VRE OPERATIONS BOARD MEETING

January 20, 2023

The meeting will begin at 9 a.m.

Meeting materials are available at vre.org/about/board/board-agenda-minutes/2023/January

PLEDGE OF ALLEGIANCE



ROLL CALL



Walter Alcorn Fairfax County



Sarah Bagley Alexandria



Andrea Bailey Prince William County



Meg Bohmke Stafford County



Katie Cristol Arlington



Margaret Franklin Prince William County



Monica Gary Stafford County



Lori Hayes Spotsylvania County



Matt Kelly Fredericksburg



Ο

Jeanine Lawson Prince William County



James Walkinshaw Fairfax County



Mike McLaughlin Commonwealth of Virginia



Alanna Mensing Manassas Park



Ralph Smith Manassas



Dan Storck Fairfax County

SAFETY MOMENT



APPROVAL OF AGENDA

- I. Pledge of Allegiance
- 2. Roll Call
- 3. Safety Briefing
- 4. Approval of the Agenda
- 5. Approval of Minutes from the December 16, 2022 VRE Operations Board Meeting
- 6. Chair's Comments and Installation of Officers
- 7. New Chair's Comments
- 8. Chief Executive Officer's Report
- 9. VRE Riders' and Public Comment
- 10. Action Items
 - A. Authorization to Issue a GEC VIII Task Order for Crossroads MSF Expansion Phase II Preliminary Engineering and Environmental Review
 - B. Authorization to Issue a GPC Task Order for System Plan 2050 Update Phase II

- 10. Action Items (continued)
 - C. Authorization to Amend the Contracts for the Delivery of Diesel Fuel for VRE Locomotives
 - D. Approval of the 2023 VRE Operations Board Meeting Schedule
 - E. Recommend Authorization to Execute a Funding Agreement with Amtrak
- II. Information Items
 - A. VRE Transit Asset Management Plan 2022 Update
 - B. Spending Authority Report
 - C. Update on Broad Run Expansion Project
- 12. Closed Session
- 13. Operations Board Members' Time

APPROVAL OF MINUTES

Members Present

Walter Alcorn (NVTC) Sarah Bagley (NVTC) Andrea Bailey (PRTC) Meg Bohmke (PRTC) Margaret Franklin (PRTC) Libby Garvey (NVTC) Monica Gary (PRTC) Lori Hayes (PRTC) Lori Hayes (PRTC) Matt Kelly (PRTC) Jeanine Lawson (PRTC) Michael McLaughlin (VPRA) Alanna Mensing (PRTC) Ralph Smith (PRTC) Dan Storck (NVTC) James Walkinshaw (NVTC) **December 16, 2022** Meeting with YouTube Livestream

Jurisdiction

Fairfax County City of Alexandria Prince William County Stafford County Prince William County Arlington County Stafford County Stafford County Spotsylvania County City of Fredericksburg Prince William County Commonwealth of Virginia City of Manassas Park City of Manassas Fairfax County



Margaret Franklin VRE Operations Board Chair Prince William County

CHAIR'S COMMENTS & INSTALLATION OF 2023 OFFICERS

- Welcome to the VRE Operations Board January meeting.
- In front of you is VRE's 2022 Annual Report, which summarizes our accomplishments. The report also is available at vre.org
- Before I turn the meeting over to the incoming chair, I'd like to take a moment to touch on some of the highlights during my tenure:
 - June bond sale
 - September ribbon cutting at the Rolling Road station
 - December adoption of fiscal year 2024 budget
- Now it's time for me to pass the gavel to the incoming chair, Supervisor James Walkinshaw from Fairfax County.



Margaret Franklin VRE Operations Board Chair Prince William County

CHAIR'S COMMENTS & INSTALLATION OF 2023 OFFICERS



James Walkinshaw, Fairfax County Chair



Sarah Bagley, City of Alexandria Treasurer



Meg Bohmke, Stafford County Vice Chair



Ralph Smith, City of Manassas Secretary



Margaret Franklin VRE Operations Board Chair Prince William County

CHAIR'S COMMENTS

- Thank you, Supervisor Franklin. I look forward to continuing the good work of the Operations Board.
- There are several things on the horizon of note:
 - Partnership with state on Transforming Rail in Virginia
 - Update to VRE's System Plan
 - Opening of Lifecycle Overhaul and Upgrade Facility
 - Completion of Quantico station improvements
- On behalf of the Operations Board, I would like to recognize Supervisor Franklin for all she accomplished during her tenure.



