

# CEO REPORT

JANUARY 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 | JANUARY 2018

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VIRGINIA RAILWAY EXPRESS  
A better way. A better life.



# SUCCESS AT A GLANCE

Data provided reflects November 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.

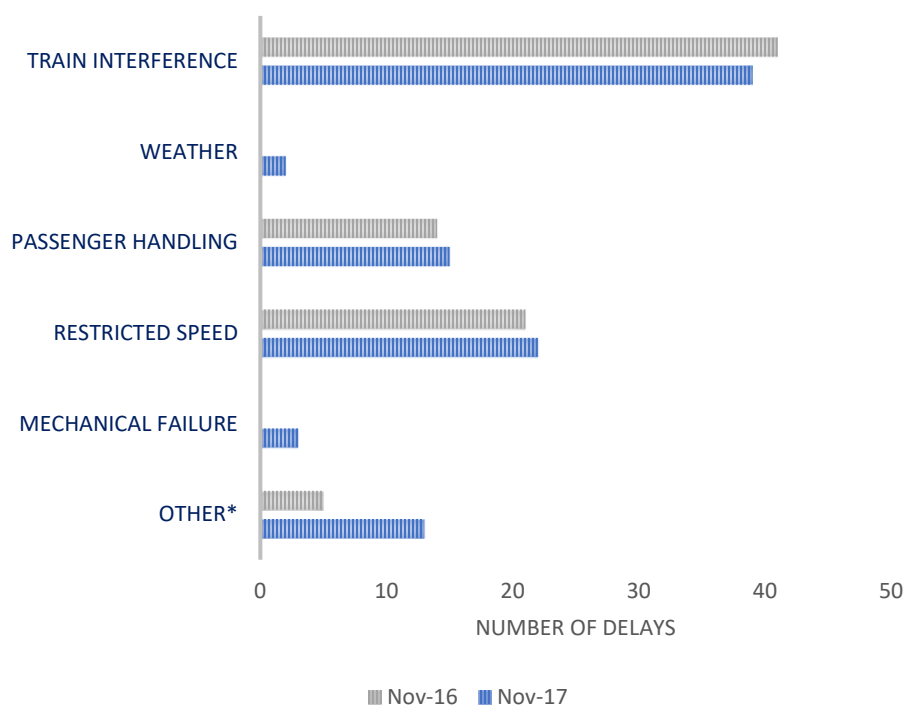


# ON-TIME PERFORMANCE

## OUR RECORD

	November 2017	October 2017	November 2016
Manassas Line	89%	90%	87%
Fredericksburg Line	93%	91%	82%
System Wide	91%	90%	85%

## REASONS FOR DELAYS



VRE operated 624 trains in November.

Our on-time rate for November was 91%.

Fifty-six of the trains arrived more than five minutes late to their final destinations. There were thirty-five late trains on the Manassas Line and twenty-one late trains on the Fredericksburg Line.

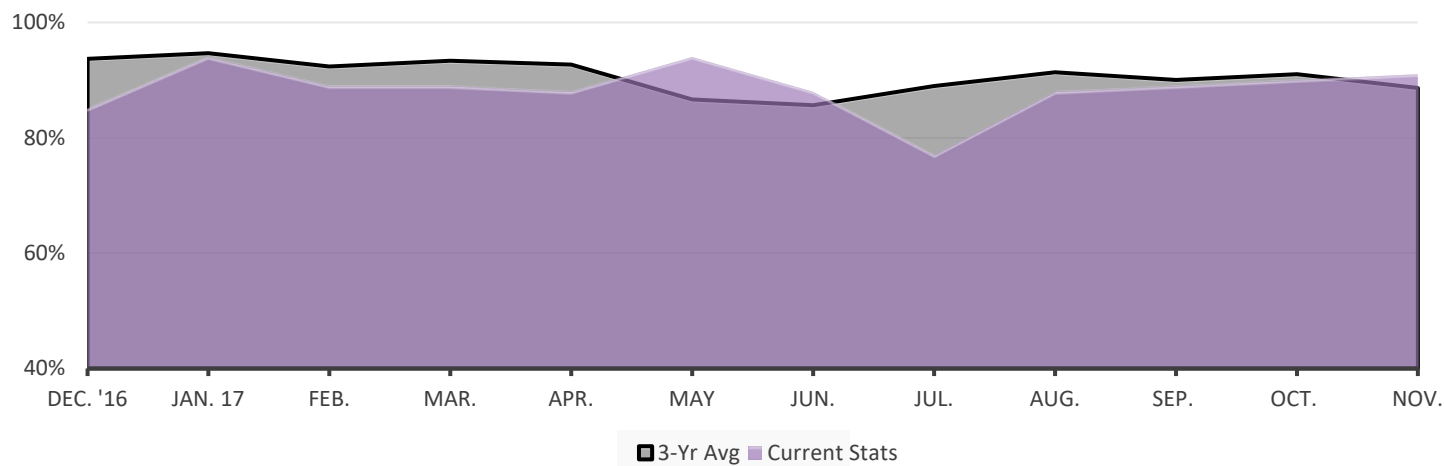
\*Includes those trains that were delayed due to late turns, weather, signal/switch failures and maintenance of way.

