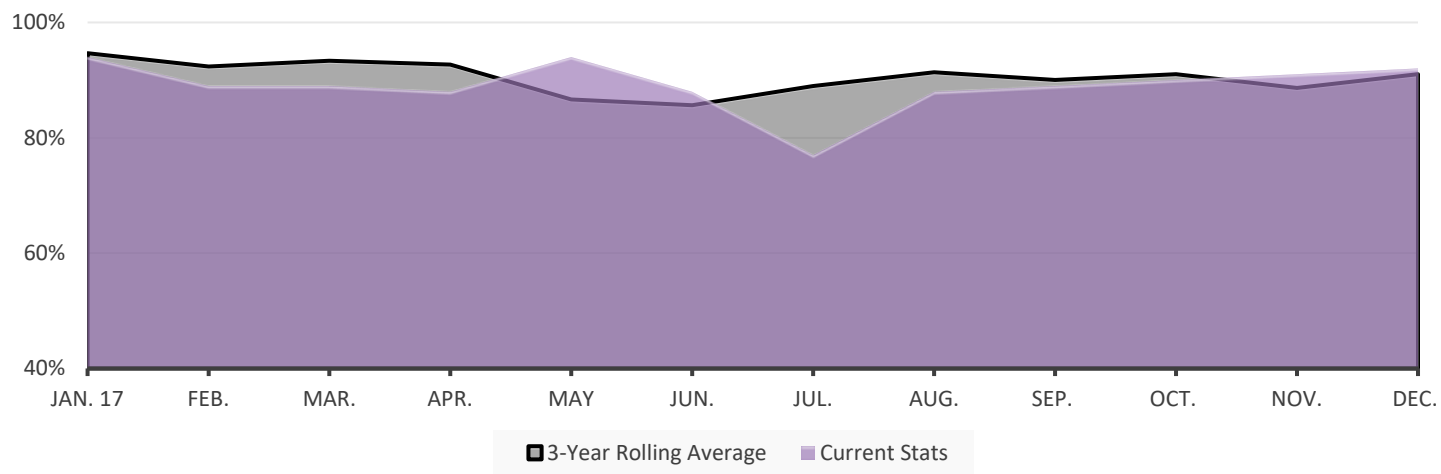
\*Includes those trains that were delayed due to late turns, weather, signal/switch failures and maintenance of way.

## LATE TRAINS

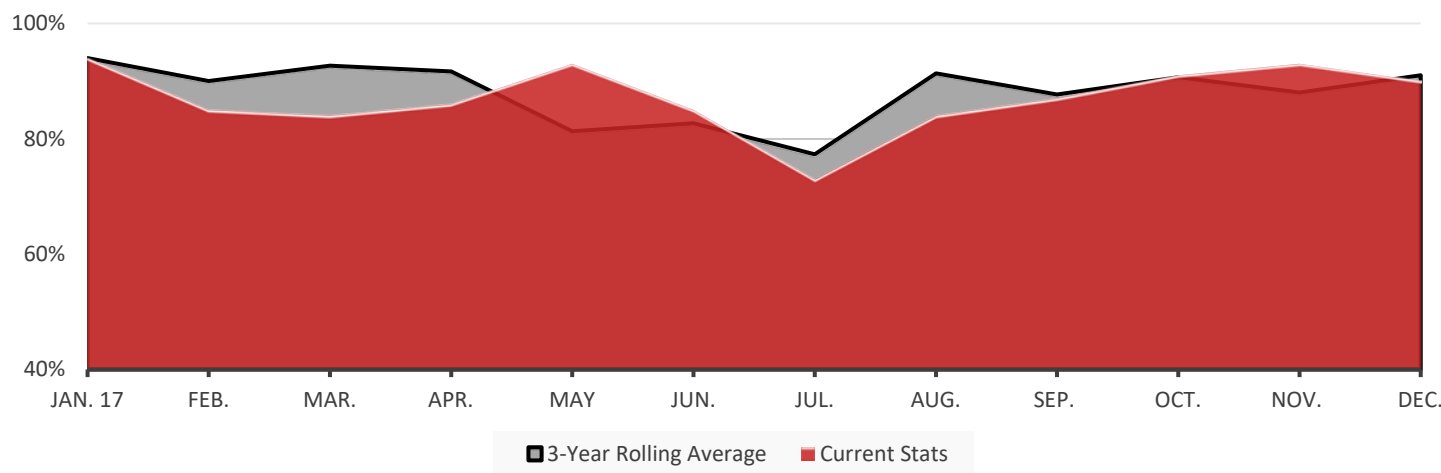
	System Wide			Fredericksburg Line			Manassas Line		
	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.	Oct.	Nov.	Dec.
Total late trains	64	56	49	29	21	29	35	35	20
Average minutes late	33	21	22	36	21	24	30	21	21
Number over 30 minutes	11	12	8	7	5	4	4	7	4
Heat restriction days / total days	0/21	0/20	0/20						

