

VIRGINIA RAILWAY EXPRESS

# CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2022

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*VRE is a transportation partnership of the Northern Virginia Transportation Commission and the Potomac and Rappahannock Transportation Commission*



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# Asset Management/ State of Good Repair



**Project Name:**

Automatic Passenger Counters

**Project ID:**

AM-2

**Program Name:**

Asset Management/State of Good Repair

**Project Type:**

Asset Management

**Location:**

N/A

**Project Description**

Currently, passenger counts are performed manually by train conductors each morning and evening to comply with the National Transit Database (NTD) and internal VRE reporting needs. This project will allow for automatic passenger counters as the riders board and detrain at each station. Installation of the passenger counters will also allow gathering of additional passenger information for use in planning and operational analyses. Any new rail cars purchased by VRE will have the APC equipment installed during the construction process.

**Project Funding**

This project is funded with federal 5307 (Urbanized Area formula program) grants requiring a 20% local match.

Schedule Information										
Phase	Start Date	Finish Date								
Automatic Passenger Counters	1/1/2016	12/31/2022								



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	2,320,000									2,320,000
Federal State Match	464,000									464,000
VRE Local Match	116,000									116,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>2,900,000</b>									<b>2,900,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Purchase/Install on 8 Cars (Proof of Concept)	125,000									125,000
Purchase/Install on 92 Cars (Production)	1,163,715	100,000								1,263,715
Back End System Development/Support	35,541	75,000								110,541
Project Management/Oversight		150,000	1,250,744							1,400,744
<b>Total Spending Plan</b>	<b>1,324,256</b>	<b>325,000</b>	<b>1,250,744</b>							<b>2,900,000</b>





**Project Name:**

Enhancement Grant - Security

**Project ID:**

AM-4

**Program Name:**

Asset Management/State of Good Repair

**Project Type:**

Asset Management

**Location:**

N/A

**Project Description**

Grantees receiving federal 5307 funds must certify that at least 1% of funding received each fiscal year is being used for transit security projects. Eligible projects include improvements to station lighting and security, systems safety consulting, and security drills with first responders.

**Project Funding**

Projects are funded through 1% set-aside of federal 5307 annual allocations for transit security projects. Annual allocation is \$105,000.

Schedule Information												
Phase	Ongoing											
Enhancement grant - security			<div> <div>Jul-19</div> <div>Jul-20</div> <div>Jul-21</div> <div>Jul-22</div> <div>Jul-23</div> <div>Jul-24</div> <div>Jul-25</div> <div>Jul-26</div> <div>Jul-27</div> </div> <div> <div>Enhancement grant - security</div> <div></div> </div>									

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	644,178	84,000	84,000	84,000	84,000	84,000	84,000	84,000		1,232,178
Federal State Match	124,362	16,800	16,800	16,800	16,800	16,800	16,800	16,800		241,962
VRE Local Match	81,305	4,200	4,200	4,200	4,200	4,200	4,200	4,200		110,705
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>849,844</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>		<b>1,584,844</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Facilities Asset Management Program	849,844	105,000	105,000	105,000	105,000	105,000	105,000	105,000		1,584,844
<b>Total Spending Plan</b>	<b>849,844</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>		<b>1,584,844</b>



**Project Name:**

Equipment Asset Management Program

**Project ID:**

AM-5

**Program Name:**

Asset Management/State of Good Repair

**Project Type:**

Asset Management

**Location:**

N/A

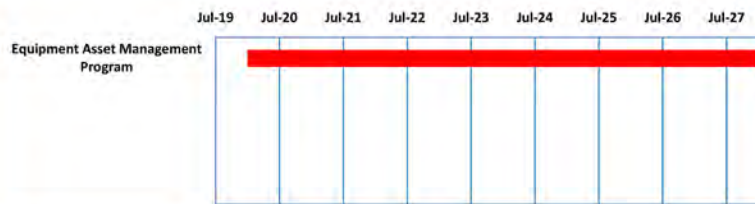
**Project Description**

This ongoing program provides funding for major lifecycle overhaul and upgrade costs for VRE rolling stock to ensure all equipment is maintained in a state of good repair in accordance with VRE's Maintenance Management Plan and Transit Asset Management program.