James Walkinshaw VRE Operations Board Chair Fairfax County

CHAIR'S COMMENTS - COMMITTEES

2022 Members



Bylaws



Jeanine Lawson



Meg Bohmke



Matt Kelly



James Walkinshaw





Andrea Bailey*



Jeanine Lawson



Dan Storck





Sarah Bagley



Meg Bohmke*



Matt Kelly



Legislative



Walter Alcorn



Andrea Bailey



Margaret Franklin*



Ralph Smith





Matt Kelly*



Jeanine Lawson



Dan Storck



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*Committee Chair

Dan Storck

CEO REPORT

- Safety
- Performance
- Ridership
- Legislative Update
- New Staff



Rich Dalton VRE CEO



CEO REPORT – SAFETY



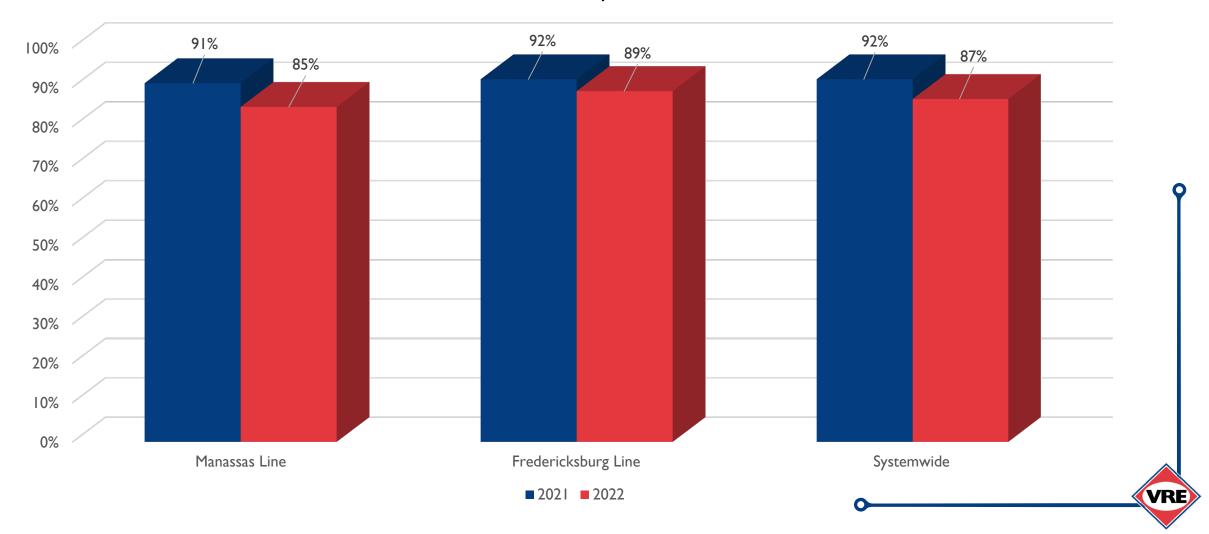
Full-scale Mechanical Exercises at the Broad Run and Crossroads Maintenance and Storage Facilities



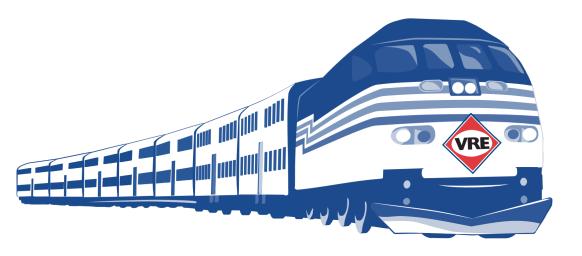
City of Manassas SWAT Team Training at the Broad Run Maintenance and Storage Facility

CEO REPORT – ON-TIME PERFORMANCE

December Comparisons

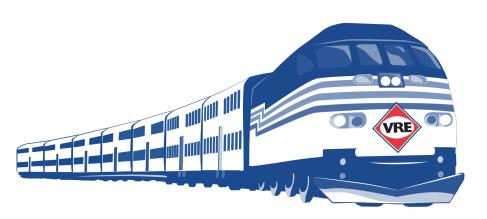


CEO REPORT – ON-TIME PERFORMANCE



TIME	ОСТ. 2022	NOV. 2022	DEC. 2022
	20 Days	19 Days	21 Days
LATE TRAINS			
Manassas	80	62	44
Fredericksburg	64	41	33
Systemwide	144	103	77
AVERAGE MINUT	ES DELAYED		
	14	14	15
# TRAINS 30+ MI	NUTES LATE		
	8	19	4
ОТР			
Manassas	75%	80%	85%
Fredericksburg	80%	87%	89%
Systemwide	77%	83%	87%

