## CEO REPORT

MARCH 2018



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 I MARCH 2018

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## PARKING <br> 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 StepUp 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

|  | January 2018 | December 2017 | January 2017 |
| :--- | :---: | :---: | :---: |
| Manassas Line | $90 \%$ | $93 \%$ | $94 \%$ |
| Fredericksburg Line | $90 \%$ | $90 \%$ | $93 \%$ |
| System Wide | $90 \%$ | $92 \%$ | $94 \%$ |

## REASONS FOR DELAYS



VRE operated 672 trains in January.
Our on-time rate for January was $90 \%$.
Thirty-six of the trains arrived more than five minutes late to their final destinations. Thirteen of those late trains were on the Manassas Line and twenty-three of those late trains were on the Fredericksburg Line.

## LATE TRAINS

|  | System Wide |  |  | Fredericksburg Line |  |  |  | Manassas Line |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Nov. | Dec. | Jan. | Nov. | Dec. | Jan. |  |
| Total late trains | 56 | 49 | 36 | 21 | 29 | 23 | 35 | 20 | 13 |  |
| Average minutes late | 21 | 22 | 25 | 21 | 24 | 14 | 21 | 21 | 35 |  |
| Number over 30 minutes | 12 | 8 | 6 | 5 | 4 | 2 | 7 | 4 | 4 |  |
| Heat restriction days $/$ <br> total days | $0 / 20$ | $0 / 20$ | $0 / 21$ |  |  |  |  |  |  |  |

## ON-TIME PERFORMANCE

VRE SYSTEM


FREDERICKSBURG LINE


## MANASSAS LINE



## AVERAGE DAILY RIDERSHIP

## VRE SYSTEM



## FREDERICKSBURG LINE



MANASSAS LINE


## RIDERSHIP UPDATES

Average daily ridership (ADR) in January was approximately 19,000 .

|  | January <br> 2018 | December <br> 2017 | January <br> 2017 |
| :--- | :---: | :---: | :---: |
| Monthly Ridership | 398,785 | 333,071 | 378,511 |
| Average Daily <br> Ridership | 18,990 | 18,689 | 19,922 |
| Full Service Days | 21 | 16 | 19 |
| "S" Service Days | 0 | 4 | 0 |

## SUMMONSES ISSUED

## VRE SYSTEM



## SUMMONSES WAIVED

OUTSIDE OF COURT
Reason for Dismissal

| Passenger showed proof of a <br> monthly ticket | 33 |
| :--- | :---: |
| One-time courtesy | 11 |
| Per the request of the conductor | 4 |
| Defective ticket | 0 |
| Per Ops Manager | 0 |
| Unique circumstances | 0 |
| Insufficient information | 3 |
| Lost and found ticket | 0 |
| Other | 2 |
| Total Waived | 53 |

## TRAIN UTILIZATION

## FREDERICKSBURG LINE



MANASSAS LINE


## PARKING UTILIZATION

FREDERICKSBURG LINE


## MANASSAS LINE



## FINANCIAL REPORT

Fare revenue through the first seven months of FY 2018 is $\$ 1.25$ million above budget (a favorable variance of $5.3 \%$ ) and is up $0.7 \%$ compared to the same period in FY 2017.

The operating ratio through January is $57 \%$. VRE's budgeted operating ratio for the full twelve months of FY 2018 is $50 \%$.

A summary of the FY 2018 financial results through January 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 January 3I, 2018 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CURR. MO. <br> ACTUAL | CURR. MO. BUDGET | YTD ACTUAL | YTD BUDGET | YTD \$ <br> VARIANCE | YTD \% VARIANCE | TOTAL FYI8 BUDGET |
| Operating Revenue |  |  |  |  |  |  |  |
| Passenger Ticket Revenue | 3,593,135 | 3,718,011 | 24,726,894 | 23,481,329 | 1,245,565 | 5.3\% | 40,485,050 |
| Other Operating Revenue | 44,443 | 18,900 | 167,324 | 130,500 | 36,824 | 28.2\% | 225,000 |
| Subtotal Operating Revenue | 3,637,578 | 3,736,911 | 24,894,218 | 23,611,829 | 1,282,389 | 5.4\% | 40,710,050 |
| Jurisdictional Subsidy (1) | 8,451,980 | 8,451,980 | 17,250,240 | 17,250,240 | - | 0.0\% | 12,875, 140 |
| Federal/State/Other Jurisdictional Subsidy | 2,528,160 | 2,508,398 | 17,977,739 | 18,053,059 | $(75,320)$ | -0.4\% | 30,731,253 |
| Appropriation from Reserve/Other Income | - | - | - | - | - | 0.0\% | 955,000 |
| Interest Income | 43,041 | 6,300 | 323,707 | 43,500 | 280,207 | 644.2\% | 75,000 |
| Total Operating Revenue | 14,660,759 | 14,703,588 | 60,445,904 | 58,958,628 | 1,487,276 | 2.5\% | 85,346,443 |
| Operating Expenses |  |  |  |  |  |  |  |
| Departmental Operating Expenses | 5,840,760 | 6,645,834 | 44,022,691 | 46,078,875 | 2,056, 184 | 4.5\% | 78,595,573 |
| Debt Service | 559,586 | 559,573 | 3,918,419 | 3,917,008 | (1,4II) | 0.0\% | 6,714,870 |
| Other Non-Departmental Expenses | - | - | - | - | - | 0.0\% | 36,000 |
| Total Operating Expenses | 6,400,346 | 7,205,406 | 47,941,110 | 49,995,883 | 2,054,773 | 4.1\% | 85,346,443 |