## LATE TRAINS

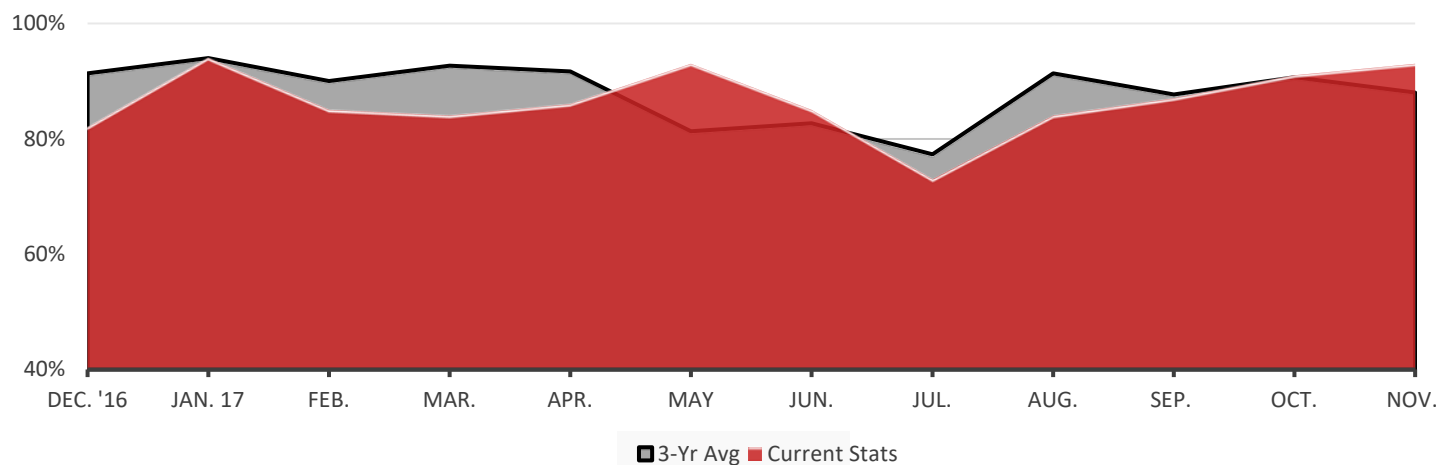
	System Wide			Fredericksburg Line			Manassas Line		
	Sep.	Oct.	Nov.	Sep.	Oct.	Nov.	Sep.	Oct.	Nov.
Total late trains	70	64	56	43	29	21	27	35	35
Average minutes late	15	33	21	16	36	21	14	30	21
Number over 30 minutes	3	11	12	2	7	5	1	4	7
Heat restriction days / total days	1/20	0/21	0/20						