ON-TIME PERFORMANCE

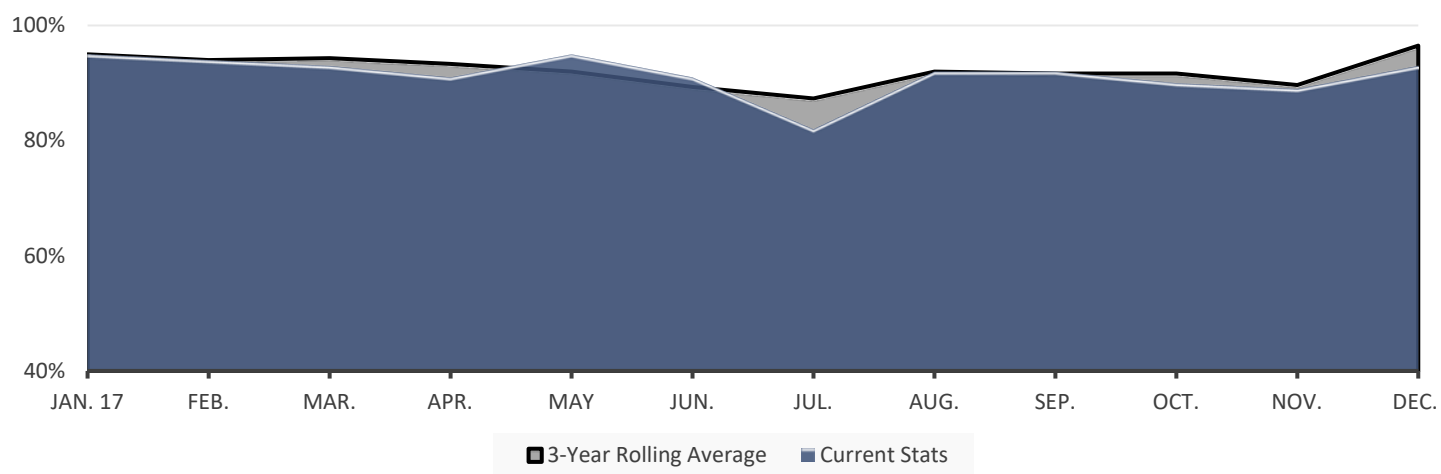
VRE SYSTEM



FREDERICKSBURG LINE

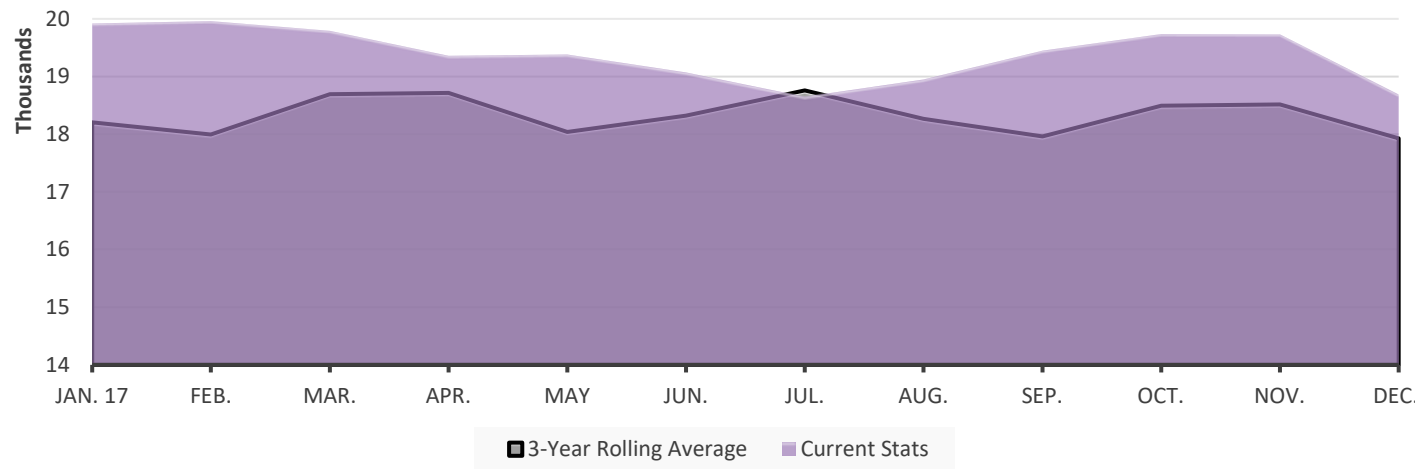


MANASSAS LINE

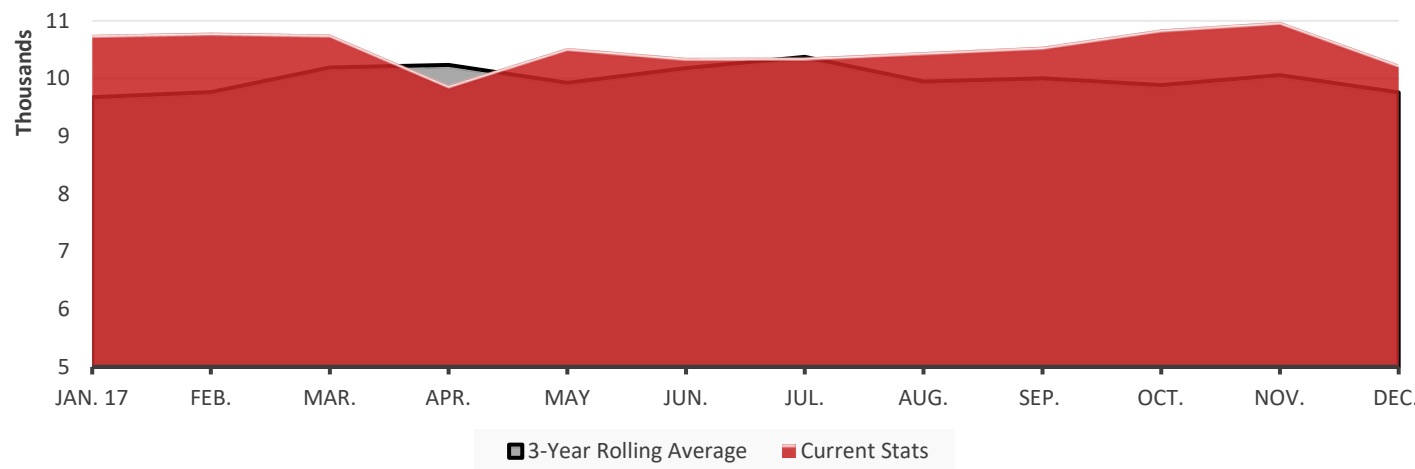


# AVERAGE DAILY RIDERSHIP

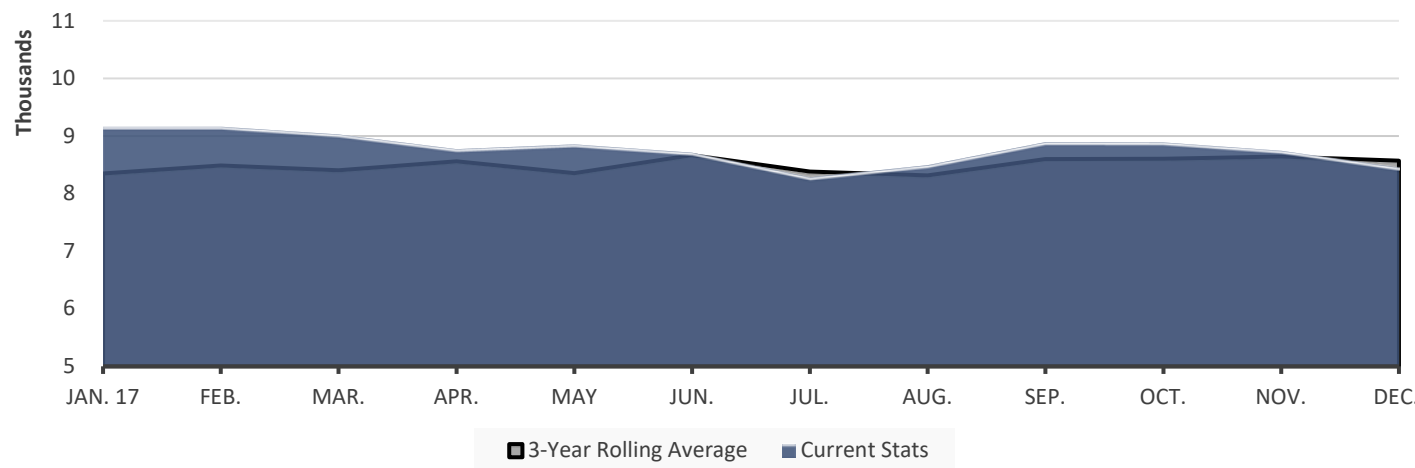
## VRE SYSTEM



## FREDERICKSBURG LINE



## MANASSAS LINE



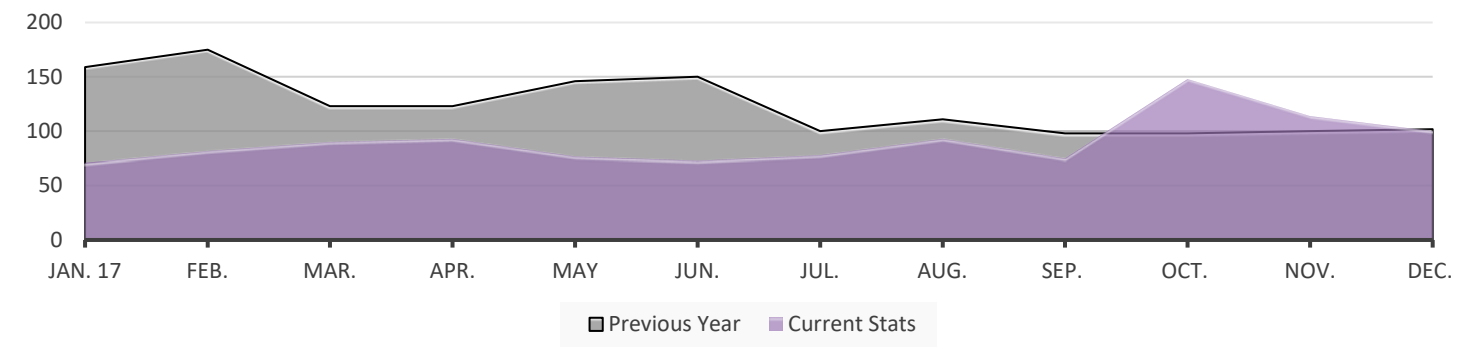
FEBRUARY 2018  
RIDERSHIP UPDATES

Average daily ridership (ADR) in December was approximately 18,700.