| Net income (loss) from Operations | $8,260,413$ | $7,498,182$ | $12,504,795$ | $8,962,746$ | $3,542,049$ | $0.0 \%$ | - |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| Operating Ratio | $57 \%$ | $51 \%$ | Goal | $50 \%$ |
| :--- | :--- | :--- | :--- | :--- |

(I) 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:

I. Restoration of utility power due to wind storm and implementation of temporary lighting at FranconiaSpringfield, Brooke, Rolling Road and Broad Run Stations and Broad Run Yard
2. Installation of improved LED lighting at Spotsylvania Station waiting room
3. Upgrades to electrical power supply for new communication cabinet at Rolling Road Station
4. Replacement of aging HVAC units throughout VRE system
5. Replacement of broken windscreen glass at Rippon Station

Projects scheduled to be completed this quarter: I. Repairs to fascia and soffit 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 Burke Centre Station
4. Repairs to platform concrete at Manassas Station
5. Replacement of light poles and fixtures at Manassas Station
6. Installation of monitoring wells on two outfall


Temporary Lighting at Franconia-Springfield Station During Utility Power Outage


Rippon Station broken windscreen glass, replaced next day drainage pipes at Broad Run Yard to allow for accurate discharge sampling for VPDES General Permit compliance

Projects scheduled to be initiated this quarter:
I. Design of platform widening at L'Enfant Station
2. Replacement of signage at Franconia-Springfield and Fredericksburg Stations
3. Painting of Franconia-Springfield Station
4. Continuation of painting of Woodbridge Station
5. Replacement of light poles and fixtures at Fredericksburg Station
6. Replacement of parking lot signage at Broad Run Station
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
8. Renovations to Alexandria Headquarters (Suite 20I, office space adjacent to Suite 202, to be leased)
9. Replacement of tactile warning strips at various stations

IO. Replacement of waste and recycling receptacles throughout VRE system

## Ongoing projects:

I. 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
- Seat Bottoms for Passenger Cars
- Gallery Car Door Control Switches
- Automated Electric Motor Parking Brake Systems


## CAPITAL PROJECTS UPDATES

AS OF FEBRUARY 2, 2018

Broad Run Expansion Study (BRX)

- Participated in Project Management Team (PMT) meetings on January 16th and January 31 st
- Participated in Public Outreach meeting on January I8th
- Reviewed BRX project requirements with AECOM
- Participated in BRX environmental workshop on January 24th
- Reviewed schematic design with internally with the operations and mechanical departments
- Briefed Prince William County Transportation, Planning, and Environmental Services departmental staffs on the status of Preliminary Engineering/National Environmental Policy Act (NEPA) for Broad Run Expansion on January 26th
- Participated in meeting between Norfolk Southern (NS) and VRE on January 30th
- Requested information from Prince William County about the Bristow Battlefield and Browne's Battery and contacts
- Contacted Prince William County's Record Center to inquire about a conservation easement near the Broad Run Station
- Received information about Northern Virginia Electric Cooperative (NOVEC) that provides power to Manassas Park Station and forwarded to VHB
- Reviewed January 3rd PMT meeting notes and provided comments to AECOM and VRE Manager of Project Development
- Participated in January 16th PMT meeting
- Participated in meeting with VRE finance regarding assets for future tracking on January 16th
- Participated in phone call update with Continental Field Services, on January 16th regarding information on Early Acquisition (property) regulations for VRE review
- Participated in meeting on January 18th on project public outreach


## Midday Storage Replacement Facility

- Attended Advisory Neighborhood Commissions (ANC) meeting on January 9th to hear District Department of Transportation's (DDOT) presentation on streetcar maintenance and storage location analysis as they relate to New York Yard
- Reviewed Environmental Site Assessment (ESA) for Conrail easement and provided comments to VHB
- Provided Potomac and Rappahannock Transportation Commission (PRTC) with Categorical Exclusion (CE) and attachments to send to Federal Transit Administration (FTA)
- CE was submitted to FTA on January 15th and receipt of all materials was confirmed by FTA on January 16th
- Provided comments on Central Armature development plans to Amtrak
- Received and reviewed Project Management Plan (PMP)
- Project agreement review and discussion continuing
- Completed review of e-mail blast material and update to website
- Amtrak provided comments on February Ist to the on survey-only agreement
- Organized and participated in Conrail appraisal SOW review with contractor on Feb Ist; no issues and work has begun