**Project Funding**

This program is funded with federal 5337 (Rail State of Good Repair) formula grants requiring a 20% local match.

Schedule Information												
Phase	Ongoing											
Equipment Asset Management Program												



Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	23,563,406	4,896,194	1,672,000	1,584,294	1,357,492	1,520,000	2,663,200			37,256,586
Federal State Match	4,712,681	979,239	334,400	316,859	271,498	152,000	266,320			7,032,997
VRE Local Match	1,178,170	244,810	83,600	79,215	67,875	228,000	399,480			2,281,149
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>29,454,258</b>	<b>6,120,242</b>	<b>2,090,000</b>	<b>1,980,368</b>	<b>1,696,865</b>	<b>1,900,000</b>	<b>3,329,000</b>			<b>46,570,733</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equipment Asset Management Program	6,895,258	8,047,675	10,210,000	9,925,000	3,789,800	3,233,000	2,270,000	2,200,000		46,570,733
<b>Total Spending Plan</b>	<b>6,895,258</b>	<b>8,047,675</b>	<b>10,210,000</b>	<b>9,925,000</b>	<b>3,789,800</b>	<b>3,233,000</b>	<b>2,270,000</b>	<b>2,200,000</b>		<b>46,570,733</b>





**Project Name:**

Facilities Asset Management Program

**Project ID:**

AM-6

**Program Name:**

Asset Management/State of Good Repair

**Project Type:**

Asset Management

**Location:**

System-wide

**Project Description**

As VRE facilities age, there is an increasing need for repairs and improvements to maintain these assets in a State of Good Repair (SGR). An independent evaluation of all station, maintenance, storage, office facilities and systems was conducted at the beginning of FY 2018 in accordance with VRE's Transit Asset Management program, in order to establish maintenance, rehabilitation and replacement cycles and priorities. This ongoing program supports those required rehabilitation and replacement efforts at VRE facilities.

**Project Funding**

This ongoing program is funded with federal 5337 (Rail State of Good Repair) formula grants requiring a 20% local match.

Schedule Information												
Phase	Ongoing											
Facilities Asset Management Program												

Jul-19 Jul-20 Jul-21 Jul-22 Jul-23 Jul-24 Jul-25 Jul-26 Jul-27

Facilities Asset Management Program



Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	11,730,881	166,950								11,897,830
Federal State Match	2,321,176	33,390								2,354,566
VRE Local Match	611,544	8,347								619,892
VRE Capital Reserve	500,000									500,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>15,163,601</b>	<b>208,687</b>								<b>15,372,288</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Facilities Asset Management Program	3,147,288	2,850,000	3,675,000	1,200,000	1,350,000	1,050,000	800,000	800,000		14,872,288
VRE Office Renovations	500,000									500,000
<b>Total Spending Plan</b>	<b>3,647,288</b>	<b>2,850,000</b>	<b>3,675,000</b>	<b>1,200,000</b>	<b>1,350,000</b>	<b>1,050,000</b>	<b>800,000</b>	<b>800,000</b>		<b>15,372,288</b>



**Project Name:**

Fredericksburg Station Rehabilitation

**Project ID:**

AM-6A

**Program Name:**

Passenger Station Facilities

**Project Type:**

Rehabilitation

**Location:**

Fredericksburg

**Project Description**

The project supports rehabilitation of the existing Fredericksburg station. Work includes repair of approximately 125 feet of the southernmost portion of each platform, dental concrete repairs, lighting, and signage. The project will improve the boarding capacity for VRE and Amtrak trains. In conjunction with the platform repairs, stairs will be added at the southeast corner of the station for safe passenger movements to nearby parking. This new passenger path will not require crossing Princess Anne Street at-grade.