## ON-TIME PERFORMANCE

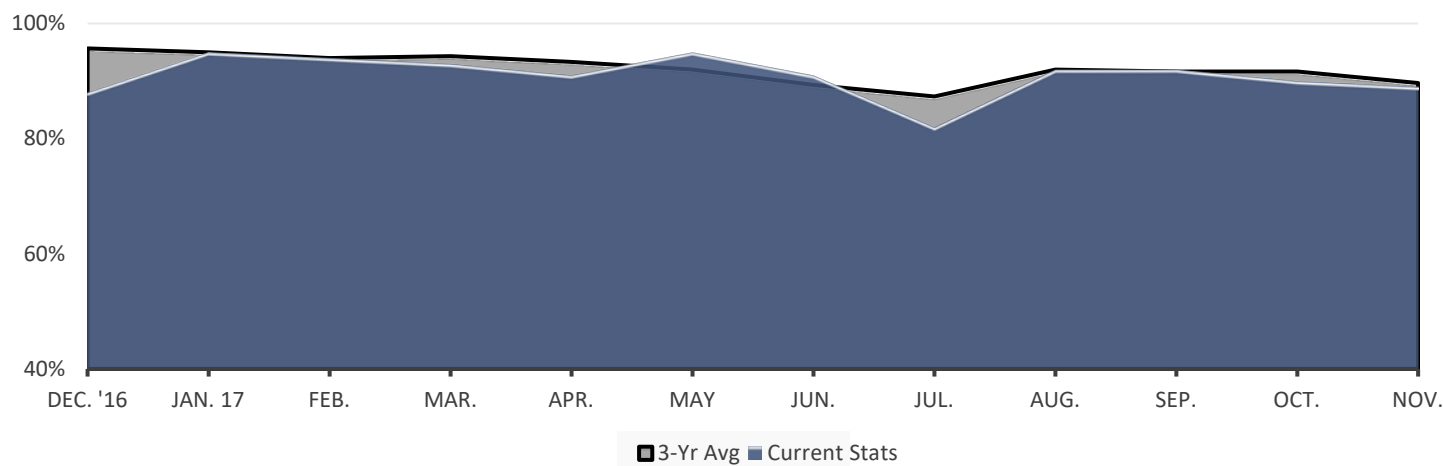
### VRE SYSTEM



### FREDERICKSBURG LINE

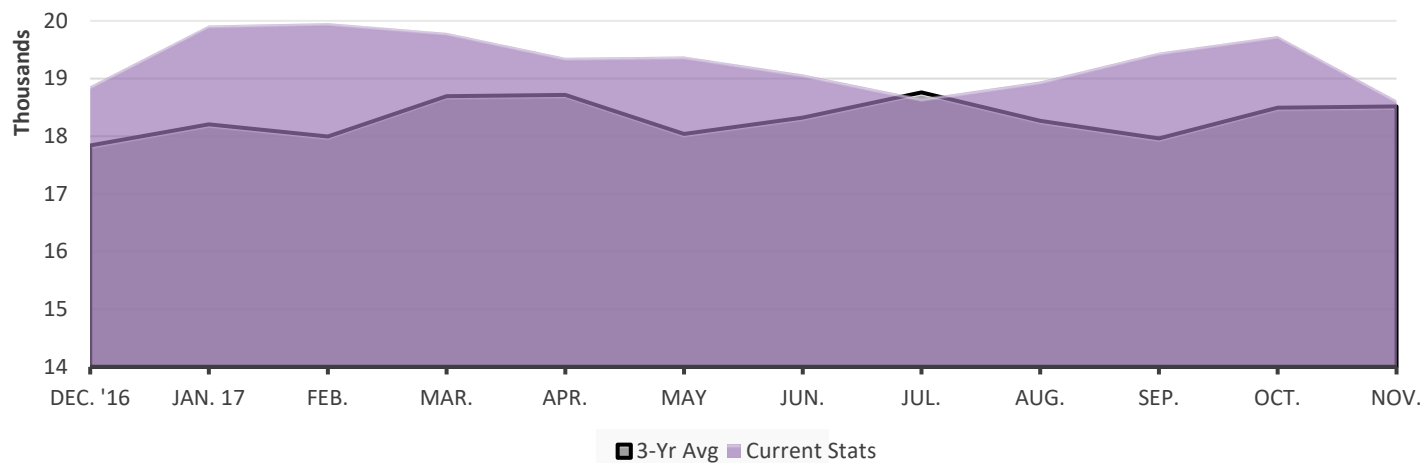


### MANASSAS LINE

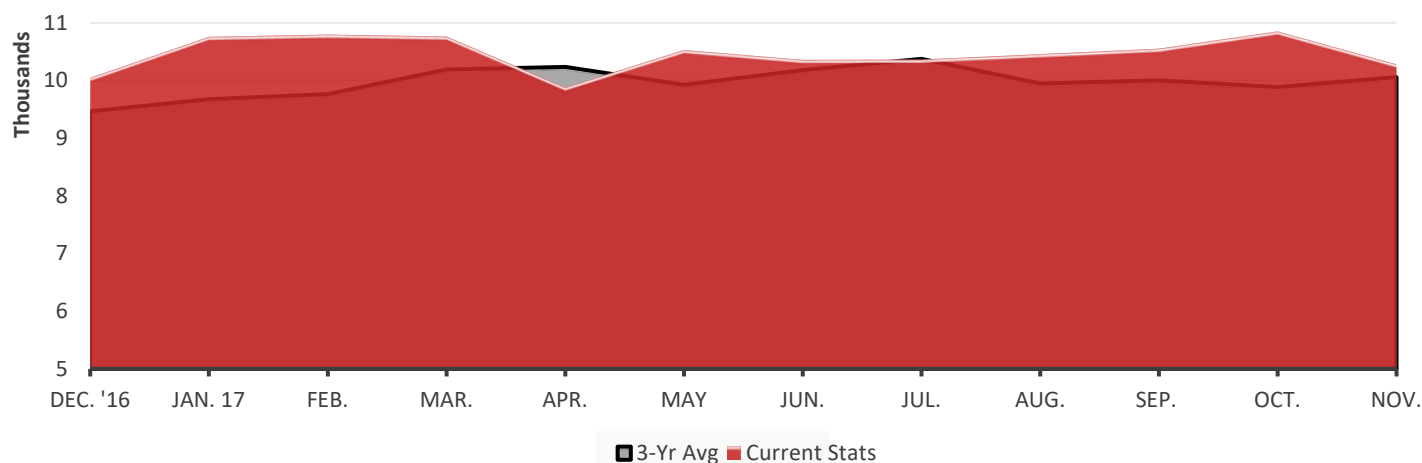


# AVERAGE DAILY RIDERSHIP

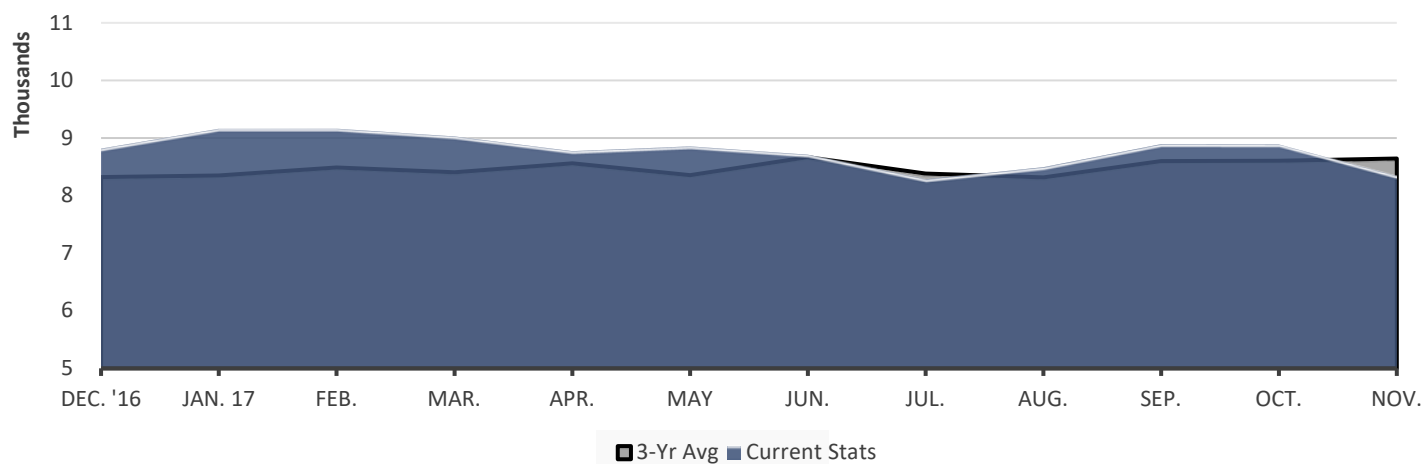
## VRE SYSTEM



## FREDERICKSBURG LINE



## MANASSAS LINE



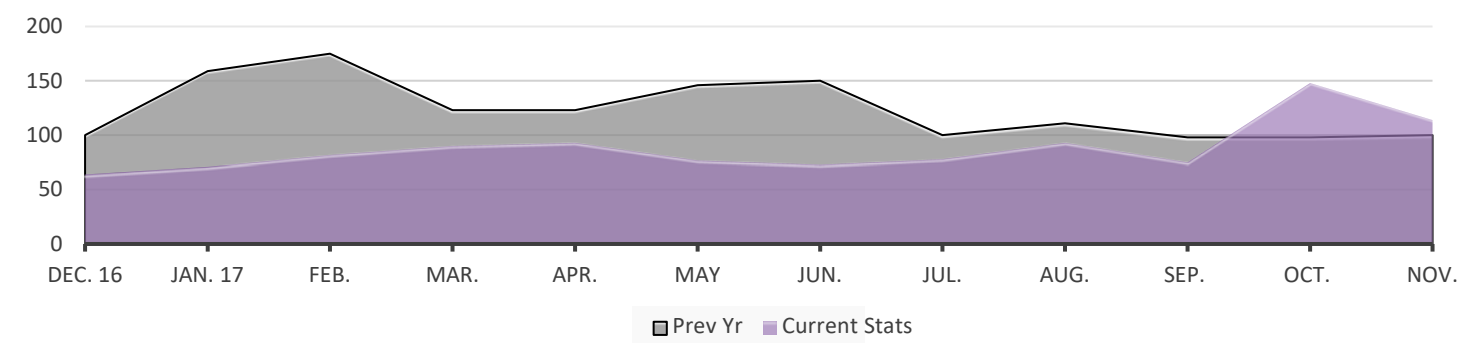
JANUARY 2018  
RIDERSHIP UPDATES

Average daily ridership (ADR) in November was approximately 18,619.