## Rolling Road Platform Extension

- Received design comments from NS. Project consultant (Dewberry) is addressing and will provide 90 percent submission for VRE review
- Received comments from Fairfax County; Dewberry to coordinate response with Fairfax County
- Edited Task Order (TO) for Construction Management (CM) activities


## Crossroads Real Estate Acquisition

- Submitted appraisal and review appraisal to VRE Legal
- With concurrence from Legal, appraisal and review appraisal were submitted to FTA on January 26th


## Long Bridge Expansion Study

- Drafted response to alternatives to be considered in Draft Environmental Impact Statement (DEIS)
- Provided comments on December 8th PMT meeting notes; asked for clarification on treatment of bike/pedestrian facility
- Draft Memorandum of Agreement (MOA) with Federal Railroad Administration (FRA) comments received and forwarded for VRE Legal review
- Responded to issues raised by DDOT and FRA in email received January 19th
- Briefed VRE Chief Executive Officer on status and key issues on January 24th
- Participated in PMT meeting on January 3Ist


## Southeast High Speed Rail Corridor (DC2RVA) Coordination

- VRE provided comments to Department of Rail and Public Transportation (DRPT) and FRA regarding draft environmental impact study document
- Participated in bi-weekly PMT call on January 23th


## Lorton Platform Extension

- Final Contract Amendments Processed and executed
- Passed Final Building Inspection
- Final Contract Closeout and Final Invoice anticipated end of February/beginning of March


## 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 held at Fredericksburg Office January 25th
- Progress Meeting held at Quantico Station on February Ist
- Met with Marine Corps Base Quantico staff regarding utility locations, coordination with ongoing work at building IO0I, Retaining Wall 13 options, and potential impacts to scope and schedule on February Ist


Retaining Wall I3 location on Marine Corps Base Quantico, looking southward toward Potomac Avenue and Quantico Station

## Franconia-Springfield Station Improvements

- 30 percent plan revisions are pending final emergency egress and American with Disabilities Act (ADA) access decisions as well as design review comments by CSXT engineering and operations staff
- Received fully executed CSXT Design Review and Flagging Agreement on January 8th
- Completed initial draft for VRE website project updates for the Communications group
- Participated in the monthly DC2RVA coordination meeting with DRPT on January 23rd


## Lorton Station Improvements (Second Platform)

- 30 percent plan revisions are pending final emergency egress and ADA access decisions as well as design review comments by CSXT engineering and operations staff
- Received fully executed CSXT Design Review and Flagging Agreement on January 8th
- Completed initial draft for VRE website project updates for the Communications group
- Participated in the monthly DC2RVA coordination meeting with DRPT on January 23rd
- Provided project updates to the CIP Progress Report for the February monthly meeting


## Rippon Station Improvements

- Continued development of 30 percent plans and cost estimate
- Completed initial draft for VRE website project updates for the Communications group
- Participated in the monthly DC2RVA coordination meeting with DRPT on January 23rd


## Leeland Road Station Improvements

- Continued development of 30 percent plans and cost estimate
- Completed initial draft for VRE website project updates for the Communications group
- Participated in the monthly DC2RVA coordination meeting with DRPT on January 23rd


## Brooke Station Improvements

- Continued development of 30 percent plans and cost estimate
- Continued developing the cost tool estimate for Option 7 based on GEC phasing plan
- Completed initial draft for VRE website project updates for the Communications group
- Participated in the monthly DC2RVA coordination meeting with DRPT on January 23rd
- Requested plan revisions and updates from GEC in response to internal meetings


## Alexandria Pedestrian Tunnel Project

- Reviewed meeting notes compiled by Gannet Fleming (GF) for kick-off meeting for study of fourth track, bridges and pedestrian tunnel as a solution to building the pedestrian tunnel with project consultant (Gannett Fleming)
- Participated in a conference call with Gannett Fleming regarding the vertical clearances at the King Street CSXT bridges
- Participated in work session in Gannett Fleming's Baltimore office on January 12th and a conference call with the consultant team on January 19th for analysis of fourth track, bridges and pedestrian tunnel solutions
- Met with City of Alexandria staff on January 19th for a project briefing
- Contacted Virginia Department of Transportation (VDOT) regarding potential changes to the platform in front of the historic station