**Project Funding**

This project is funded with federal 5337 (Rail State of Good Repair) formula grants requiring a 20% local match.

Schedule Information							
Phase	Start Date	Finish Date	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21
Development	7/14/2017	10/14/2019	Development				
Property Acquisition	5/5/2020	3/16/2021				Property Acquisition	
Final Design	10/15/2019	2/1/2021			Final Design		
Construction	3/16/2021	4/26/2022					Construction

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	1,480,000	2,526,400								4,006,400
Federal State Match	296,000	505,280								801,280
VRE Local Match	74,000	126,320								200,320
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>1,850,000</b>	<b>3,158,000</b>								<b>5,008,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	151,874									151,874
Property Acquisition										
Final Design	61,947	286,179								348,126
Construction		1,350,000	3,158,000							4,508,000
<b>Total Spending Plan</b>	<b>213,821</b>	<b>1,636,179</b>	<b>3,158,000</b>							<b>5,008,000</b>





**Project Name:**

Security Cameras

**Project ID:**

AM-8

**Program Name:**

Asset Management/State of Good Repair

**Project Type:**

Asset Management

**Location:**

System-wide

**Project Description**

The system of security cameras and infrastructure at VRE stations and yards is being modernized and expanded. This project covers cameras at VRE's existing facilities; the cost of the initial installation of cameras associated with construction projects is included in the budgets for these projects. Funding is currently provided for cameras and associated hardware at 22 locations.

**Project Funding**

This project is funded with federal 5307 (Urbanized Area formula program) grants requiring a 20% local match as well as the required 1% safety/security set aside in the federal CARES Act funds allocated to VRE in March 2020.

Schedule Information															
Phase	Start Date	Finish Date													
Security Cameras	1/1/2016	12/31/2027													

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	862,960	240,000			400,000		234,951			1,737,911
Federal State Match	172,592	48,000			80,000		46,990			347,582
VRE Local Match	43,148	12,000			20,000		11,748			86,896
VRE Capital Reserve	500,000									500,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>1,578,700</b>	<b>300,000</b>			<b>500,000</b>		<b>293,689</b>			<b>2,672,389</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Security Cameras	997,171	775,219	600,000				150,000	150,000		2,672,389
<b>Total Spending Plan</b>	<b>997,171</b>	<b>775,219</b>	<b>600,000</b>				<b>150,000</b>	<b>150,000</b>		<b>2,672,389</b>



**Project Name:**

Real-Time Multimodal Traveler Information

**Project ID:**

AM-9

**Program Name:**

Asset Management/State of Good Repair

**Project Type:**

Asset Management

**Location:**

System-wide



Travel Decisions Powered by Data

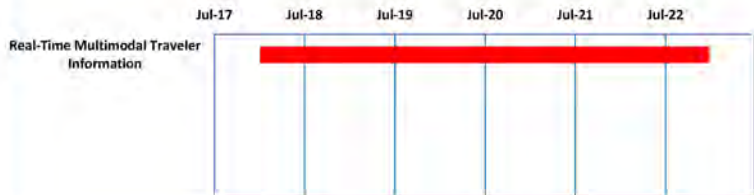
**Project Description**

VRE has a system-wide program to implement automatic passenger counters in all rail cars and automatic parking counters at all VRE parking facilities. While train location information is currently provided on the internet and on screens at the stations, there are plans to provide real-time train arrival information in the future. Software upgrades will be required to provide these real-time data feeds that can then be integrated with VRE Mobile and other third-party apps and websites, as well as on display screens at VRE stations and other locations along the I-66 corridor. Separate funding has been committed for implementing automatic passenger counters and automatic parking counters at existing VRE facilities.

**Project Funding**

This project is funded through the I-66 Outside the Beltway (OTB) Concessionaire Payment as part of the broader Manassas Line Capacity Expansion program.