	November 2017	October 2017	November 2016
Monthly Ridership	378,048	414,506	366,191
Average Daily Ridership	18,619	19,738	18,310
Full Service Days	19	21	19
"S" Service Days	1	0	1

# SUMMONSES ISSUED

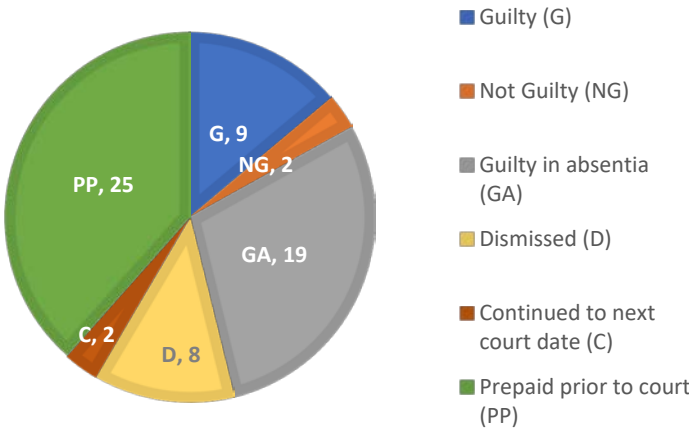
## VRE SYSTEM



## SUMMONSES WAIVED OUTSIDE OF COURT

Reason for Dismissal	Occurrences
Passenger showed proof of a monthly ticket	40
One-time courtesy	14
Per the request of the conductor	3
Defective ticket	0
Per Ops Manager	0
Unique circumstances	0
Insufficient information	3
Lost and found ticket	0
Other	1
<b>Total Waived</b>	<b>61</b>