	December 2017	November 2017	December 2016
Monthly Ridership	333,071	378,048	348,258
Average Daily Ridership	18,689	18,619	18,864
Full Service Days	16	19	16
"S" Service Days	4	1	5

# SUMMONSES ISSUED

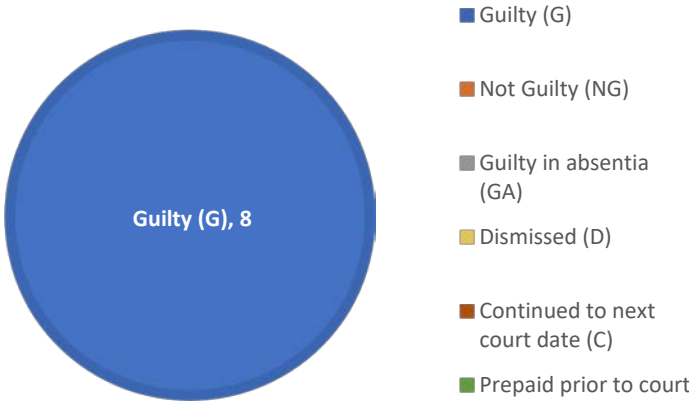
## VRE SYSTEM



## SUMMONSES WAIVED OUTSIDE OF COURT

Reason for Dismissal	Occurrences
Passenger showed proof of a monthly ticket	4
One-time courtesy	5
Per the request of the conductor	1
Defective ticket	0
Per Ops Manager	0
Unique circumstances	0
Insufficient information	0
Lost and found ticket	0
Other	0
<b>Total Waived</b>	<b>10</b>