Schedule Information								
Phase	Start Date	Finish Date						
Real-Time Multimodal Traveler Information	1/1/2018	12/31/2022						



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
I-66 OTB Concession Payment	3,481,000									3,481,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>3,481,000</b>									<b>3,481,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Real-Time Multimodal System			3,481,000							3,481,000
<b>Total Spending Plan</b>			<b>3,481,000</b>							<b>3,481,000</b>





# Information Technology



**Project Name:**

ERP Implementation

**Project ID:**

IT-2

**Program Name:**

Information Technology

**Project Type:**

New Installation

**Location:**

N/A

**Project Description**

This project supports the installation of an Enterprise Resource Planning system (ERP) to support VRE operations. The project will target implementation of a new system to provide automation of process workflows related to Human Resources, Accounting, Finance, Budgeting, Grant Management, Inventory Management, Project Management and Procurements. The project aims to replace a number of current manual processes with data automation and improved reporting. This project will enhance the effectiveness of VRE operations by creating greater process efficiencies throughout the organization.

**Project Funding**

Project is fully funded with VRE Local funds (Capital Reserve).

Schedule Information									
Phase	Start Date	Finish Date							
Implementation, Hardware and Licensing	9/1/2016	8/2/2022							
			<div> <div>Jul-16</div> <div>Jul-17</div> <div>Jul-18</div> <div>Jul-19</div> <div>Jul-20</div> <div>Jul-21</div> <div>Jul-22</div> </div> <div> <div>Implementation, Hardware and Licensing</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>						

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
VRE Capital Planning Fund (98)	140,000									140,000
VRE Capital Reserve	2,610,000									2,610,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>2,750,000</b>									<b>2,750,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Implementation, Hardware and Licensing	377,433	1,082,400	1,290,167							2,750,000
<b>Total Spending Plan</b>	<b>377,433</b>	<b>1,082,400</b>	<b>1,290,167</b>							<b>2,750,000</b>





**Project Name:**  
TRIP/VMS Upgrade

**Project ID:**  
IT-3

**Program Name:**  
Information Technology

**Project Type:**  
New Installation

**Location:**  
N/A



#### Project Description

This project supports the upgrade of VRE's Transit Display system and train information portal. The project will replace the current infrastructure and system which was installed more than ten years ago. This project will enhance the effectiveness of VRE operations through communication of multi-modal transit data and an updated GTFS feeds to VDOT for their use on VDOT Variable Message Signs.

#### Project Funding

This project is funded with VRE internal funds (Capital Reserve).

Schedule Information					
Phase	Start Date	Finish Date	Jul-19	Jul-20	Jul-21
Implementation, HW, SW, Licensing	9/1/2019	8/2/2021	Implementation, HW, SW, Licensing		

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
VRE Capital Reserve	1,000,000									1,000,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>1,000,000</b>									<b>1,000,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Implementation, HW, SW, Licensing	45,222	954,778								1,000,000
<b>Total Spending Plan</b>	<b>45,222</b>	<b>954,778</b>								<b>1,000,000</b>





# Passenger Station Facilities



**Project Name:**

Alexandria Station Improvements

**Project ID:**

ST-1

**Program Name:**

Passenger Station Facilities

**Project Type:**

Replacement and Rehabilitation

**Location:**

City of Alexandria

**Project Description**

The project will provide an ADA-compliant, grade-separated pedestrian tunnel and elevator access between the two platforms at the VRE/Amtrak station in Alexandria and modify and extend the east platform at the station to accommodate eight-car trains and enable the platform to service two trains simultaneously, from a track on each side of the platform. The west platform adjacent to the station building will also be modified to raise its height relative to the top of rail as part of the project.

**Project Funding**

The project is funded primarily through the Commonwealth of Virginia SmartScale program (as part of VRE's broader Fredericksburg Line Expansion program) as well as Federal funds (provided through VDOT) to eliminate railroad grade crossings and improve railroad safety.