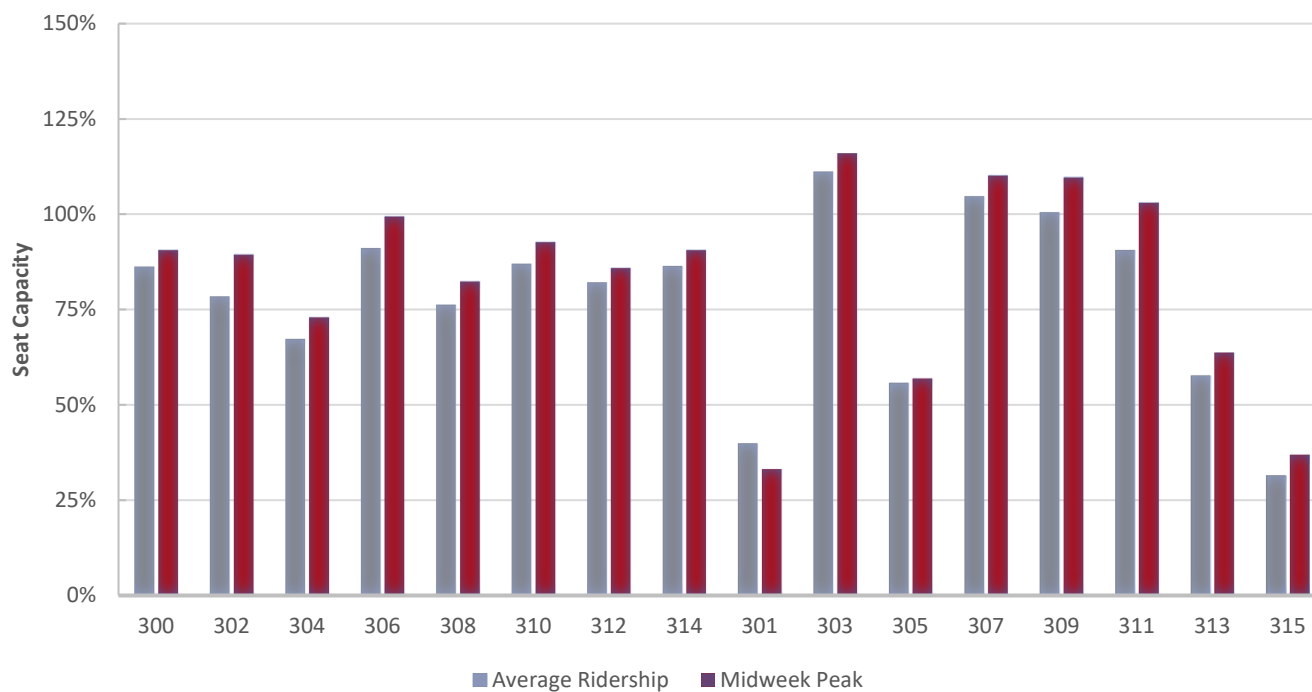
## MONTHLY SUMMONSES COURT ACTION



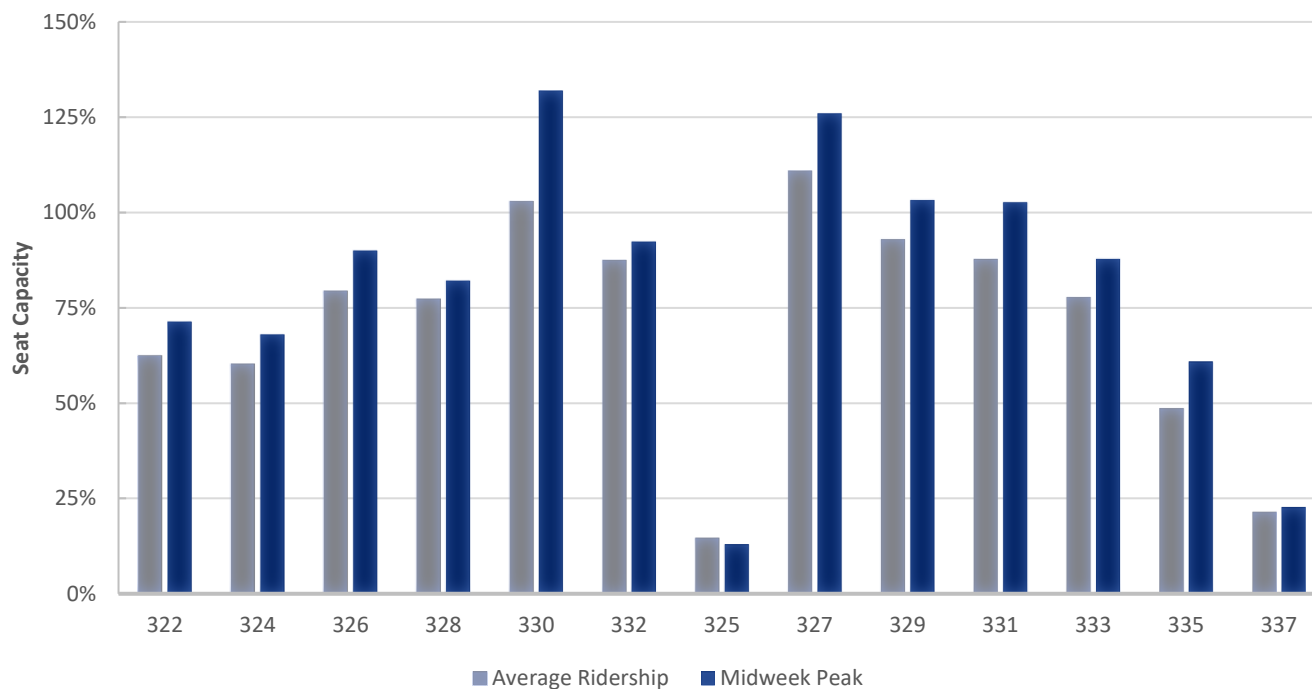


# TRAIN UTILIZATION

## FREDERICKSBURG LINE

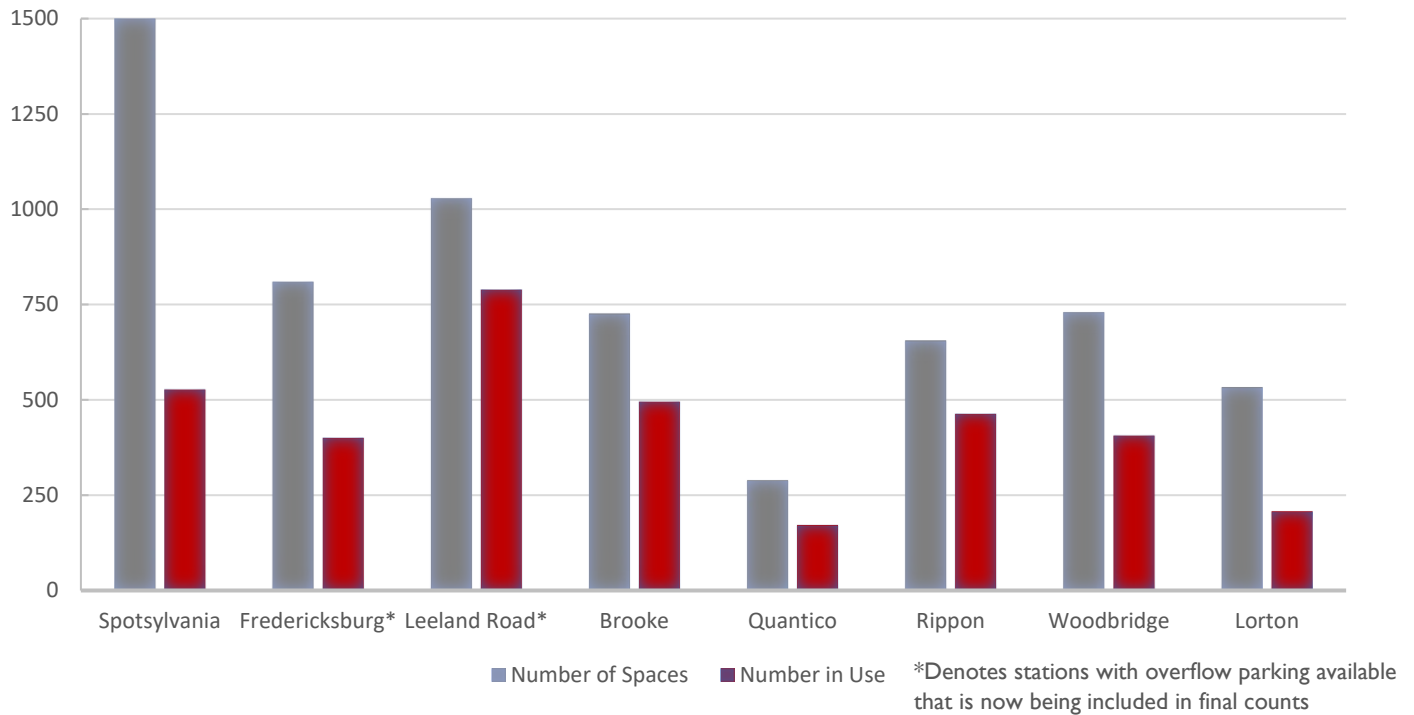


## MANASSAS LINE

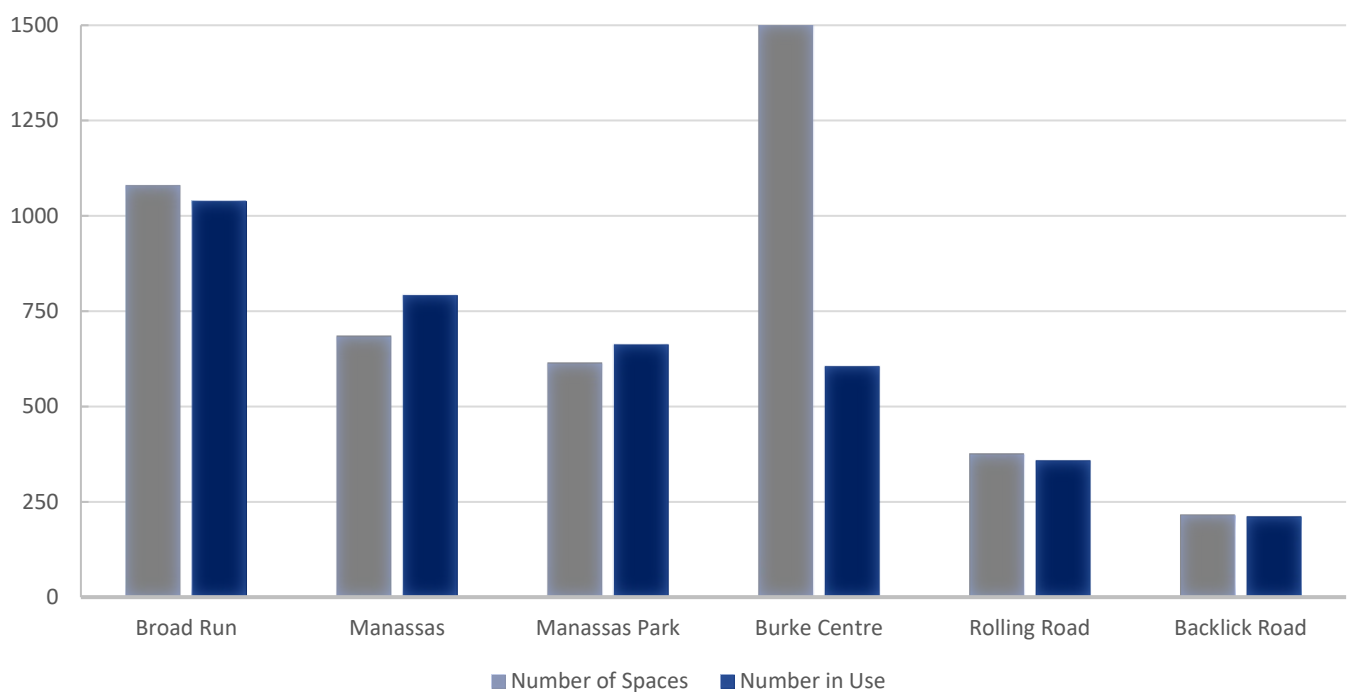


# PARKING UTILIZATION

## FREDERICKSBURG LINE



## MANASSAS LINE



# FINANCIAL REPORT

Fare revenue through the first five months of FY 2018 is \$1,208,415 above budget (a favorable variance of 7.3%) and is up 0.5% compared to the same period in FY 2017.

The operating ratio through November 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 November 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 November 30, 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	3,525,743	3,187,632	17,784,101	16,575,686	1,208,415	7.3%	39,845,400
Other Operating Revenue	3,664	18,000	77,758	93,600	(15,842)	-16.9%	225,000
<b>Subtotal Operating Revenue</b>	<b>3,529,407</b>	<b>3,205,632</b>	<b>17,861,859</b>	<b>16,669,286</b>	<b>1,192,573</b>	<b>7.2%</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	2,598,350	2,570,602	12,914,488	13,033,294	(118,806)	-0.9%	31,005,851
Appropriation from Reserve/Other Income	-	-	-	-	-	0.0%	955,000
Interest Income	46,094	6,000	220,289	31,200	189,089	606.1%	75,000
<b>Total Operating Revenue</b>	<b>6,173,851</b>	<b>5,782,234</b>	<b>39,794,897</b>	<b>38,532,041</b>	<b>1,262,856</b>	<b>3.3%</b>	<b>84,981,231</b>
<b>Operating Expenses</b>							
Departmental Operating Expenses	5,566,260	5,895,421	32,168,090	33,763,502	1,595,412	4.7%	78,230,361
Debt Service	559,573	559,573	2,798,625	2,797,863	(762)	0.0%	6,714,870
Other Non-Departmental Expenses	-	-	-	-	-	0.0%	36,000