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

- Responded to AECOM on behalf of Maryland Railroad Commuter Service (MARC) regarding the Wheel Truing Machine which MARC is investigating purchasing
- Coordinated with MARC on January IOth and sent the 100 percent design cost estimate for their use
- Forwarded specifications for skylight protection from Kensington Consulting to STV to be incorporated into design of LOU building
- Provided PRTC/Northern Virginia Transportation Commission (NVTC) information to STV for outstanding permit and Best Management Practices Facility Agreement form
- Reviewed details developed by STV for grading study on west side of project


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

- CSXT has completed acceptance testing


## Slaters Lane/Alexandria Track 1 Access

- Confirmed construction agreement executed by VRE and sent notice to CSXT


## Manassas Park Station Parking Expansion

- Participated in meeting with VHB Team on January 9th to review cost assumptions and estimate work
- Discussed electrical cooperative power with VRE Chief Operating Officer on January 9th
- Participated in meeting with City of Manassas Park and design team on January I8th
- Forwarded spreadsheet of comments and responses to City of Manassas Park
- Invited VHB to submit scope of work for final design for project on January I8th

PROJECTS PROGRESS REPORT
As of February 2, 2018
PASSENGER FACILITIES


| ESTIMATED COSTS (\$) |  |  |  |  | COMPLETION |  | STATUS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total ${ }^{1}$ | Funded | Unfunded | Authorized | Expended ${ }^{2}$ | Percent | Date |  |
| 3,201,176 | 3,201,176 | - | I,172,309 | 602,542 | 84\% | $\begin{gathered} \text { I st QTR } \\ 2018 \end{gathered}$ | Project complete. |
| 10,021,865 | 10,021,865 | - | I,814,559 | 1,534,387 | 70\% | $\begin{gathered} \text { 3rd QTR } \\ 2020 \end{gathered}$ | 60\% design complete. Investgating alternative construction strategies. |
| 7,000,000 | 7,000,000 | - | 467,500 | 90,749 | 30\% | $\begin{gathered} \text { I st QTR } \\ 2018 \end{gathered}$ | Construction is anticipated to start as part of CSXT work program. |
| 2,400,000 | 400,000 | 2,000,000 | - | - | 5\% | $\begin{gathered} \hline \text { 3rd QTR } \\ 2020 \end{gathered}$ | Design work on East Platform only. West Platform elevation funded. |
| 13,000,000 | 13,000,000 | - | * | 290,214 | 20\% | $\begin{gathered} \text { 2nd QTR } \\ 2020 \end{gathered}$ | Preliminary engineering is anticipated to be complete in Ist QTR 2018. |
| 2,500,000 | 2,500,000 | - | I,846,675 | 1,688,333 | 95\% | $\begin{gathered} \text { 4th QTR } \\ 2017 \end{gathered}$ | Project complete. |
| 16,150,000 | 16,150,000 | - | * | 269,118 | 20\% | $\begin{gathered} \text { 2nd QTR } \\ 2020 \end{gathered}$ | Preliminary engineering is anticipated to be complete in Ist QTR 2018. |
| 16,632,716 | 16,632,716 | - | * | 203,864 | 20\% | $\begin{gathered} \text { 4th QTR } \\ 2021 \end{gathered}$ | Preliminary engineering is anticipated to be completed by August 2018. |
| No costs for VRE. |  | Private developer providing station. |  |  | 10\% | TBD | Design resumed after 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\% | $\begin{gathered} \text { 4th QTR } \\ 2021 \end{gathered}$ | Preliminary engineering is anticipated to be completed by August 2018. |
| 14,336,156 | 14,336,156 | - | * | 153,015 | 20\% | $\begin{gathered} \text { 4th QTR } \\ 2021 \end{gathered}$ | Preliminary engineering is anticipated to be completed by August 2018. |
| 19,600,000 | 2,500,000 | 17,100,000 | 665,785 | 540,006 | 25\% | $\begin{gathered} \text { 2nd QTR } \\ 2018 \end{gathered}$ | $30 \%$ design plans received and under review. |
| 2,000,000 | 2,000,000 | - | 442,900 | 215,090 | 20\% | $\begin{gathered} \hline \text { 3rd QTR } \\ 2020 \end{gathered}$ | 60\% design plans under review by NS. |
| 21,160,000 | 400,000 | 20,760,000 | 278,767 | 265,743 | 10\% | $\begin{gathered} \text { 2nd QTR } \\ 2023 \end{gathered}$ | Developing more detailed concept design for selected location. |

## TRACK AND INFRASTRUCTURE

| PROJECT | DESCRIPTION | PHASE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CD | PD | EC | RW | FD | CN |
| Hamilton-to-Crossroads Third Track | 21/4-miles of new third track with CSXT design and construction of signal and track tie-ins. | - | $\checkmark$ | $\checkmark$ | N/A | $\checkmark$ | $\checkmark$ |