CEO REPORT – ON-TIME PERFORMANCE

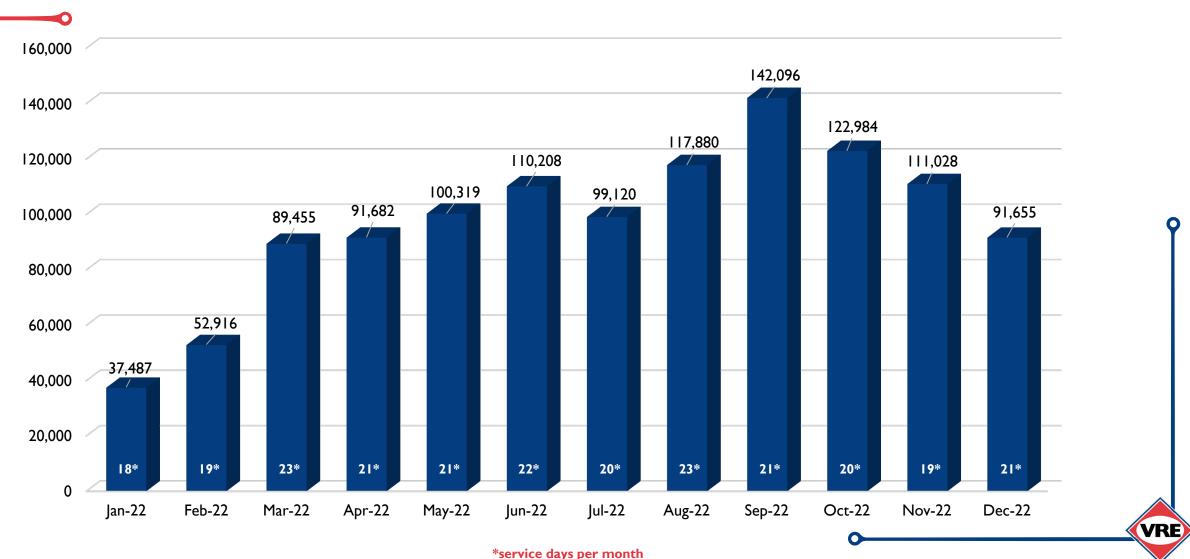


N-TIME		ОСТ.	NOV.	DEC.	TOTAL #	TOTAL %
		20 Days	19 Days	21 Days	60	Days
CAUSE			# OF TRAIN	IS DELAYED		
Congestion		98	76	62	236	72.8%
Mechanical	Primary	6	3	2	- H	6.8%
Mechanicai	Cascading	7	7 4 -		П	0.0%
Switch/Signal Issue		8	3	4	15	4.7%
Positive Train Control	Primary	6	1	1	8	4.4%
Positive frain Control	Cascading	3	3	-	6	4.4%
Dispatcher		6	5		П	3.4%
Police Activity		2*	3**	3***	8	2.5%
Weather		-	-	4	4	1.2%
Speed Restrictions		4	-	-	4	1.2%
Leaf Oil (Wheel Slip)		I	2	-	3	0.9%
Maintenance of Way		I	I.	-	2	0.6%
Passenger Assistance		2	-	-	2	0.6%
Trespasser(s)		-	- E	I.	2	0.6%
Debris Strike		-	I.	-	I	0.3%
Total Delays		144	103	77	324	100.0%

*Unruly Passenger (10/06) and Medical Emergency (10/06) **Issue on Amtrak 93 (11/22) and VIP Movement (11/22) ***Report of Vehicle on Tracks (12/14) and Medical Emergency (12/15)