<b>Total Operating Expenses</b>	<b>6,125,833</b>	<b>6,454,994</b>	<b>34,966,715</b>	<b>36,561,365</b>	<b>1,594,650</b>	<b>4.4%</b>	<b>84,981,231</b>
<b>Net income (loss) from Operations</b>	<b>48,018</b>	<b>(672,760)</b>	<b>4,828,182</b>	<b>1,970,676</b>	<b>2,857,506</b>	<b>0.0%</b>	<b>-</b>
<b>Operating Ratio</b>							
			<b>56%</b>	<b>49%</b>		<b>Goal</b>	<b>50%</b>

(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. Upgrades to electrical power supply for new communication cabinet at Fredericksburg Station
2. Replacement of signage at Rippon, Brooke and Backlick Road Stations

### Projects scheduled to be completed this quarter:

1. Replacement of signage at L'Enfant and Crystal City Stations
2. Modernization of west elevator at Franconia-Springfield Station (work completed in December 2017, expected opening in January 2018)
3. Repairs to platform concrete at Lorton Station
4. Repairs to fascia and soffit at Woodbridge Station east building
5. Replacement of ADA parking signage at Brooke and Leeland Road Stations
6. Minor renovations to VRE Fredericksburg office
7. Repairs to platform concrete at Manassas Station
8. Replacement of building perimeter caulking at Manassas Station parking garage
9. Installation of monitoring wells on two outfall drainage pipes at Broad Run Yard to allow for accurate discharge sampling for VPDES General Permit compliance

10. Upgrades to electrical power supply for new communications cabinets at Rolling Road and Burke Centre Stations

### 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
5. Replacement of parking lot signage at Broad Run Station
6. Replacement of tactile warning strips at various stations



New Brooke Station Signage (1)



New Brooke Station Signage (2)



New Brooke Station Signage (3)