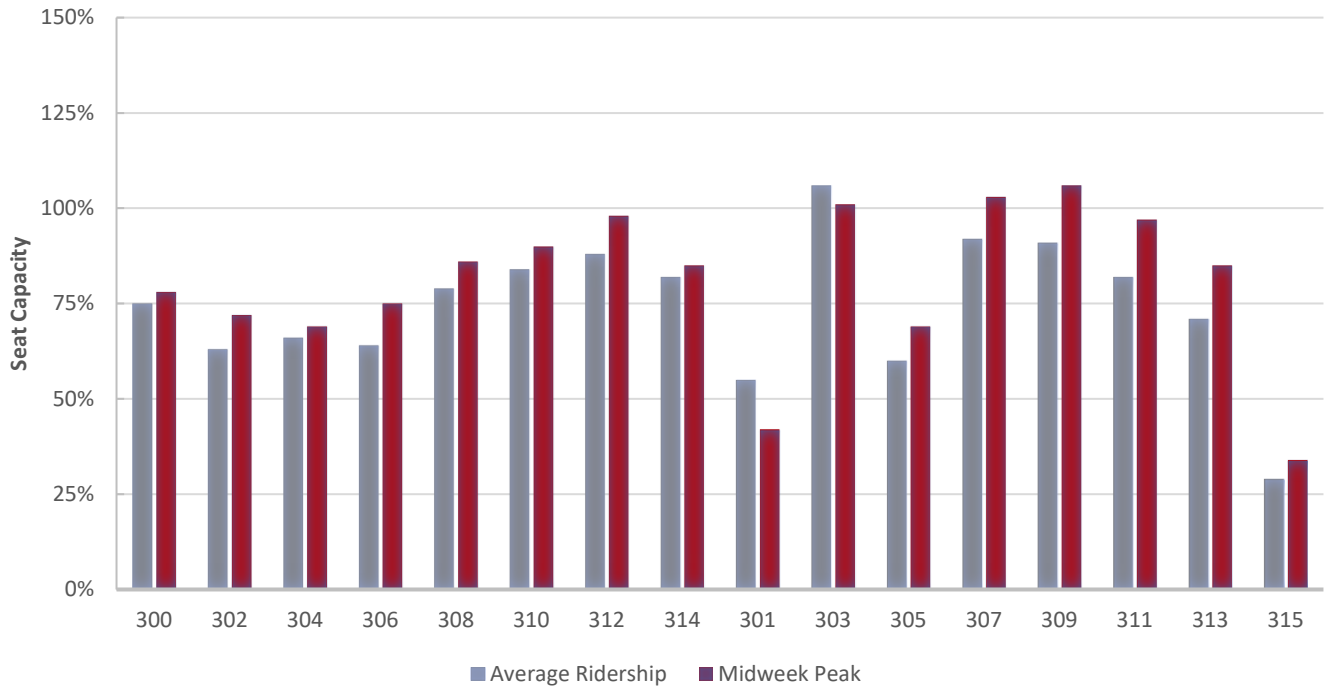
## MONTHLY SUMMONSES COURT ACTION



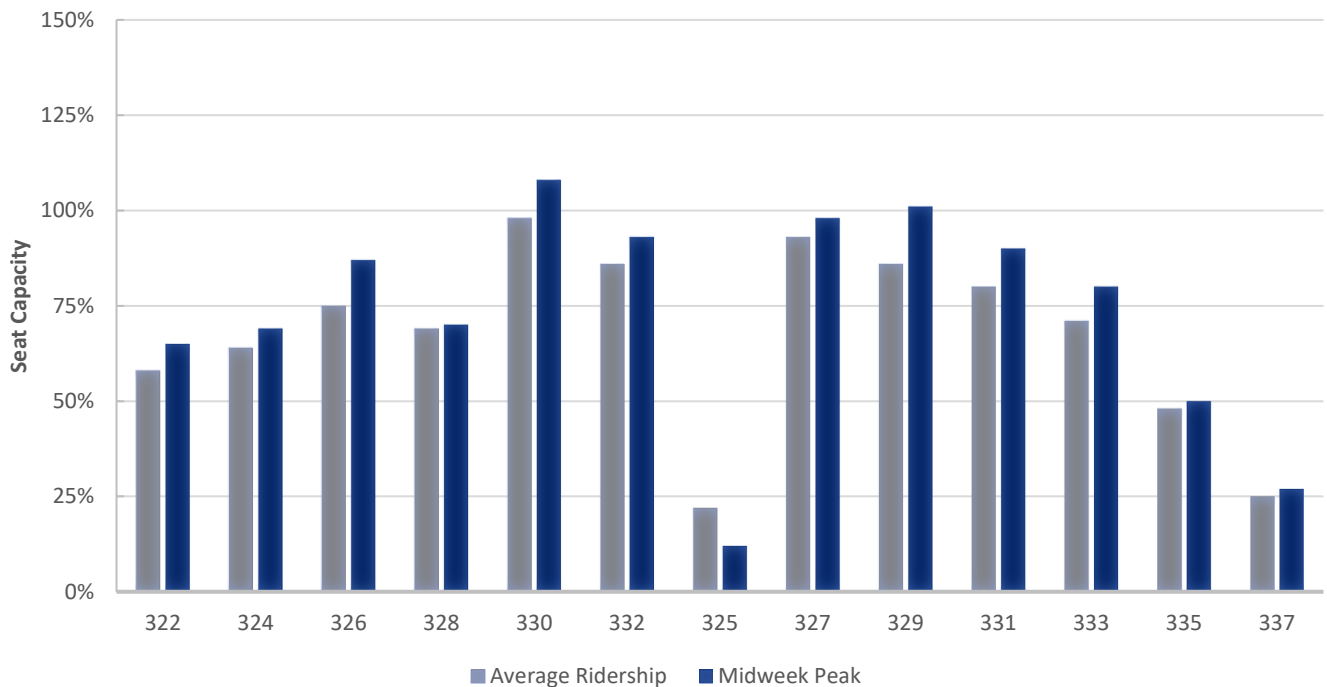


# TRAIN UTILIZATION

## FREDERICKSBURG LINE

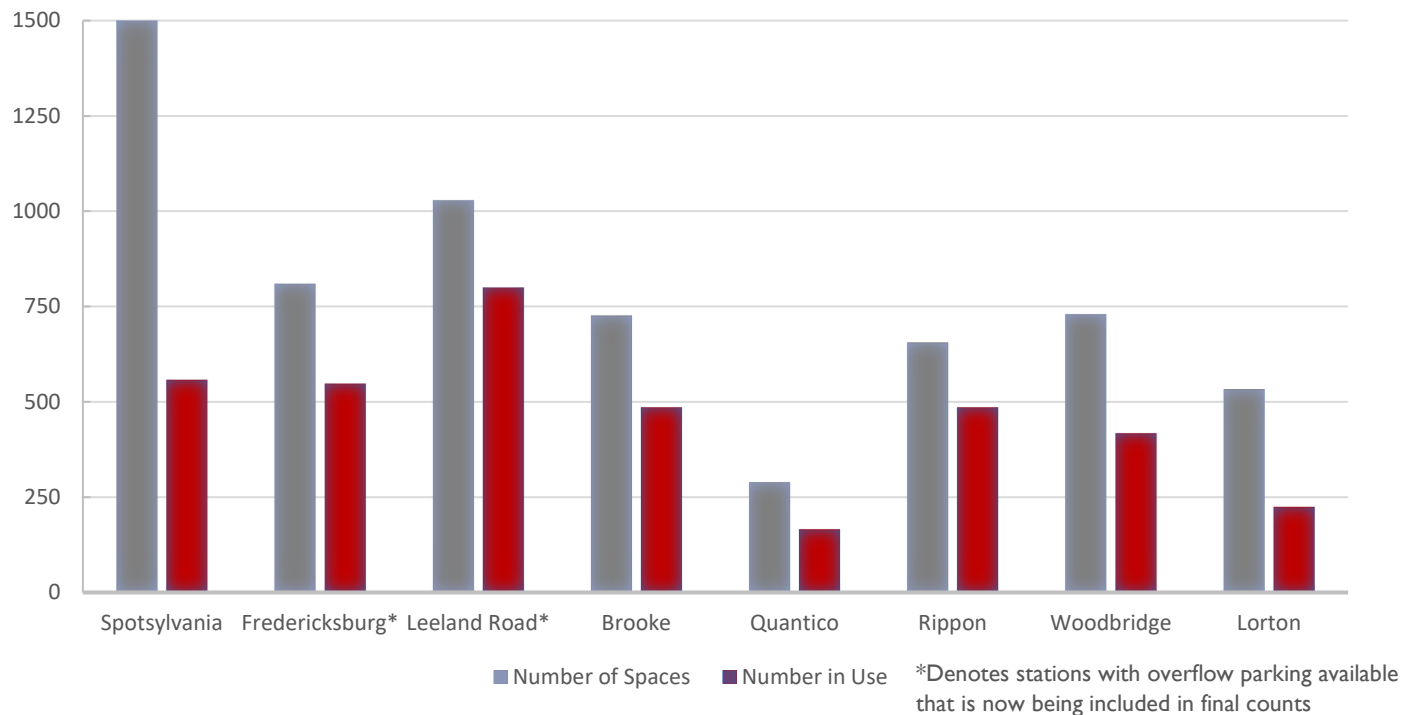


## MANASSAS LINE

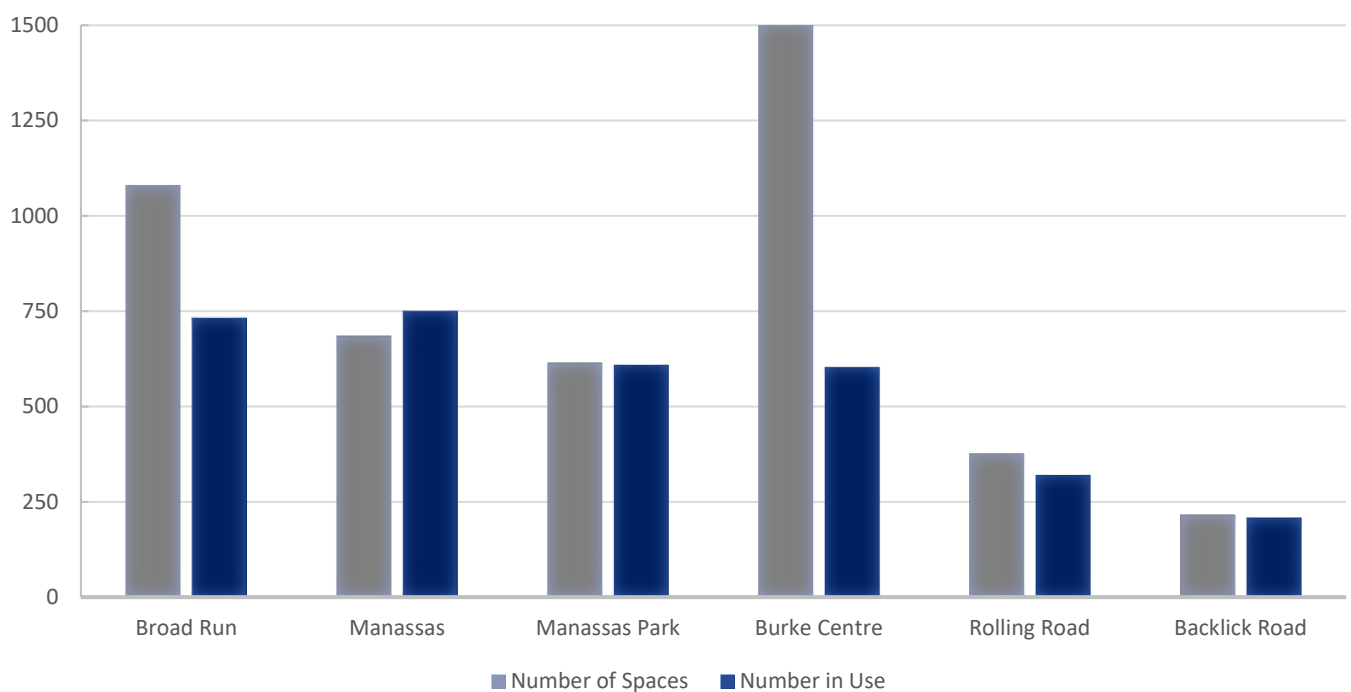


# PARKING UTILIZATION

## FREDERICKSBURG LINE



## MANASSAS LINE



# FINANCIAL REPORT

Fare revenue through the first six months of FY 2018 is \$1.37 million above budget (a favorable variance of 6.9%) and is up 0.4% compared to the same period in FY 2017.