CEO REPORT – MONTHLY RIDERSHIP

Exclusive of Boardings at Alexandria and Crystal City



CEO REPORT – AVERAGE DAILY RIDERSHIP

Exclusive of Boardings at Alexandria and Crystal City



*service days per month

CEO REPORT – RIDERSHIP MILESTONE



CEO REPORT – LEGISLATIVE UPDATE





Rich Dalton VRE CEO



Joe Swartz VRE Director of Government and Community Affairs

CEO REPORT – NEW STAFF

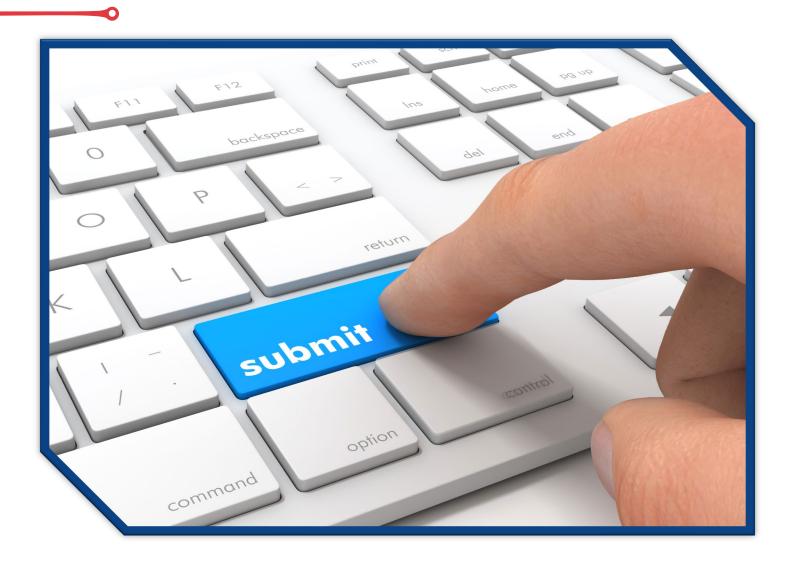


Dagmawie Shikuryeh Project Manager

• CEO REPORT – COMMENTS



VRE RIDERS' & PUBLIC COMMENT





James Walkinshaw VRE Operations Board Chair Fairfax County

Agenda Item 10A

AUTHORIZATION TO ISSUE A GEC VIII TASK ORDER FOR CROSSROADS MSF EXPANSION PHASE II PRELIMINARY ENGINEERING AND ENVIRONMENTAL REVIEW

Recommendation:

The VRE Operations Board is asked to authorize the CEO to issue a general engineering consulting Services (GEC) VIII task order to HDR Engineering, Inc. for Crossroads Maintenance and Storage Facility (MSF) Expansion Phase II preliminary engineering and environmental review in the amount of \$901,200, plus a 10 percent contingency of \$90,120, for a total not to exceed \$991,320.

Summary:

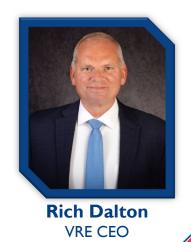
VRE is initiating preliminary engineering activities on MSF yard infrastructure elements that will require expansion or modification to accommodate future increases in train service. The scope of work for this GEC VIII task order encompasses preliminary engineering activities (30%) on yard elements, including:

- a new Administrative and Employee Welfare building
- expansion of parts warehousing facilities
- large material and cleaning products storage facilities
- track expansion
- requisite site work, stormwater management, and access infrastructure

This task order includes an environmental review of the proposed improvements, as well as preparation of a geotechnical report.

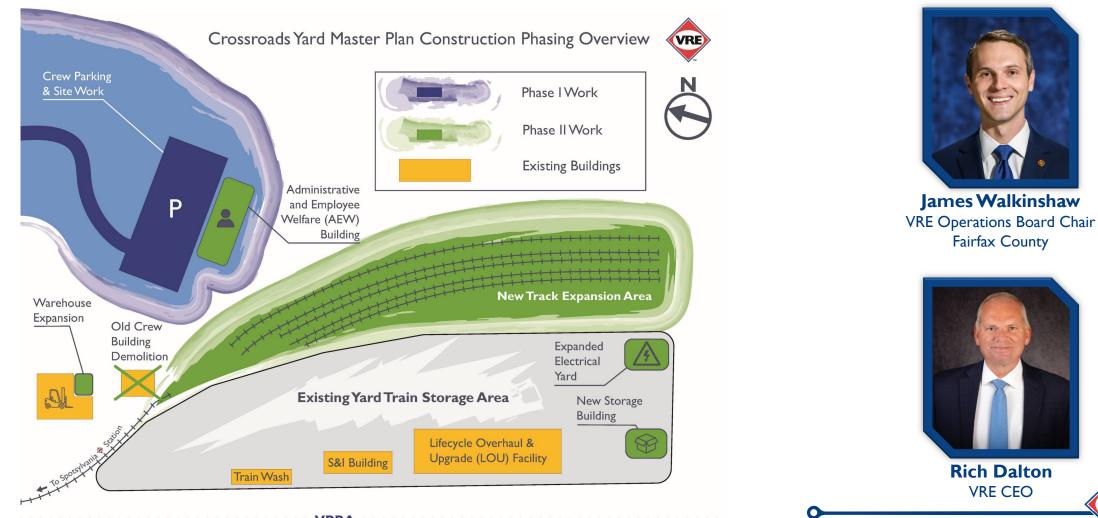


James Walkinshaw VRE Operations Board Chair Fairfax County



Agenda Item 10A

AUTHORIZATION TO ISSUE A GEC VIII TASK ORDER FOR CROSSROADS MSF EXPANSION PHASE II PRELIMINARY ENGINEERING AND ENVIRONMENTAL REVIEW