7. Replacement of aging HVAC units throughout VRE system
8. 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

# CAPITAL PROJECTS UPDATES

AS OF DECEMBER 8, 2017

## Broad Run Expansion Study (was Gainesville-Haymarket Expansion Study) (BRX/GHX)

- Participated in Project Management Team (PMT) meetings on November 8th and December 6th
- Reviewed BRX ridership forecasts and station parking demand
- Reviewed Basis of Design draft report
- November 27th meeting with Prince William County supervisors
- Reviewed Schematic Design Technical Memo
- Reviewed Ridership Forecast Technical Memo
- Participated in review call with AECOM on November 28th
- Participated in BRX cost estimate discussion on December 4th
- Participated in real estate review on November 30th

## VRE Core Capacity Project Implementation Strategy

- Prepared project description and capacity analysis summary for Federal Transit Administration (FTA) review
- Participated in call with contractor on December 8th to review budget and schedule

## Quadrennial Constrained Long Range Plan (CLRP) Financial Analysis

- Participated in Transportation Planning Board (TPB) Long Range Plan Task Force Meeting on November 15th
- Prepared comments on Long Range Plan Task Force Meeting analysis of ten Initiatives

## Midday Storage Replacement Facility

- Public Involvement Plan updated and sent to FTA
- Sent concurrence memo to Amtrak and it is under legal review
- Project agreement review and discussion continuing
- Geotech borings completed and report reviewed
- Received preliminary comments from FTA on Categorical Exclusion (CE)
- Began review and revision of CE
- Survey-only agreement under Legal review; discussion between legal parties to be scheduled
- Met with District Department of Transportation's (DDOT) Public Space Review Committee on November 28th to provide project update
- Held a meeting with Amtrak Operations and Transportation staff on November 29th to discuss facility layout and access to/from facility
- Sent draft Statement of Work (SOW) for Conrail appraisal to VHB to begin appraisal process

## Rolling Road Platform Extension

- Submitted revised plans based on Norfolk Southern comments; followed-up with a request for updated status and comments
- Dewberry submitted plans to Fairfax County for review

### Crossroads Real Estate Acquisition

- Reviewed updated Phase I Environmental Site Assessment
- Reviewed title report

### Long Bridge Expansion Study

- Participated in Project Management Team meetings on November 15th and December 6th
- The concept of using existing bridge and superstructure to add additional capacity and save time, costs and constructability issues was addressed in final report; DRPT asking that this option be considered a design variation on existing already-screened option
- Draft Memorandum of Agreement (MOA) with Federal Railroad Administration (FRA) comments received and forwarded for Legal review
- Participated in Consulting Parties meeting on November 25th
- Level 2 screening resulted in 2 and 4 track bridge options to be selected for further analysis; this will depend on results of DRPT's feasibility analysis

### Washington Union Station Project EIS

- Provided comments on 90 percent drawings for Union Station improvements
- Participated in Passenger Information Display Systems project update with Amtrak

### Lorton Platform Extension

- Project meetings held November 8th and November 15th
- Passed Final Building Inspection
- Project Completed. Punchlist Items accomplished, and station ready to be put into operation on Monday, December 11th

### Arkendale to Powell's Creek Third Track Project

- CSXT contractor KCC has finished Bauer Road Bridge and has demobilized off of the project

### Quantico Station

- 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 agreement executed with contractor to complete 90 percent design
- Utility location and potential conflicts coordinated on site through CSXT
- Progress meeting/calls scheduled every 2 weeks began September 14th

### Potomac Shores Station

- Design of station concept reinitiated after waiting on Arkendale to Powells Creek agreements to be finalized



*Installation of new railings the extended platform at Lorton.*



*New canopy and painted railings on the platform extension at Lorton.*



*Finishing up electrical connections and improvements to the existing headhouse at Lorton*



- Received and reviewing contractor's responses to previous comments; responses will be addresses with new sets of comments on 100 percent plans
- Contract Amendment 2 revised scope/description of work received from CSX to incorporate into Contract Amendment 2. VRE and Potomac Shores reviewed week ending November 3rd

#### Franconia-Springfield Station Improvements

- Received comments back from CSXT regarding the Design Review Agreement
- Participated in an internal meeting to review the DRPT Program Management schedule
- Participated in the CSXT monthly Coordination Meeting/Call on November 7<sup>th</sup>
- Began compiling work breakdown structure inputs for a Microsoft Project template
- Participated in the DC2RVA bi-weekly Coordination Meetings/Calls on November 14<sup>th</sup> and November 28<sup>th</sup>
- Provided the DC2RVA team with conceptual layouts as requested
- Participated in a Station Hazard Analysis Discussion Meeting on November 21<sup>st</sup>
- The General Engineering Consultant (GEC) 30 percent plan revisions are pending final NFPA and ADA access decisions by VRE, execution of the CSXT design review agreement, and CSXT review and comment
- Provided the monthly project status update to NVTA staff on November 27<sup>th</sup>
- Participated in a budgetary meeting with Procurement on November 29<sup>th</sup>
- Updated the 2017 December Capital Planning and Coordination Spreadsheet
- Corresponded with VRE legal regarding status of DRPT REF Grant Agreement

#### Lorton Station Improvements (Second Platform)

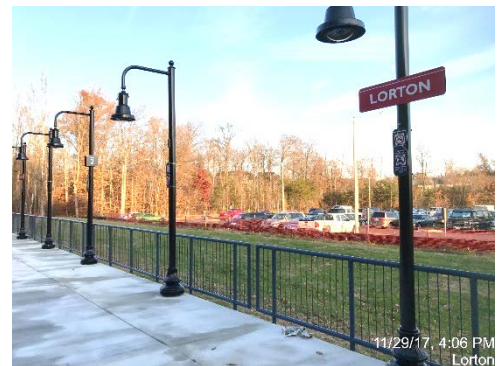
- Received comments back from CSXT regarding the Design Review Agreement
- Coordinated with the Lorton extension project on a CMAQ grant extension request
- Participated in an internal meeting to review the DRPT Program Management schedule
- Participated in the CSXT monthly Coordination Meeting/Call on November 7<sup>th</sup>



New signage on the existing canopy at Lorton.



Revised signage at the existing entrance at Lorton.