The operating ratio through December is 56%. VRE's budgeted operating ratio for the full twelve months of FY 2018 is 50%.

A summary of the FY 2018 financial results through December follows, including information on the major revenue and expense categories. Please note that these figures are preliminary and unaudited.

FY 2018 Operating Budget Report							
Month Ended December 31, 2017							
	CURR. MO. ACTUAL	CURR. MO. BUDGET	YTD ACTUAL	YTD BUDGET	YTD \$ VARIANCE	YTD % VARIANCE	TOTAL FY18 BUDGET
<b>Operating Revenue</b>							
Passenger Ticket Revenue	3,349,658	3,187,632	21,133,759	19,763,318	1,370,441	6.9%	39,845,400
Other Operating Revenue	45,123	18,000	122,881	111,600	11,281	10.1%	225,000
<b>Subtotal Operating Revenue</b>	<b>3,394,781</b>	<b>3,205,632</b>	<b>21,256,640</b>	<b>19,874,918</b>	<b>1,381,722</b>	<b>7.0%</b>	<b>40,070,400</b>
Jurisdictional Subsidy (1)	-	-	8,798,260	8,798,261	(0)	0.0%	12,874,980
Federal/State/Other Jurisdictional Subsidy	2,535,091	2,511,367	15,449,579	15,544,661	(95,082)	-0.6%	31,005,851
Appropriation from Reserve/Other Income	-	-	-	-	-	0.0%	955,000
Interest Income	60,377	6,000	280,666	37,200	243,466	654.5%	75,000
<b>Total Operating Revenue</b>	<b>5,990,249</b>	<b>5,722,999</b>	<b>45,785,145</b>	<b>44,255,040</b>	<b>1,530,105</b>	<b>3.5%</b>	<b>84,981,231</b>
<b>Operating Expenses</b>							
Departmental Operating Expenses	6,013,841	5,669,539	38,181,931	39,433,041	1,251,110	3.2%	78,230,361
Debt Service	560,209	559,573	3,358,833	3,357,435	(1,398)	0.0%	6,714,870
Other Non-Departmental Expenses	-	-	-	-	-	0.0%	36,000
<b>Total Operating Expenses</b>	<b>6,574,050</b>	<b>6,229,112</b>	<b>41,540,764</b>	<b>42,790,476</b>	<b>1,249,712</b>	<b>2.9%</b>	<b>84,981,231</b>
<b>Net income (loss) from Operations</b>	<b>(583,801)</b>	<b>(506,113)</b>	<b>4,244,381</b>	<b>1,464,564</b>	<b>2,779,818</b>	<b>0.0%</b>	<b>-</b>

<b>Operating Ratio</b>	<b>56%</b>	<b>50%</b>	<b>Goal</b>	<b>50%</b>
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(1) Total jurisdictional subsidy is \$17,250,240. Portion shown is attributed to Operating Fund only.

## FACILITIES UPDATE

The following is a status update of VRE facilities projects:

### Completed projects:

1. Replacement of signage at L'Enfant and Crystal City Stations
2. Modernization of west elevator at Franconia-Springfield Station
3. Repairs to platform concrete at Lorton Station
4. Minor renovations to VRE Fredericksburg office
5. Replacement of building perimeter caulking at Manassas Station parking garage
6. Repairs to gutters and downspouts at Manassas Station and parking garage

### Projects scheduled to be completed this quarter:

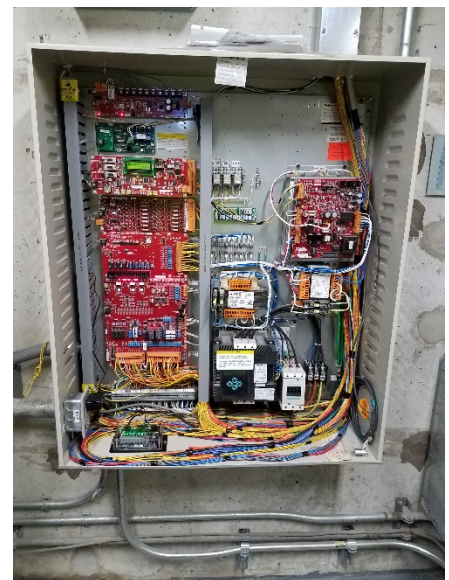
1. Repairs to roof at Woodbridge Station east building
2. Replacement of ADA parking signage at Brooke and Leeland Road Stations
3. Upgrades to electrical power supply for new communication cabinet at Rolling Road and Burke Centre Stations
4. Repairs to platform concrete at Manassas Station
5. Installation of monitoring wells on two outfall drainage pipes at Broad Run Yard to allow for accurate discharge sampling for VPDES General Permit compliance
6. Replacement of aging HVAC units throughout VRE system
7. Repairs to pavement and striping at Franconia-Springfield, Rippon, Quantico and Leeland Road Stations, parking lot G in Fredericksburg and Crossroads and Broad Run yards

### Projects scheduled to be initiated this quarter:

1. Design of platform widening at L'Enfant Station
2. Replacement of signage at Franconia-Springfield and Fredericksburg Stations
3. Installation of pathfinder signs for Spotsylvania Station
4. Replacement of light poles and fixtures at Manassas Station



*VRE Fredericksburg Office Minor Renovations Completed*



*Franconia-Springfield West Elevator Modernized Control Center*



5. Replacement of parking lot signage at Broad Run Station
6. Replacement of tactile warning strips at various stations
7. Replacement of waste and recycling receptacles throughout VRE system

Ongoing projects:

1. Development of specifications for modernization of Woodbridge Station east elevator
2. Development of design of platform concrete rehabilitation and other station improvements at Fredericksburg Station (to be managed by Office of Development)
3. Development of IFB for Canopy Roof Replacement at the Backlick and Rolling Road Stations

# UPCOMING PROCUREMENTS

## Scope of Work Pending:

- Replacement of Tactile Warning Strips at Station Platforms
- Purchase of Passenger Elevators
- Construction of the Lifecycle Overhaul and Upgrade Facility
- Construction Management Services for the Lifecycle Overhaul and Upgrade Facility
- Program Management Services
- Graphic Design Services
- Canopy Roof Replacement at the Backlick and Rolling Road Stations
- Passenger Railcar Truck Overhaul Services
- Modernization of VRE Woodbridge Station East Elevator
- Repair and Overhaul of Passenger Car HVAC Assemblies
- Repair and Overhaul of Passenger Car Wheelchair Lift Assemblies
- Disaster Management Services
- Seat Bottoms for Passenger Cars
- Gallery Car Door Control Switches

# CAPITAL PROJECTS UPDATES

AS OF JANUARY 5, 2018

## Broad Run Expansion Study (formerly Gainesville-Haymarket Expansion Study)

- Reviewed Schematic Design Technical Memo
- Participated in Manassas Airport coordination meeting on December 14th
- Participated in Project Management Team (PMT) meetings on January 3rd

## Station Signage Replacement and Upgrade Program

- Station platform information and safety signs—most dating back to the 1992 opening of VRE—were replaced and upgraded at four VRE stations (Backlick Road, Lorton, Brooke, and Leeland Road)



New station signage information signage at Backlick Road Station.