VRE

Agenda Item 10B

AUTHORIZATION TO ISSUE A GPC TASK ORDER FOR SYSTEM PLAN 2050 UPDATE PHASE II

Recommendation:

The VRE Operations Board is asked to authorize the CEO to issue a general planning consulting services (GPC) task order to STV, Inc. for System Plan 2050 Update Phase II in the amount of \$542,788, plus a 10 percent contingency of \$54,279, for a total not to exceed \$597,067.

Summary:

This task order includes the continuation of a robust external and stakeholder outreach process started in Phase I of the plan and will also produce a set of service scenarios for refinement and analysis of each scenario's ridership, fiscal, infrastructural, and organizational impact on VRE and its host railroads, and partners.



James Walkinshaw VRE Operations Board Chair Fairfax County



AUTHORIZATION TO ISSUE A GPC TASK ORDER FOR SYSTEM PLAN 2050 UPDATE PHASE II

System Plan Phase I Tasks Completed



- Coordination with partner agencies and member jurisdictions
- Development of Plan Vision and Goals
- Draft metrics developed to screen future service scenarios



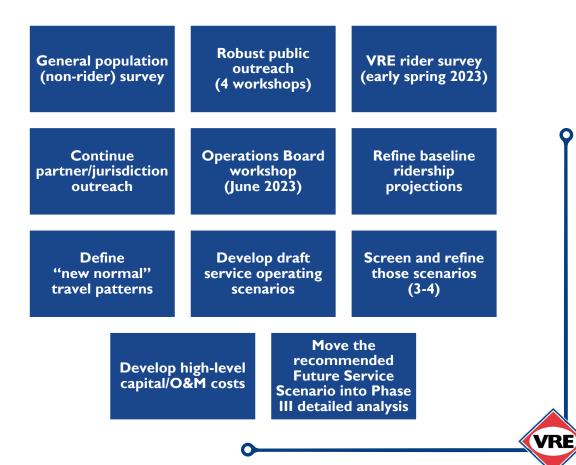
- Two interactive StoryMaps published to Plan website
- Rider outreach at Core stations
- 2030 and 2050 Baseline ridership projections developed
- Identification of future strong VRE markets
- Evaluation of ridership trends and external market forces

Agenda Item 10B

AUTHORIZATION TO ISSUE A GPC TASK ORDER FOR SYSTEM PLAN 2050 UPDATE PHASE II



Phase II Tasks



Agenda Item 10C

AUTHORIZATION TO AMEND THE CONTRACTS FOR THE DELIVERY OF DIESEL FUEL FOR VRE LOCOMOTIVES

Recommendation:

The VRE Operations Board is asked to authorize the CEO to amend the two contracts for the delivery of diesel fuel for VRE locomotives to exercise the fourth option year on each contract. Each option year will begin July 1, 2023, and end June 30, 2024. The contract option with James River Solutions of Ashland, Virginia, for the delivery of diesel fuel to the Crossroads Maintenance and Storage Facility is recommended in the amount of \$3,111,000, plus a 40 percent contingency of \$1,244,400, for a total amount not to exceed \$4,355,400. The contract option with Griffith Energy Services, Inc. of Columbia, Maryland, for the delivery of diesel fuel to the Broad Run Maintenance and Storage Facility is recommended in the amount of \$2,074,000, plus a 40 percent contingency of \$829,600, for a total amount not to exceed \$2,903,600.

Summary:

Both diesel fuel supply contracts afford VRE the option to reduce fuel cost volatility by locking in future fixed prices for fuel directly with the suppliers (James River Solutions and Griffith Energy Services). Fixed prices cannot be locked in for a period beyond the current term of the contract. By exercising the fourth option year of both contracts now, VRE will have the ability, if desired, to execute fixed price agreements for fuel through the end of FY 2024.



James Walkinshaw VRE Operations Board Chair Fairfax County



APPROVAL OF THE 2023 VRE OPERATIONS BOARD MEETING SCHEDULE

Recommendation:

The VRE Operations Board is asked to adopt the 2023 VRE Operations Board meeting schedule.