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	320,000									320,000
Federal State Match	64,000									64,000
VRE Local Match	16,000									16,000
Federal Funds - Other	8,721,865									8,721,865
State - Smart Scale	9,234,149		6,284,000	6,335,000						21,853,149
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>18,356,014</b>		<b>6,284,000</b>	<b>6,335,000</b>						<b>30,975,014</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	2,193,000									2,193,000
Property Acquisition										
Final Design	1,083,467	500,000	100,000	98,547						1,782,014
Construction		1,500,000	20,000,000	5,500,000						27,000,000
<b>Total Spending Plan</b>	<b>3,276,467</b>	<b>2,000,000</b>	<b>20,100,000</b>	<b>5,598,547</b>						<b>30,975,014</b>





**Project Name:**

Backlick Road Station Improvement

**Project ID:**

ST-4

**Program Name:**

Passenger Station Facilities

**Project Type:**

Expansion

**Location:**

Fairfax County

VRE Backlick Road Improvements

**Project Description**

The existing platform at the VRE Backlick Road Station on the Manassas Line only accommodates five-car train sets for boarding and detraining. Some passengers must move to different cars for detraining longer trains. The platform extension project will construct an approximately a 300-foot platform extension to accommodate eight-car trains.

**Project Funding**

This project is currently supported with Federal CMAQ/RSTP funds. Additional CMAQ funds will be sought for the unfunded portion of the project.

Schedule Information								
Phase	Start Date	Finish Date						
Development	6/1/2023	3/29/2024	Jul-22	Jul-23	Jul-24	Jul-25	Jul-26	Jul-27
Property Acquisition	12/4/2023	7/1/2024						
Final Design	6/3/2024	6/2/2025						
Construction	6/9/2025	5/26/2027						

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - CMAQ/STP/RSTP		1,600,000		400,000						2,000,000
State - CMAQ/STP/RSTP Match		400,000		100,000						500,000
Unfunded (To Be Determined)				3,500,000						3,500,000
<b>Total Funding</b>		<b>2,000,000</b>		<b>4,000,000</b>						<b>6,000,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development				170,000						170,000
Property Acquisition				90,000						90,000
Final Design					200,000	350,000				550,000
Construction							1,250,000	3,940,000		5,190,000
<b>Total Spending Plan</b>				<b>260,000</b>	<b>200,000</b>	<b>350,000</b>	<b>1,250,000</b>	<b>3,940,000</b>		<b>6,000,000</b>





**Project Name:**  
Brooke Station Improvement

**Project ID:**  
ST-5

**Program Name:**  
Passenger Station Facilities

**Project Type:**  
Expansion

**Location:**  
Stafford County

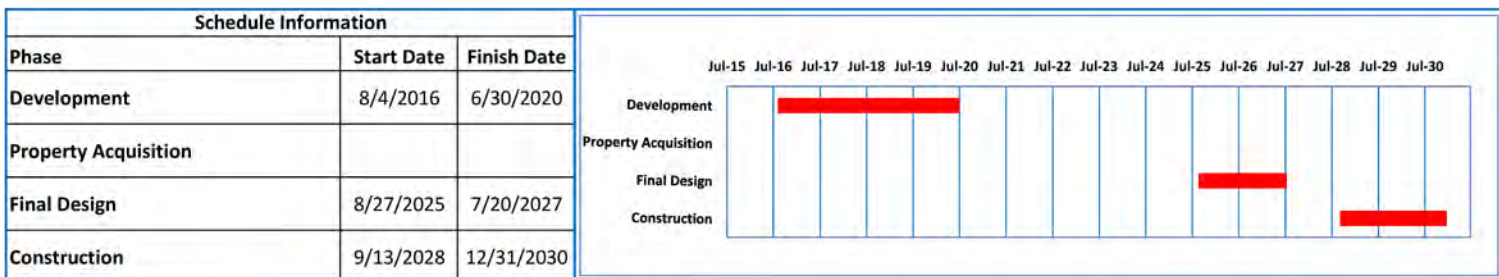


#### Project Description

This project previously included the design and construction of an extension to the existing platform, a new second platform, and a new pedestrian overpass at Brooke Station. With the introduction of the Transforming Rail in Virginia program, however, the project is being rescoped to include only an expansion of the existing side platform. These capacity enhancements will improve operational efficiency and accommodate eight-car trains.