## MAINTENANCE AND STORAGE FACILITIES

| L'Enfant North Storage Track and <br> Wayside Power | Conversion of existing siding into a <br> midday train storage track. |
| :--- | :--- |
| L'Enfant South Storage Track and | Conversion of CSXT Temporary <br> Track to VRE Storage Track (I,350 <br> feet) and Associated Signal Work |
| Lifecycle Overhaul and Upgrade Facility | New LOU facility to be added to <br> the Crossroads MSF. |
| Crossroads Maintenance and Storage | Acquisition of I6.5 acres of land, <br> construction of two storage tracks <br> and stormwater retention and new |
| Facility Land Acquisition | New York Avenue Storage Facility: <br> Planning, environmental and |
| Midday Storage | $\mathrm{N} / \mathrm{N} / \mathrm{A}$ |

ROLLING STOCK

| Passenger Railcar Procurement | Acquisition of 29 new railcars. |  | N/A N/A | N/A | - | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Positive Train Control | Implement Positive Train Control for all VRE locomotives and control cars. |  | N/A N/A | N/A |  | $\bullet$ |

## 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

Implementation of a new mobile ticketing system.

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
${ }^{1}$ Total project cost estimate in adopted FY2018 CIP Budget
${ }^{2}$ Does not include minor ( $<\$ 50,000$ ) operating expenditures

ESTIMATED COSTS (\$)
COMPLETION

| Total $^{1}$ | Funded | Unfunded | Authorized | Expended $^{2}$ | Percent | Date | STATUS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $32,500,000$ | $32,500,000$ | - | $33,285,519$ | $31,299,225$ | $100 \%$ | 4 th QTR |  |


| 4,283,618 | 4,283,618 | - | 4,207,057 | 3,238,355 | 95\% | $\begin{gathered} \text { 2nd QTR } \\ 2017 \end{gathered}$ | Power construction 90\% complete. Track and signals in service. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3,965,000 | 3,965,000 | - | 2,937,323 | 1,524,304 | 40\% | $\begin{gathered} \text { 3rd QTR } \\ 2017 \end{gathered}$ | Power design under review by CSXT <br> \& 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, follwed by review by FTA. |
| 88,800,000 | 88,800,000 | - | 3,171,599 | 921,370 | 35\% | $\begin{gathered} \text { 4th QTR } \\ 2018 \end{gathered}$ | 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 <br> 2020 | All cars received. Completion date <br> reflects end of warranty period. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $10,553,000$ | $10,553,000$ | - | $10,294,079$ | $7,472,954$ | $80 \%$ | 4th QTR <br> 2018 | Onboard installations ongoing. |


| $617,791,163$ | $5,885,163$ | $611,906,000$ | $5,483,720$ | $2,905,615$ | $15 \%$ | 3rd QTR <br> 2022 | Focus on capacity improvements on <br> existing Broad Run complex. |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $3,510,307$ | $3,510,307$ | - | $3,510,627$ | $1,950,757$ | $55 \%$ | 2nd QTR |  |  |

VIRGINIA RAILWAY EXPRESS MAGAZINE


MARCH 2018

DC2RVA

Cystal City
Station Update

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## 



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RIDE MAGAZINE| MARCH 2018

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09 |puzzles \& Cartoon

## vRE) JOIN US AT LORTON

On March 8th at 10am, special guests will join VRE at the Lorton station in commemorating the recent platform extension. The project marks the first in a series of platform extensions to enhance operational efficiencies. The Lorton platform extension, as with other capital projects in VRE's six year plan, represents VRE's commitment to rail safety and customer service. This event will be open to the public.


## ADVERTISING IN RIDE MAGAZINE

ADVERTISING REVENUE COVERS PRODUCTION AND PRINTING COSTS.


VRE's 2018 Industry Day

## номтнеСЕО <br> VRE'S END ANNUAL INDUSTRY DAY

We held our second "Industry Day" early last month for the construction community. Now an annual event, these information sessions outline procurement requirements


DOUG ALLEN
Chief Executive Officer and other details for the full spectrum of expansion and maintenance projects in VRE's six-year plan.

The event is a great example of VRE at work, with the ultimate goal of ensuring we receive design and construction bids on our projects from highly experienced firms who can deliver the level of quality our system requires. This year's turnout was much higher than expected and included representatives from around the country. In fact, next year we anticipate the need for a larger venue.

You too are invited to learn about our expansion and maintenance projects by way of RIDE magazine, vre.org, and by speaking to us directly at our platform events. Our Meet the Management platform series begins in May, but look for us sooner at your origin and destination stations with smaller pop up events.