Summary:

The VRE Operations Board Bylaws state that regular Operations Board meetings shall be held on the third Friday of each month, except August. They also call for the adoption of a schedule of times, dates and places of the Board's regular meetings, at its first annual meeting, specified to be the first meeting in January.



James Walkinshaw VRE Operations Board Chair Fairfax County



Agenda Item 10D

APPROVAL OF THE 2023 VRE OPERATIONS BOARD MEETING SCHEDULE

MEETING LOCATION:	PRTC Boardroom 14700 Potomac A Woodbridge, VA	Aills Road		 Executive Committee - as needed Audit Committee CEO/CLO Evaluation Committee Finance Committee - follows Board meeting adjournment Legislative Committee - follows Board meeting adjournment Mominating Committee 									
VRE OPS BOA	ARD MEETING	DATE	TIME	VRE OPS BOARD MEETING	DATE	TIME							
JANUARY		Jan. 20, 2023	9:00 am	JULY Ω♦ ŧ	Jul. 21, 2023	9:00 am							
FEBRUARY		Feb. 17, 2023	9:00 am	AUGUST	No Meeting	N/A							
MARCH D		Mar. 17, 2023	9:00 am	SEPTEMBER	Sep. 15, 2023	9:00 am							
APRIL		Apr. 21, 2023	9:00 am	OCTOBER D	Oct. 20, 2023	9:00 am							
MAY ŧ		May 19, 2023	9:00 am	NOVEMBER Q (5)	Nov.17, 2023	9:00 am							
JUNE with *80	DARD RETREAT	Jun. 16. 2023	9:00 am-3:00 pm	DECEMBER	Dec.15, 2023	9:00 am							

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James Walkinshaw VRE Operations Board Chair Fairfax County Ο



*Tentative

Agenda Item 10E

RECOMMEND AUTHORIZATION TO EXECUTE A FUNDING AGREEMENT WITH AMTRAK

Recommendation:

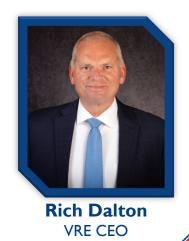
The VRE Operations Board is asked to recommend the commissions approve and authorize the CEO to execute a funding agreement with Amtrak to provide a share of the local match requirement for the Track 22 Rehabilitation Project at Washington Union Station.

Summary:

As part of the Washington Union Station master planning process, a critical project – Track 22 Rehabilitation Project – was identified as a priority project that, if accelerated, would reduce current train congestion for both Amtrak and VRE service.VRE and Amtrak staff have collaborated to identify funding sources for this project. Amtrak received a grant from the Federal Railroad Administration for 50 percent of the projected \$38.1 million cost of the project.VRE and Amtrak staff further collaborated on obtaining funding sources for the local match requirement for the balance of the project cost.



James Walkinshaw VRE Operations Board Chair Fairfax County



Agenda Item 10E

RECOMMEND AUTHORIZATION TO EXECUTE A FUNDING AGREEMENT WITH AMTRAK









James Walkinshaw VRE Operations Board Chair Fairfax County

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VRE



Rich Dalton

Agenda Item IIA

VRETRANSIT ASSET MANAGEMENT PLAN 2022 UPDATE

TRANSIT ASSET MANAGEMENT

2022 ACHIEVEMENTS

First FullTAM Plan Update

- > Completed the first full update of VRE's TAM Plan in compliance with FTA's October 1, 2022 deadline
- > Incorporated information from supportive efforts performed on multiple fronts: FTA asset management self-assessment tool implementation, criticality assessment of inventoried assets, and capital project ranking tool development, among others

Data and Decision Support Systems

- > Completed updates to improve VTAMS functionality in preparation for production of the 2022 TAM Plan
- > Developed a decision support tool to be used for capital planning that relies on a quantitative project ranking methodology

Reporting

- > Updated DRPT's asset inventory database and submitted aTransAM After-Action Report following each of two reporting deadlines (January and July)
- > Prepared FY 2022 NTD Annual Report Asset Inventory Module forms, including the Narrative Report and corresponding performance targets for FY 2023 (October)

VRE 2022 TAM PLAN

- > Included a review of VRE's asset management and state of good repair (SGR) policy to ensure continued alignment with broad organizational objectives
- Incorporated criticality assessment of inventoried assets based on their consequence of failure using a
 qualitative approach considering five criteria: (1) Safety Impact, (2) Level of Service Impact, (3) Cost Impact,
 (4) Legal/Regulatory Impact, and (5) Asset Redundancy
 - ed updated facility condition data from systemwide assessments completed in 2021
 - a summary of key 2022 TAM Plan changes and language to distinguish between supdates and amendments

VRE's Transit Asset Management (TAM) Plan, originally completed in 2018 and revised in 2022, allows VRE to monitor and manage its assets, particularly rolling stock and facilities. Additional benefits of the plan, which are required by the Federal Transit Administration (FTA), include improved safety, increased reliability and performance, and more efficient operations.