#### Project Funding

The project is funded primarily through the Commonwealth of Virginia SmartScale program (as part of VRE's broader Fredericksburg Line Expansion program) as well as Federal CMAQ funds. Rail Enhancement Fund (REF) funding that supported the original larger project has been reallocated.



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - CMAQ/STP/RSTP	210,000	196,016	250,714	459,890						1,116,620
State - CMAQ/STP/RSTP Match	52,500	49,003	62,680	114,973						279,156
State - Smart Scale				7,393,331						7,393,331
State - Smart Scale				7,393,331						7,393,331
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>262,500</b>	<b>245,019</b>	<b>313,394</b>	<b>7,968,194</b>						<b>8,789,107</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
<b>Total Spending Plan</b>	<b>299,655</b>	<b>195,445</b>					<b>414,700</b>	<b>1,347,776</b>	<b>6,531,531</b>	<b>8,789,107</b>

<b>Total Spending Plan</b>	<b>299,655</b>	<b>195,445</b>					<b>414,700</b>	<b>1,347,776</b>	<b>6,531,531</b>	<b>8,789,107</b>
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**Project Name:**

Crystal City Station Improvements

**Project ID:**

ST-8

**Program Name:**

Passenger Station Facilities

**Project Type:**

Expansion

**Location:**

Arlington County

**Project Description**

This project includes the planning, design, permitting, and construction for an expanded and relocated station and platform for the VRE Crystal City Station and related track modifications. The project will construct an island platform to enable simultaneous boarding of two trains and accommodate full-length trains and the planned fourth track in and around the station. This project is related to and must be coordinated with the fourth track project between AF and RO interlockings, part of the DC2RVA project, the planned CC2DCA pedestrian bridge connection to Ronald Reagan National Airport, and Long Bridge Capacity Improvements.

**Project Funding**

The project is funded with multiple funding sources including Federal formula grants, NVTA funds, Rail Enhancement funds (REF), Commuter Rail Operating and Capital (C-ROC) funds, and VRE Capital Reserve funds.



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds		535,770	10,415,000							10,950,770
Federal State Match		107,154	2,083,000							2,190,154
VRE Local Match		26,789	520,750							547,539
NVTA	400,000	4,000,000			7,900,000	7,900,000				20,200,000
State - REF	707,000									707,000
VRE - State REF Local Match	303,000									303,000
VRE Capital Reserve	174,619			41,537						216,156
State C-ROC	15,000,000									15,000,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>16,584,619</b>	<b>4,669,713</b>	<b>13,018,750</b>	<b>41,537</b>	<b>7,900,000</b>	<b>7,900,000</b>				<b>50,114,619</b>

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Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	393,642	1,190,977								1,584,619
Property Acquisition										
Final Design		2,000,000	2,000,000							4,000,000
Construction				14,844,000	14,843,000	14,843,000				44,530,000
<b>Total Spending Plan</b>	<b>393,642</b>	<b>3,190,977</b>	<b>2,000,000</b>	<b>14,844,000</b>	<b>14,843,000</b>	<b>14,843,000</b>				<b>50,114,619</b>





**Project Name:****Franconia-Springfield Station Improvements****Project ID:****ST-9****Program Name:****Passenger Station Facilities****Project Type:****Expansion****Location:****Fairfax County****Project Description**

This project supports the design and construction of an extension to the existing west platform (adjacent to WMATA) and a widening/extension of the existing east platform at the VRE Franconia-Springfield Station. These capacity expansions will improve operational efficiency and accommodate eight-car trains. The project is within the limits of the broader DRPT Atlantic Gateway third track project.