## Midday Storage Replacement Facility

- Met with District stakeholders on December 12th to provide a status on midday storage and L'Enfant station/track improvements
- Met with project engineering consultant on December 13th to review the draft Statement of Work (SOW) for conducting an appraisal of Conrail's easement for the Union Market track; work anticipated to begin February 1st and expected to be completed by March 15th, 2018
- Received preliminary comments from Federal Transit Administration (FTA) on Categorical Exclusion (CE)
- Survey-only agreement continuing through Amtrak Legal review
- Project agreement review and discussion continuing with Amtrak
- Drafted concurrence memo and sent to Amtrak for legal review
- Final geo-technical report delivered on December 14th
- Project Management Plan (PMP) is being updated to reflect current project status



Reflecting VRE's commitment to safety, the new station sign packages include multiple signs explicitly cautioning passengers to stay safe and off the tracks.

## Rolling Road Platform Extension

- Submitted revised plans based on Norfolk Southern (NS) comments; sent follow up email asking for status and comments
- Dewberry submitted plans to FC for review

## Crossroads Real Estate Acquisition

- Appraisal received last week of December
- Prepare appraisal for transmittal to FTA via PRTC

#### Long Bridge Expansion Study

- Participated in interagency meeting December 12th
- Attended public meeting hosted by District Department of Transportation (DDOT)/Federal Railroad Administration (FRA) on December 14th
- Reviewed and provided comments on Design Environmental Impact Statement (DEIS) impact methodologies
- Draft Memorandum of Agreement (MOA) with FRA comments received and forwarded for Legal review
- Reviewed and provided comments on Environmental Impact Statement (EIS)/Section 106 proposed alternatives presentation dated December 14th

#### Southeast High Speed Rail Corridor (DC2RVA) Coordination

- VRE provided comments to DRPT and FRA regarding draft environmental impact study document
- Participated in bi-weekly project management coordination teleconferences
- Continued to discuss and coordinate alignment, station and service planning issues related to VRE

#### Washington Union Station Project EIS

- Provided comments on 90 percent design drawings
- Participated in public information display system project update

#### Lorton Platform Extension

- Platform extension put into service as of Monday, December 11th

#### Quantico Station Improvements

- 60 percent design for station and 90 percent design for site, civil, drainage, track, and retaining wall in vicinity of station released to stakeholders for review and comment
- DRPT Task Order for STV to be able to complete 60-to-90 percent design was executed
- Utility location and potential conflicts coordinated on site through CSXT
- Project progress meeting as well as meeting at Marine Corps Base Quantico held December 14th

#### Franconia-Springfield Station Improvements

- The 30 percent plan revisions complete pending final emergency egress and Americans with Disabilities Act (ADA) access decisions by VRE, execution of the CSXT design review agreement, and CSXT review and comments
- Continued compiling work breakdown structure inputs for a Microsoft Project template
- Revised Northern Virginia Transportation Authority (NVTA) Appendix B concerning projected cash flows on December 13th
- Updated the NVTA monthly status update report on December 20th

#### Lorton Station Improvements (Second Platform)

- The 30 percent plan revisions are complete pending final emergency egress and ADA access decisions by VRE, execution of the CSXT design review agreement, and CSXT review and comments
- Continued compiling work breakdown structure inputs for a Microsoft Project template



- Revised NVTa Appendix B concerning projected cash flows on December 13th
- Updated the NVTa monthly status update report on December 20th

#### Rippon Station Improvements

- Continued development of 30 percent plans and cost estimate
- Continued compiling work breakdown structure inputs for a Microsoft Project template
- Revised NVTa Appendix B concerning projected cash flows on December 13th
- Updated the NVTa monthly status update report on December 20th

#### Leeland Road Station Improvements

- Continued development of 30 percent plans and cost estimate
- Continued compiling work breakdown structure inputs for a Microsoft Project template

#### Brooke Station Improvements

- Continued development of 30 percent plans and cost estimate
- Continued compiling work breakdown structure inputs for a Microsoft Project template
- Continued developing the cost tool estimate for Option 7 based on GEC phasing plan

#### Alexandria Pedestrian Tunnel Project

- Reviewed, discussed, and revised draft scope of work that Gannett Fleming prepared for study of fourth track, bridges and pedestrian tunnel as a solution to building the pedestrian tunnel
- Returned scope with mark-ups to Gannett Fleming and discussed over the telephone several times
- Provided update to NVTa on project status
- Reviewed cost estimate from Gannett Fleming for study of fourth track, bridges and pedestrian tunnel as a solution to building the pedestrian tunnel
- Authorized Gannett Fleming to begin the study for the fourth track bridges and pedestrian tunnel as a solution to building the pedestrian tunnel
- Contacted the City of Alexandria Transportation and Environmental Services to begin study coordination
- Contacted Virginia Department of Transportation to begin study coordination
- Attended monthly coordination meeting with CSXT held at Crossroads Yard on January 2nd; reviewed study of fourth track, bridges and pedestrian tunnel as a solution to building the pedestrian tunnel
- Held kick-off meeting for study of fourth track, bridges and pedestrian tunnel as a solution to building the pedestrian tunnel at VRE with GF team at VRE

#### Crossroads Lifecycle Overhaul & Upgrade Facility (LOU)

- Reviewed the MS Project schedule with VRE Manager of Project Implementation to reflect current assumptions on December 13th
- Received VRE Operations Board approval for construction management services to be advertised at December 15th meeting
- Contracts requested extension of the bids of the Wheel Truing Machine and Drop Table through March 2018
- Conducted meeting on December 19th about Hazard Analysis and Threat and Vulnerability Analysis

- Coordinating with Potomac and Rappahannock Transportation Commission (PRTC) and Northern Virginia Transportation Commission (NVTC) for the correct identification of the Commissions for the LOU Best Management Practices Facility Agreement form
- Coordinated with STV on the property on the CSXT right-of-way where we will be grading for construction of the access road and Track 0
- Reviewed cross-sections sent by STV
- Attended monthly coordination meeting with CSXT held at Crossroads Yard on January 2nd; discussed the field findings of the slope on CSXT property and disposition of soils onto CSXT property as well as construction easement agreement needs of FTA
- Received specifications for skylight protection to be incorporated into design

#### L'Enfant (North) Storage Track Wayside Power

- Forwarded request for clarification from PRTC for CSXT invoice; received response and forwarded to VRE Accounting to be forwarded to PRTC
- Requested that VRE Manager of Facilities Maintenance place locks on fence at the switchgear building and power pedestal
- Received notification that CSXT Signal Construction team completed the vertical lift derail
- All CSXT work is complete, but the signal system will need to be tested with the derail in service
- Coordinated with CSXT on a manhole near the project requiring addition of ballast
- Designer has inspected project in the field and is preparing as-built plans
- Audited contract to confirm last payment request is correct