The intent of VRE's TAM Plan and associated Lifecycle Maintenance (LCM) Plan, is to minimize the total cost of ownership of an asset while maximizing its performance. TAM integrates activities across VRE departments to optimize resource allocation and to support decision-making.



Rich Dalton VRE CEO

SPENDING AUTHORITY REPORT

On September 18, 2020, the VRE Operations Board approved increasing the CEO's delegated spending authority from \$100,000 to \$200,000. It was resolved as part of that increased delegation that any purchase or contract award in the range of \$50,000 to \$200,000 would be communicated to the Board as an information item.

On December 7, 2022, VRE issued a sole source purchase order in the amount of \$52,934 to United Safety & Survivability Corporation to purchase a total of 22 new engineer seats for VRE's fleet of locomotives. The current seats have reached the end of their useful life and are beginning to demonstrate considerable wear and tear.

On December 9, 2022, VRE issued a task order in the amount of \$106,000 to HDR Engineering under the general engineering consulting services contract for GIS System Design: Asset Inventory and Database. The purpose of this task order is to build a geo-located asset inventory for facilities, to include light poles and fixtures, trash receptacles, signs, etc. Each asset will include its location both in terms of station and coordinates, as well as the manufacturer, serial number, and installation date. Once established, the database will subsequently be used to track maintenance efforts such as each time the bulb is replaced in a specific light fixture.



Rich Dalton VRE CEO

SPENDING AUTHORITY REPORT (CONTINUED)

On September 18, 2020, the VRE Operations Board approved increasing the CEO's delegated spending authority from \$100,000 to \$200,000. It was resolved as part of that increased delegation that any purchase or contract award in the range of \$50,000 to \$200,000 would be communicated to the Board as an information item.

On December 9, 2022, VRE issued a task order in an amount not to exceed \$164,900 to HDR Engineering under the general engineering consulting services contract to provide staff augmentation services on an as-needed basis to provide support as an extension of VRE staff. The first assignment anticipated under this task order is to review and update the Facility Design Guidelines.

On December 21, 2022, VRE issued a task order in the amount of \$63,981 to NVE, Inc. under the maintenance services for VRE facilities contract to complete structural repairs to the Woodbridge station parking garage, including repairs to three precast concrete beam sets in accordance with the plans and specifications developed by HDR Engineering.

On December 29, 2022, VRE issued a task order in the amount of \$120,000 to PFM Financial Advisors LLC under the financial advisor contract to obtain a two-year subscription to continue utilizing PFM's financial modeling platform software, which is referred to as Synario.



Rich Dalton VRE CEO

UPDATE ON BROAD RUN EXPANSION PROJECT

Through recent engineering design efforts,VRE has identified new information that impacts the proposed Broad Run Expansion Project. Given the primary objectives of the project,VRE has evaluated these impacts and revised the design accordingly. This information item serves to provide an update to the proposed project and changes to the design.



Dallas Richards VRE Chief Engineer

UPDATE ON BROAD RUN EXPANSION PROJECT Project Objectives

- I. Increase train storage capacity for planned delivery of new railcars.
- 2. Increase parking capacity for future ridership.
- 3. Provide alternate connection to Rte. 28 / Trail via Residency Road.
- 4. Coordinate with adjacent stakeholders to not preclude future works.

Agenda Item IIC

UPDATE ON BROAD RUN EXPANSION PROJECT Project Objectives

Total Parking Capacity = 1,077 Spaces Current Parking Utilization = 40% Peak Equipment Storage Capacity = 58 Units

UPDATE ON BROAD RUN EXPANSION PROJECT Phase I: Train Storage, Station and AEW Building