Sincerely,


## DOUG ALLEN

Chief Executive Officer
Virginia Railway Express

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## VRE UPDATE

## RALIROODHISTORY:THEMEADEPYYAMID



Meade Pyramid, Spotsylvania

What stands 23 feet tall, weighs 17 tons, is made entirely of granite stones and is virtually inaccessible? Those who board the VRE from Spotsylvania may recognize this mysterious monument, known as the Meade Pyramid, as a hallmark of the fleeting scenery witnessed from the moving train's window pane. The pyramid is a Civil War memorial that was built in 1898 by the Richmond, Fredericksburg and Potomac Railroad (RF\&P), with help from the Confederate Memorial Literary Society.

On December 13, 1862 Major General George G. Meade's Union division, which consisted of between 3,800 and 4,500 soldiers, sought to penetrate the gap in Lieutenant General Thomas J. "Stonewall" Jackson's lines. However, sheltered by woods beyond the railroad and open field, the Confederate soldiers anticipated the attack of Meade's lone division. General Meade wrote, "Owing to the wood, nothing could be seen of them, while all our movements on the cleared ground were exposed to their view."

Meade's corps made a breakthrough at the southern end of the battlefield but were aggressively hurled back, sustaining 40\% casualties, in part due to lack of reinforcements and a strong Confederate counterattack. He would later write of his loss this day, "While I deeply regret the inability of the division, after having successfully penetrated the enemy's lines, to remain and hold what had been secured, at the same time I deem their withdrawal a matter of necessity. With one brigade commander
killed, another wounded, nearly half their number hors de combat; with regiments separated from brigades, and companies from regiments, and all the confusion and disorder incidental to the advance of an extended line through wood and other obstructions; assailed by a heavy fire, not only of infantry but of artillery-not only in front but on both flanks-the best troops would be justified in withdrawing without loss of honor."

Thirty-five years later, the Confederate Memorial Literary Society contacted Virginia railroad executives asking them to construct markers at historically significant sites along their lines. While the society simply wanted a sign erected, the president of the RF\&P embraced the proposal. On March 31, 1898, RF\&P workers assembled the pyramid using unhewn Virginia granite to memorialize the battle in a location visible to train travelers.

The practically inaccessible location and mysterious nature of the Meade Pyramid serves as a reminder of the many stories which compose Virginia's rich history. As residents of the state, it can be easy to overlook the significance embedded in something as inconsequential as the view from your commute. The next time you find yourself glancing outside of the window, remember that every inch of that view has a story to be told.
> $\ell_{\text {On March 31, 1898, RF\&P workers }}$ assembled the pyramid using unhewn Virginia granite to memorialize the battle in a location visible to train travelers.

## Artistic Expression (Free)

Through April 1, Tuesday - Sunday from 10:00 AM - 5:00 PM

## Manassas Museum, 9101 Prince William Street

This annual show will feature the art of students from Osbourn High School. Various mediums and types of art will be featured in this exhibit.

## Crow's Nest: An Ecological Gem in Stafford County <br> March 8 at 6:00 PM <br> Gari Melchers Home and Studio 224 Washington Street, Falmouth, VA 22405

An illustrated presentation by Mike Lott, Regional Supervisor/ Northern Region Steward. Free admission. Pavilion at Gari Melchers Home and Studio. Contact: Michelle Crow-Dolby at mdolby@umw.edu or 540-654-1851.

## Annual Dog Easter Egg Hunt

March 24 at 1:00 PM

## Memorial Park, 1401 Kenmore Avenue,

Fredericksburg, VA 22401
Come dressed to enter the doggie costume contest to compete for prizes! This is a great way to get out and play with your favorite furry friend. Dogs must be at least 12 weeks old. A small dog area will also be available for dogs under 15lbs. All dog parents must sign a release acknowledging their $\operatorname{dog}(\mathrm{s})$ are current on shots and are healthy. On-site registration will be available only if space remains. For information, call 540-372-1086 or visit www.FredParksRec.com

## Coastal Shore Guided Hike (\$7.50)

March 31 at 11:00 AM through April 1 at 1:15 PM
Leesylvania State Park, 2001 Daniel K. Ludwig Drive, Woodbridge, VA 22172
A 3.5 mile Coastal Shore Guided Hike to learn about the park's history. Have pre-bagged lunches around a bonfire at the Breakwater Store. For only $\$ 7.50$, you will be provided with your choice of sandwich, bag of chips, cookie, and a bottled drink. Please call the Visitor Center to register 24 hours in advance of the event at 703-583-6904.
Learn more: dcr.virginia.gov/state-parks/leesylvania
Harvey (\$19-\$22, plus service fees)
April 21 - May 12 (Wednesday-Saturday 8:00PM, Sunday 3:00PM)
600 Wolfe Street, Alexandria, VA 22314
Imaginary friends can be whoever - or whatever - you want them to be, even a six and half foot tall rabbit. When Elwood starts introducing his imaginary rabbit friend, Harvey, to guests at a party, his sister can no longer tolerate his inebriated antics and worries about her family being exposed to this imaginary rabbit. However, after years of living with Elwood (and Harvey), she begins to start seeing him herself. Tickets: www.thelittletheatre.com / 703-683-0496

## Change your commute, change your life!



Urge your boss to consider Fredericksburg! Visit fredericksburgva.com/considerfxbg to learn how.