*The completed wayside power appliance for locomotives laying over on the newly commissioned L'Enfant North Storage Track undergoes acceptance testing.*

#### L'Enfant (South) Storage Track Wayside Power

- Approved HDR invoice through November 25th
- Requested CSXT status on plan review on December 18th

#### Slaters Lane/Alexandria Track 1 Access

- Provided update to NVTA on project status
- Construction agreement signed by CSXT and passed to VRE Chief Executive Officer for execution

#### Broad Run Station and Yard Expansion

- Requested information from Prince William County about the Bristow Battlefield and Browne's Battery and contacts
- Reviewed December 20th PMT meeting notes and forwarded comments to VRE Manager of Project Development
- Participated in PMT meeting on January 3rd at VRE

#### Manassas Park Station Parking Expansion

- Participated in meeting to meet VHB's new Project Manager, assigned to complete the preliminary engineering and NEPA phase, on December 13th

- Contacted City of Manassas Park about scheduling a coordination meeting in January 2018 to discuss permits, the Traffic Impact Analysis (TIA) and to follow-up on 30 percent plan comments
- Commented on the Conceptual Subdivision Plan to be submitted to the City of Manassas Park

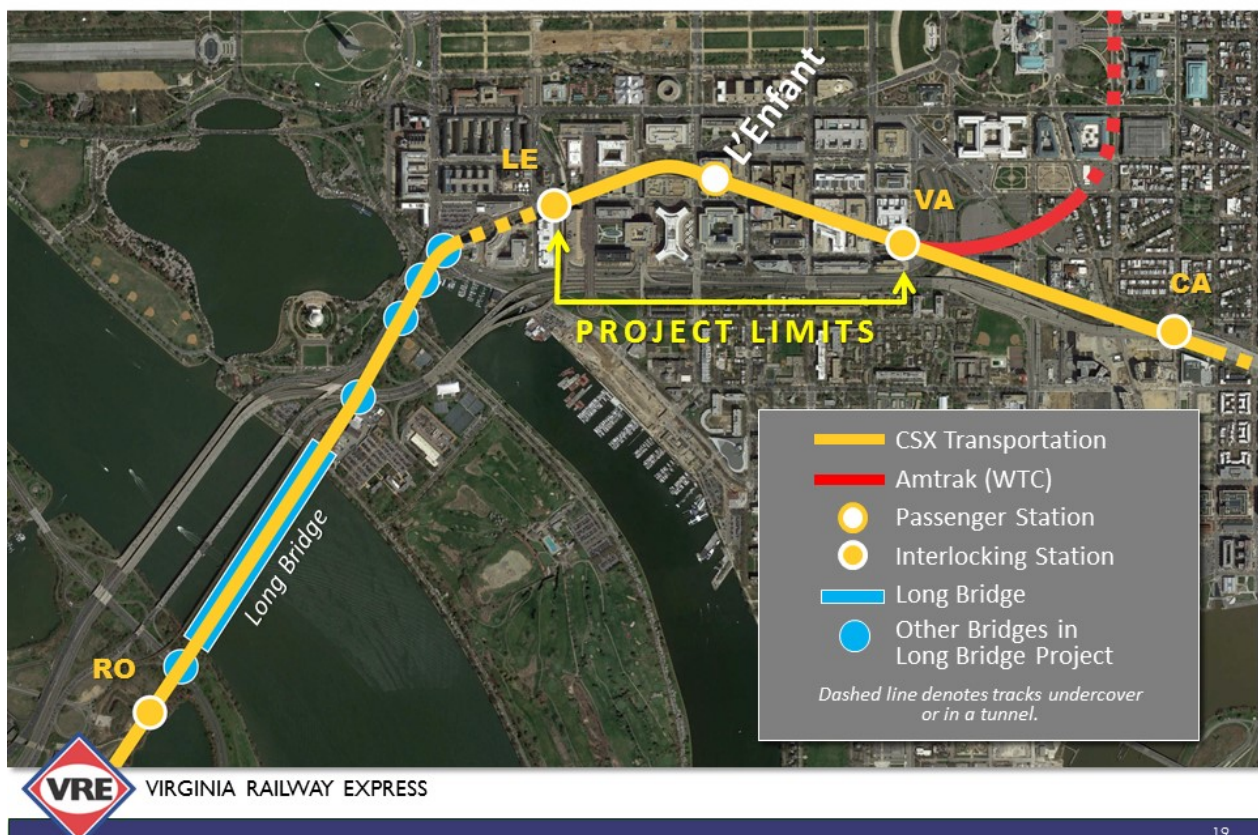
#### Crystal City Station Improvements

- Completed a review of a draft of the environmental documentation (Categorical Exclusion); the consultant is incorporating comments

#### L'Enfant Track and Station Improvement

- Continued to collect data and reach out to stakeholders to help develop the project plan for project development

## L'ENFANT TRACK & STATION IMPROVEMENTS



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*The L'Enfant Track and Station Improvements Project will expand the width and length of VRE's busiest station while providing for a fourth track between L'Enfant (LE) and Virginia (VA) Interlockings. It is closely coordinated with the adjacent Long Bridge Capacity Improvements Project.*

#### Grant Development

- Submitted nine grant applications to the NVT Six Year Program and three grant applications to NVTC's I-66 Commuter Choice Program

#### VRE Transit Development Plan Update

- Kick-off for Transit Development Plan (TDP) Update occurred December 11th

## PROCESS, MILESTONES AND OUTCOMES



*The process, milestones and intended outcomes for the Transit Development Plan Update through November 2018.*



## Projects Progress Report to Follow

## PASSENGER FACILITIES

PROJECT	DESCRIPTION	PHASE					
		CD	PD	EC	RW	FD	CN
Union Station Improvements (Amtrak/VRE Joint Recapitalization Projects)	Station and coach yard improvements of mutual benefit to VRE and Amtrak.	◆	◆	◆	N/A	◆	●
Alexandria Station Improvements	Pedestrian tunnel to METRO and eliminate at-grade track crossing.	◆	◆	◆	N/A	●	
	Modify Slaters Lane Interlocking and East Platform for passenger trains on Track #1.	◆	◆	◆	N/A	●	
	Extend East Platform and elevate West Platform.	◆	◆	◆	N/A	●	
Franconia-Springfield Station Improvements	Extend both platforms and widen East Platform for future third track. <span style="color: red;">◆</span>	◆	●	●	N/A		
Lorton Station Improvements	Extend existing platform.	◆	◆	◆	N/A	◆	◆
	Construct new second platform with pedestrian overpass. <span style="color: red;">◆</span>	◆	●	●	N/A		
Rippon Station Improvements	Extend existing platform, construct new second platform with pedestrian overpass. <span style="color: red;">◆</span>	◆	●	●	N/A		
Potomac Shores Station Improvements	New VRE station in Prince William County provided by private developer.	◆	◆	◆	N/A	■	
Quantico Station Improvements	Extend existing platform, construct new second platform with pedestrian overpass.	◆	◆	◆	N/A	■	
Brooke Station Improvements	Extend existing platform, construct new second platform with pedestrian overpass. <span style="color: red;">◆</span>	◆	●	●	N/A		
Leeland Road Station Improvements	Extend existing platform, construct new second platform with pedestrian overpass. <span style="color: red;">◆</span>	◆	●	●	N/A		
Manassas Park Parking Expansion	Parking garage to increase parking capacity to 1,100 spaces.	◆	●	●	N/A		
Rolling Road Station Improvements	Extend existing platform.	◆	◆	◆	N/A	●	
Crystal City Station Improvements	Replace existing side platform with new, longer island platform.	◆	●	●	N/A		
Broad Run Station Improvements	Parking garage to increase parking capacity by 900 spaces.	◆	◆	■	N/A		

