Agenda Item IIC

UPDATE ON BROAD RUN EXPANSION PROJECT Phase 2: Additional Parking



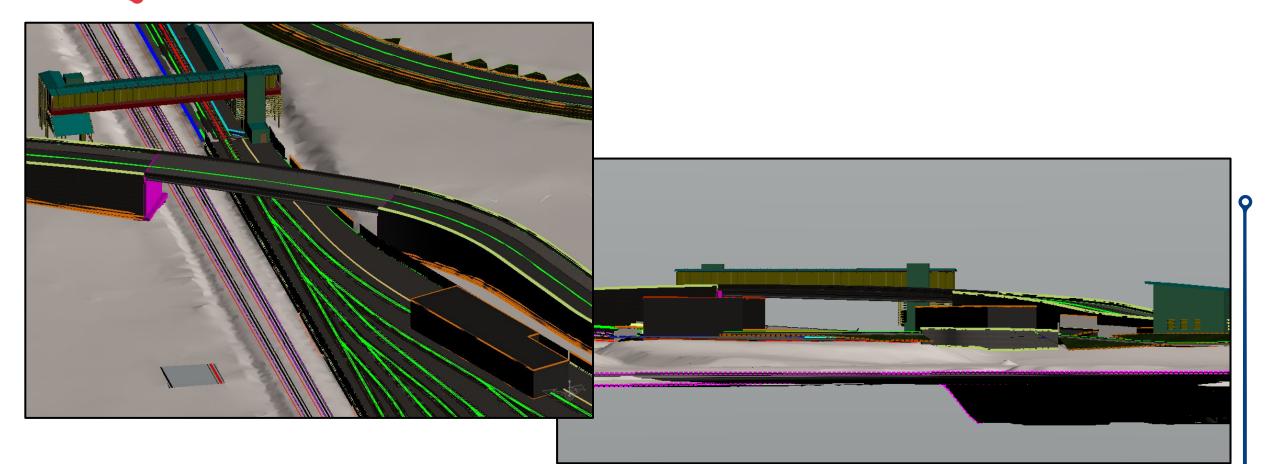
UPDATE ON BROAD RUN EXPANSION PROJECT Future Bridge Project: Overview



Agenda Item IIC

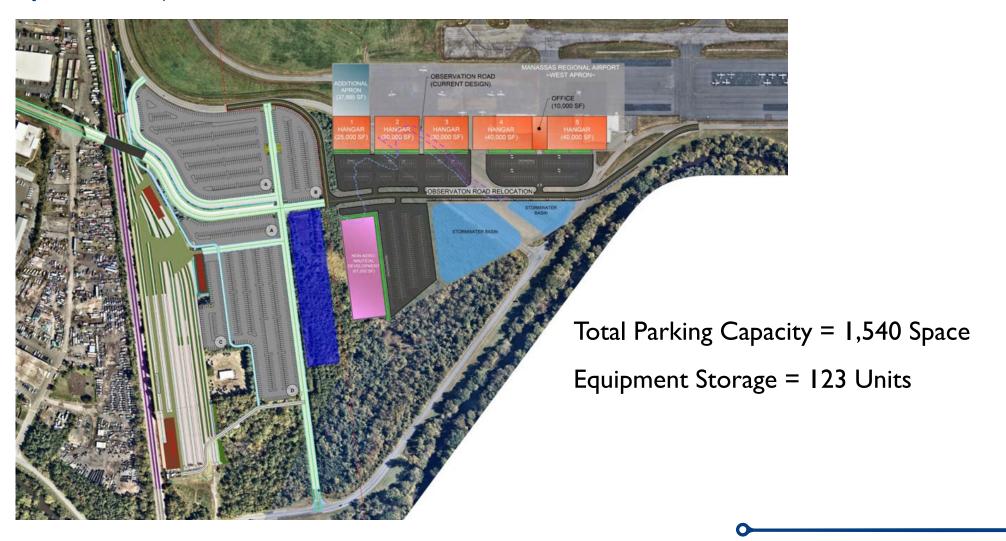
UPDATE ON BROAD RUN EXPANSION PROJECT

Future Bridge Project: Renderings



*Both bridges shown for comparison only

UPDATE ON BROAD RUN EXPANSION PROJECT Future Airport Project: Master Plan



OPERATIONS BOARD MEMBERS' TIME



Walter Alcorn Fairfax County



Sarah Bagley Alexandria



Andrea Bailey Prince William County



Meg Bohmke Stafford County



Katie Cristol Arlington



Margaret Franklin Prince William County



Monica Gary Stafford County



Lori Hayes Spotsylvania County



Matt Kelly Fredericksburg



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Mike McLaughlin Commonwealth of Virginia



Alanna Mensing Manassas Park



Ralph Smith Manassas



Dan Storck Fairfax County



James Walkinshaw Fairfax County



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THE JANUARY 20, 2023 MEETING OF THE VRE OPERATIONS BOARD IS ADJOURNED

	VRE		
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