## Straightening of curves <br> Construction of additional main line tracks and crossovers



Station and station area improvements


## Improvements to

 sidings and signals

## Safety improvements to

 at-grade roadway crossings

## WHATISTHE DC2RVA PROJECT?

The Federal Rail Administration (FRA) and the Virginia Department of Rail and Public Transportation (DRPT) are working to improve intercity passenger rail service in the north-south corridor between Washington, D.C. and Richmond, VA. These passenger rail service and rail infrastructure improvements are collectively known as the Washington, D.C. to Richmond Southeast High Speed Rail (DC2RVA) Project.

The purpose of the DC2RVA Project is to increase capacity to deliver higher speed passenger rail, expand commuter rail, and accommodate growth of freight rail service in an efficient and reliable multimodal rail corridor. The DC2RVA Project will enable passenger rail to be a competitive transportation choice for intercity travelers between Washington, D.C. and Richmond, and beyond. It extends 123 miles along an existing rail corridor owned by CSX Transportation (CSXT) from the Long Bridge across the Potomac River in Arlington, VA, to Centralia, VA in Chesterfield County, south of Richmond.

## PROPOSEDIMPROVEMENTS OF THEDC2RVA PROJECT INCLUDE:

- Construct additional main line tracks and track crossovers
- Straighten curves in existing tracks to allow for higher speeds
- Improve intercity passenger rail stations and station areas
- Improve sidings and signals
- Implement roadway crossing safety improvements


## THEDC2RVA PROJECTWOULD:

- Improve service frequency, travel time, and on-time performance of intercity passenger trains by adding capacity
- Accommodate freight and commuter rail service
- Include rail infrastructure and safety improvements
- Include passenger service upgrades
- Address rail congestion in the Richmond area

To learn more, visit: dc2rvarail.com


For locomotives to maintain EPA Tier II emissions standards, VRE will replace electronic fuel injector assemblies by the end of this year on its twenty MP36PH-3C locomotives. Replacing the electronic fuel injector assemblies is also part of VRE's lifecyle maintenance strategy to ensure locomotives operate at a high level of reliability throughout their lifecycle.


crystal City is one of the busiest VRE stations served by both the Fredericksburg and Manassas Lines. The station however faces a number of operational challenges including but not limited to passenger bottlenecks on the platforms and train bottlenecks on the tracks. To begin determining how to best overcome the site's challenges and to support future system growth, VRE recently completed an evaluation of three potential Crystal City station relocation sites. After careful consideration of the findings, the Arlington County Board, VRE staff and the VRE Operations Board recognized the starred location in the above image as the most favorable station site, and as such, the site will move forward in the process for further analysis and design.

Site Challenge 1. The existing Crystal City platform, at 400 feet, is too short to effectively serve longer trains as it only allows all train car doors to open on a four-car or less train set. The inability for riders to access all train doors creates bottlenecks when getting on/off the train, as currently VRE runs several eight-car train sets. Further, as ridership increases in parallel to population growth, VRE plans to run longer trains. Eventually, an 850 -foot platform will be needed for riders to access all doors on future 10 -car trains. At the current station location, there is limited space to expand the platform due to the curvature of the tracks and the narrow railroad access.

Site Challenge 2. The Crystal City station platform has access to only one of three existing rail tracks, requiring VRE trains to always use that track. As these tracks are heavily trafficked by other passenger and freight trains and there are only a few locations where trains can switch tracks, all trains on this track must accommodate for the stop at this station. The conceptual design at the starred location incorporates an island platform allowing trains to access the station on two tracks. These conceptual plans also accommodate a future fourth track currently under design by the Virginia Department of Rail and Public Transportation's D.C. to Richmond, Va. (DC2RVA) project (page 4).

Site Challenge 3. The current City City station site is not well connected to other forms of public transportation. The relocation of the Crystal City station will make it easier for riders to access a new Metrorail station entrance on Crystal Drive and the Crystal City-Potomac Yard Transitway. It will also be a shorter walk to many office locations.

What's Next? The timeframe and funding for the final design and construction of this project are yet to be determined. To date, funding has been provided by The Northern Virginia Transportation Authority (NVTA) and the Commonwealth of Virginia. VRE expects to announce a public meeting in late spring/early summer.