New railings, lighting, and signs on the extended platform at Lorton.



Trash and recycling can installation on the extended platform at Lorton.

- Began compiling work breakdown structure inputs for a Microsoft Project template
- Participated in the Laurel Hill-VRE Connector Trail meeting on November 15th
- Participated in a Station Hazard Analysis Discussion Meeting on November 21st
- The GEC 30 percent plan revisions are pending final NFPA and ADA access decisions by VRE, execution of the CSX design review agreement, and CSX review and comment
- Provided the monthly project status update to NVTA staff on November 27th
- Participated in DC2RVA bi-weekly Coordination Meetings/Calls on November 14th and November 28th
- Provided the DC2RVA team with conceptual layouts as requested
- Participated in a budgetary meeting with Procurement on November 29th
- Updated the 2017 December Capital Planning and Coordination Spreadsheet
- Corresponded with VRE legal regarding status of DRPT REF Grant Agreement

#### Rippon Station

- Continued development of 30 percent plans and cost estimate
- Participated in an internal meeting to review the DRPT Program Management schedule
- Participated in the CSXT monthly Coordination Meeting/Call on November 7th
- Continued compiling work breakdown structure inputs for a Microsoft Project template
- Participated in the DC2RVA bi-weekly Coordination Meetings/Calls on November 14th and November 28th
- Provided the DC2RVA team with conceptual layouts as requested
- Participated in a Station Hazard Analysis Discussion Meeting on November 21st
- Provided the monthly project status update to NVTA staff on November 27th
- Participated in a budgetary meeting with Procurement on November 29th
- Updated the 2017 December Capital Planning and Coordination Spreadsheet
- Corresponded with VRE legal regarding status of DRPT REF Grant Agreement

#### Leeland Road Station

- Continued development of 30 percent plans and cost estimate
- Participated in an internal meeting to review the DRPT Program Management schedule
- Participated in the CSXT monthly Coordination Meeting/Call on November 7th
- Participated in the DC2RVA bi-weekly Coordination Meetings/Calls on November 14th and November 28th
- Provided the DC2RVA team with conceptual layouts as requested
- Participated in a budgetary meeting with Procurement on November 29th
- Participated in a Station Hazard Analysis Discussion Meeting on November 21st
- Began compiling work breakdown structure inputs for a Microsoft Project template
- Updated the 2017 December Capital Planning and Coordination Spreadsheet
- Corresponded with VRE legal regarding status of DRPT REF Grant Agreement

#### Brooke Station

- Continued development of 30 percent plans and cost estimate
- Participated in an internal meeting to review the DRPT Program Management schedule
- Participated in the CSXT monthly Coordination Meeting/Call on November 7th

- Participated in the DC2RVA bi-weekly Coordination Meetings/Calls on November 14th and November 28th
- Provided the DC2RVA team with conceptual layouts as requested
- Participated in a budgetary meeting with Procurement on November 29th
- Participated in a Station Hazard Analysis Discussion Meeting on November 21st
- Began compiling work breakdown structure inputs for a Microsoft Project template
- Updated the 2017 December Capital Planning and Coordination Spreadsheet
- Corresponded with VRE legal regarding status of DRPT REF Grant Agreement

#### Alexandria Pedestrian Tunnel Project

- Reviewed viability of Segmented Excavation Method tunneling on November 21st with contractors Gannett Fleming and Gall Zeidler
- Instructed Gannett Fleming prepare a scope of work for investigating the options of constructing with the fourth track in place
- Reviewed draft scope of work prepared by Gannett Fleming for study of fourth track as a solution to building the pedestrian tunnel
- Revised the Level Boarding Analysis and Report

#### Crossroads Lifecycle Overhaul & Upgrade Facility

- Completed independent cost estimate (ICE) for the task order for Construction Management (CM) services to include pre-construction services
- Submitted TO VII-31 paperwork to procurement on Nov 9th
- Reviewed draft Board items for the Wheel Truing Machine and Drop Table awards and the Invitation for Bids (IFB) for the LOU Facility construction
- Participated in call on November 20th with VRE and consultants regarding the property acquisition and site permit requirements
- Prepared draft board item for LOU Construction Management services
- Submitted draft planning worksheet, draft scope of work and independent cost estimate to procurement for CM Request for Proposals
- Contacted Kensington Consulting to arrange a kick-off meeting for the Hazard Analysis and Threat and Vulnerability Analysis
- Reviewed and approved invoice from STV through October 27th
- Received estimate of quantity required for grading on CSXT property and reviewed internally
- Directed STV to prepare cross-sections for grading on CSXT property to determine location of placement of spoils

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

- Processed CSXT payment for services through October 11th
- Coordinated with VRE Facilities Manager for lock to be placed on fence at the site
- Submitted request to issue a change order to both C3M and AECOM for extensions to their contracts through January 31st
- Extended C3M contract through January 31st
- Received word that as-built inspection was completed on December 4th with power test

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

- Requested updates from Pepco regarding status of design review

## JANUARY 2018

### Slaters Lane/Alexandria Track 1 Access

- Reviewed and approved Construction Agreement between VRE and CSXT sent by VRE legal

### Manassas Park Station Parking Expansion

- Reviewed GEC Task Area C consultant capabilities for parking garage design and reviewed internally

### Crystal City Station Improvements

- Draft Categorical Exclusion environmental documentation submitted for VRE review



## 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. ◆	◆	●	●	N/A		
Lorton Station Improvements	Extend existing platform.	◆	◆	◆	N/A	◆	◆
	Construct new second platform with pedestrian overpass. ◆	◆	●	●	N/A		
Rippon Station Improvements	Extend existing platform, construct new second platform with pedestrian overpass. ◆	◆	●	●	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. ◆	◆	●	●	N/A		
Leeland Road Station Improvements	Extend existing platform, construct new second platform with pedestrian overpass. ◆	◆	●	●	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

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	◆ Construction complete.
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

Total <sup>1</sup>	ESTIMATED COSTS (\$)				COMPLETION		STATUS
	Funded	Unfunded	Authorized	Expended <sup>2</sup>	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.



## NOTES

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## NOTES

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