PHASE: CD - Conceptual Design PD - Preliminary Design EC - Environment Clearance RW - Right of Way Acquisition FD - Final Design CN - Construction

STATUS: ◆ Completed ● Underway ■ On Hold ◆ part of the "Penta-Platform" program

<sup>1</sup>Total project cost estimate in adopted FY2018 CIP Budget

<sup>2</sup> Does not include minor (< \$50,000) operating expenditures

\* \$2,181,630 authorization divided across five "Penta-Platform" program stations

Total <sup>1</sup>	ESTIMATED COSTS (\$)				COMPLETION			STATUS
	Funded	Unfunded	Authorized	Expended <sup>2</sup>	Percent	Date		
3,201,176	3,201,176	-	1,172,309	602,542	84%	4th QTR 2017		Work resumed in April, 2016, and is anticipated to be completed December 2017.
10,021,865	10,021,865	-	1,814,559	1,534,387	70%	3rd QTR 2020		60% design complete. Investigating alternative construction strategies.
7,000,000	7,000,000	-	467,500	90,749	30%	1st QTR 2018		Construction is anticipated to start as part of CSXT work program.
2,400,000	400,000	2,000,000	-	-	5%	3rd QTR 2020		Design work on East Platform only. West Platform elevation funded.
13,000,000	13,000,000	-	*	290,214	20%	2nd QTR 2020		Preliminary engineering is anticipated to be complete in Winter 2017.
2,500,000	2,500,000	-	1,846,675	1,688,333	95%	4th QTR 2017		Project complete. Platform extension opened December 11, 2017,
16,150,000	16,150,000	-	*	269,118	20%	2nd QTR 2020		Preliminary engineering is anticipated to be complete in Winter 2017.
16,632,716	16,632,716	-	*	203,864	20%	4th QTR 2021		Preliminary engineering is anticipated to be completed by August 2018.
No costs for VRE. Private developer providing station.					10%	TBD		Design reinitiated following resolution of DRPT/CSXT/FRA track project issues.
9,500,000	9,500,000	574,706	-	-	30%	TBD		Final design up to 90% underway under DRPT management and funding
21,334,506	21,334,506	-	*	185,008	20%	4th QTR 2021		Preliminary engineering is anticipated to be completed by August 2018.
14,336,156	14,336,156	-	*	153,015	20%	4th QTR 2021		Preliminary engineering is anticipated to be completed by August 2018.
19,600,000	2,500,000	17,100,000	665,785	540,006	25%	2nd QTR 2018		30% design plans received and under review.
2,000,000	2,000,000	-	442,900	215,090	20%	3rd QTR 2020		60% design plans under review by NS.
21,160,000	400,000	20,760,000	278,767	265,743	10%	2nd QTR 2023		Developing more detailed concept design for selected location.
24,420,000	3,420,000	21,000,000	2,031,263	393,120	30%	TBD		Project to be completed as part of Broad Run Expansion Project

## TRACK AND INFRASTRUCTURE

PROJECT	DESCRIPTION	PHASE					
		CD	PD	EC	RW	FD	CN
Hamilton-to-Crossroads Third Track	2¼-miles of new third track with CSXT design and construction of signal and track tie-ins.	◆	◆	◆	N/A	◆	◆

## MAINTENANCE AND STORAGE FACILITIES

L'Enfant North Storage Track and Wayside Power	Conversion of existing siding into a midday train storage track.	◆	◆	◆	N/A	◆	●
L'Enfant South Storage Track and Wayside Power	Conversion of CSXT Temporary Track to VRE Storage Track (1,350 feet) and Associated Signal Work and	◆	◆	◆	N/A	●	●
Lifecycle Overhaul and Upgrade Facility	New LOU facility to be added to the Crossroads MSF.	◆	◆	◆	N/A	◆	■
Crossroads Maintenance and Storage Facility Land Acquisition	Acquisition of 16.5 acres of land, construction of two storage tracks and stormwater retention and new	◆	N/A	N/A	●	N/A	N/A
Midday Storage	New York Avenue Storage Facility: Planning, environmental and preliminary engineering.	◆	●	●	●		

## ROLLING STOCK

Passenger Railcar Procurement	Acquisition of 29 new railcars.	◆	N/A	N/A	N/A	◆	◆
Positive Train Control	Implement Positive Train Control for all VRE locomotives and control cars.	◆	N/A	N/A	N/A	◆	●

## PLANNING, COMMUNICATIONS AND IT

Broad Run Expansion (was Gainesville-Haymarket Extension)	NEPA and PE for expanding commuter rail service capacity in Western Prince William County	◆	●	●	-	-	-
Mobile Ticketing	Implementation of a new mobile ticketing system.	◆	N/A	N/A	N/A	◆	●











PHASE: CD - Conceptual Design PD - Preliminary Design EC - Environment Clearance RW - Right of Way Acquisition FD - Final Design CN - Construction

STATUS: ◆ Completed ● Underway ■ On Hold

<sup>1</sup> Total project cost estimate in adopted FY2018 CIP Budget

<sup>2</sup> Does not include minor (< \$50,000) operating expenditures



Total <sup>1</sup>	ESTIMATED COSTS (\$)			Expended <sup>2</sup>	COMPLETION			STATUS
	Funded	Unfunded	Authorized		Percent	Date		
32,500,000	32,500,000	-	33,285,519	31,299,225	100%	4th QTR 2015		Project complete. Close-out pending.
4,283,618	4,283,618	-	4,207,057	3,238,355	95%	2nd QTR 2017		Power construction 90% complete. Track and signals in service.
3,965,000	3,965,000	-	2,937,323	1,524,304	40%	3rd QTR 2017		Power design under review by CSXT & Pepco. Track and signals in service.
35,196,323	35,196,323	-	3,176,039	2,071,698	60%	TBD		Design 100% complete. On hold pending property acquisition.
2,950,000	2,950,000	-	2,950,000	108,139	75%	TBD		Property appraisal underway, followed by review by FTA.
88,800,000	88,800,000	-	3,171,599	921,370	35%	4th QTR 2018		Progress delayed pending Amtrak approval of site access for survey.
75,264,693	75,264,693	-	69,457,809	36,994,353	95%	4th QTR 2020		All cars received. Completion date reflects end of warranty period.
10,553,000	10,553,000	-	10,294,079	7,472,954	80%	4th QTR 2018		Onboard installations ongoing.
617,791,163	5,885,163	611,906,000	5,483,720	2,905,615	15%	3rd QTR 2022		Focus on capacity improvements on existing Broad Run complex.
3,510,307	3,510,307	-	3,510,627	1,950,757	55%	2nd QTR 2018		Integration with S&B system complete. Mobile now accounts for about 12% of monthly revenue and more than 25% of all tickets sold.



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