#  

In order to ensure your safety as passengers on VRE commuter trains in our heavily used rail corridors, the operating officials of Amtrak, CSX, VRE, Keolis and Norfolk Southern periodically conduct "operational tests" on the crews that operate our trains. These teams, on a monthly basis, create unannounced "tests" and "observations" of employee compliance with the Railroad Codes of Operating Rules.

## wHy?

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# WHAT'S BREWING AT THEQUANTICOTRAIN STATION! 

The Town of Quantico has a historic influence dating back to 1654 when it was originally called Potomac. In 1872, the same year the name changed to Quantico, their original train station was built.

This small town, surrounded by the Marine Corps Base, is unquestionably unique. In addition to its historic splendor, this town boasts Ricks Roasters Coffee shop housed in the town's train station served by Amtrak and VRE trains.

The story of Ricks Roasters Coffee began when its owners, Sean and Keely Ricks, had a dream of opening their own business while he was on active duty at the Pentagon and she was a school social worker. They started roasting coffee in their house ... now their dream has grown to its own production facility in south Stafford supplying coffee to over 150 establishments in the midAtlantic region, including the Quantico train station.
"Sean and Keely are great people," said Chris Henry VRE Director of Rail Operations. "They have been through a lot, so it is exciting for us to see their growth and success. We also know our riders are happy to have great coffee available every morning," he added.


From left to right: Keely, Danielle and Robin
Since 2013, Ricks Roasters Coffee Shop has been serving its freshly roasted coffee to commuters at the Quantico station. Monday through Friday, the shop opens at 5 AM to make sure those passengers either arriving or departing on the first VRE train have a freshly brewed cup of coffee to start the day. The shop is open until 10 AM then reopens at 3 PM until 8 PM to serve the evening commuting rush.

Rick Roasters Coffee's dedication to serving riders doesn't end at hot beverages, and the shop believes in supporting the local economy. Tuesday through Thursday, a VRE conductor delivers a batch of freshly baked doughnuts from Fredericksburg's delicious Paul's Bakery for morning passengers to enjoy. Also, in addition to being the shop's manager, Robin Long is an owner in North Stafford Farmers Market and supplies snacks and meal options from local farmers market vendors.

Ricks Roasters offers a variety of coffee flavors. From the most popular blend of Four Horsemen to Bourbon Barrel to the latte of the month - there is a beverage for every taste. Their focus is providing a delicious product that everyone can enjoy.

In addition to the variety of food options, riders can also pick up and purchase VRE tickets at the shop.

Even if your destination is not Quantico, stop by Ricks Roasters Coffee shop. You'll get a taste of history, doughnuts, local fare, and of course, freshly brewed coffee!



## Get Noticed With VRE Advertising

VRE carries 20,000 passengers every workday and 70 percent of passengers have an annual household income of more than $\$ 100,000$ ．

Reach our passengers with advertising opportunities on our platforms，in our trains and through our award－winning RIDE Magazine．
For more information go to www．vre．org／advertising or contact advertising＠vre．org or （703）838－5417．

## PUZZLE SOLUTIONS

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## RAILTIME PUZZLES

ACROSS
1 State-run numbers game
6 Shelter adoptees
10 Toms and bucks
15 Crowd around
18 Suffix for sect
19 Reunion attendee
20 Antsy feeling
21 Make a mockery of
22 Part-time degree program
24 Open to bribery
25 Those in favor
26 Part of some freight trains
27 Full of enthusiasm
29 Take a spill
Act as lookout for, say
Canvas quarters
34 Most lean and muscular
2017 World Series winner
38 Solemn procedures
40 Less significant
41 Viewer's recording medium
43 Goalies' stats
44 Wool source
47 Ration out
8 Slippery s
Slippery swimmers
9 Recoils
50 Bad half of fiction
51 Hair gel, for instance
52 Woodwind holder
53 Extends across
54 Deserve to get
55 Salty septet
7 Divert, as a train
5 One visiting websites North Atlantic catch Saving Private Ryan studio
66 Twosome
67 Cut down to size

69 Sights near the Colosseum
70 Bart's brainy sister
72 Inform against
73 Not to be trusted
74 Most born in August
76 Poker pair
80 Sign of things to come
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82 Tranquil
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94 Last president with a mustache
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105 Smartphone screen array
107 Generic address
110 Instinctive feeling for short
111 Burn superficially
112 Pinocchio goldfish
113 Paid (up)
114 Env. insert
115 Brother of Zeus
116 Keyboarding error
117 Those in favor

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2 Two-toned treat
3 Stadium level
4 Tolerate
5 Typical solitaire diamond size

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14 Stuff served with soup
15 Andy Griffith Show spinoff
16 German autos
17 Under siege
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"Technically, Daylight Saving Time isn't time travel, but, sure, I guess if you see another you, try to avoid him."

# QUANTICO WINDSOR HILL 

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