**Project Funding**

This project is funded entirely with NVTAs funds.

Schedule Information										
Phase	Start Date	Finish Date	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21	Jul-22	Jul-23
Development	8/4/2016	11/30/2018	Development							
Property Acquisition			Property Acquisition							
Final Design	10/22/2018	4/21/2021			Final Design					
Construction	3/10/2021	6/27/2023					Construction			

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
NVTA	13,000,000									13,000,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>13,000,000</b>									<b>13,000,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	341,361									341,361
Property Acquisition										
Final Design	271,395	947,244								1,218,639
Construction		1,430,000	5,720,000	4,290,000						11,440,000
<b>Total Spending Plan</b>	<b>612,756</b>	<b>2,377,244</b>	<b>5,720,000</b>	<b>4,290,000</b>						<b>13,000,000</b>



**Project Name:**

Leeland Road Station Improvements

**Project ID:**

ST-10

**Program Name:**

Passenger Station Facilities

**Project Type:**

Expansion

**Location:**

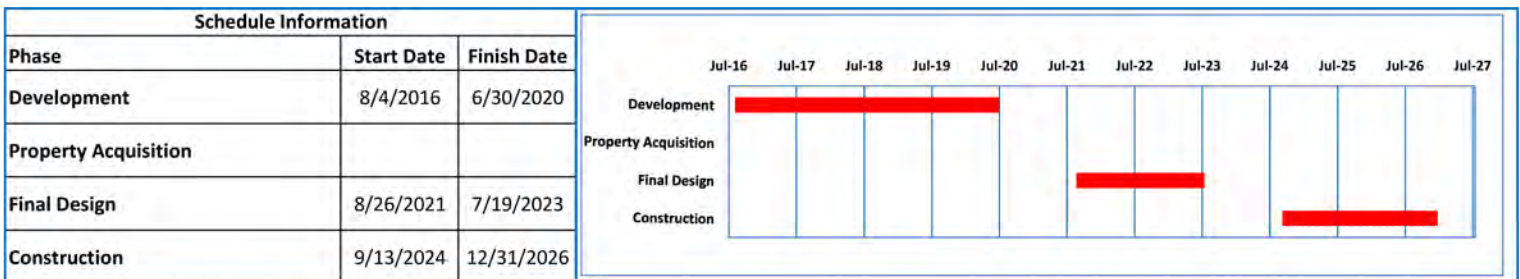
Stafford County

**Project Description**

This project previously included the design and construction of an extension to the existing platform, a new second platform, and a new pedestrian overpass at Leeland Road Station. With the introduction of the Transforming Rail in Virginia program, however, the project is being rescoped to include only an expansion of the existing side platform. These capacity enhancements will improve operational efficiency and accommodate eight-car trains.

**Project Funding**

The project is funded primarily through the Commonwealth of Virginia SmartScale program (as part of VRE's broader Fredericksburg Line Expansion program) as well as Federal CMAQ funds.



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - CMAQ/STP/RSTP	210,000	196,016	250,714	459,890						1,116,620
State - CMAQ/STP/RSTP Match	52,500	49,003	62,680	114,973						279,156
State - Smart Scale			2,749,725	2,109,789						4,859,514
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>262,500</b>	<b>245,019</b>	<b>3,063,119</b>	<b>2,684,652</b>						<b>6,255,290</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	365,141	92,659								457,800
Property Acquisition										
Final Design			289,875	289,875						579,749
Construction						1,304,435	2,608,871	1,304,435		5,217,741
<b>Total Spending Plan</b>	<b>365,141</b>	<b>92,659</b>	<b>289,875</b>	<b>289,875</b>		<b>1,304,435</b>	<b>2,608,871</b>	<b>1,304,435</b>		<b>6,255,290</b>



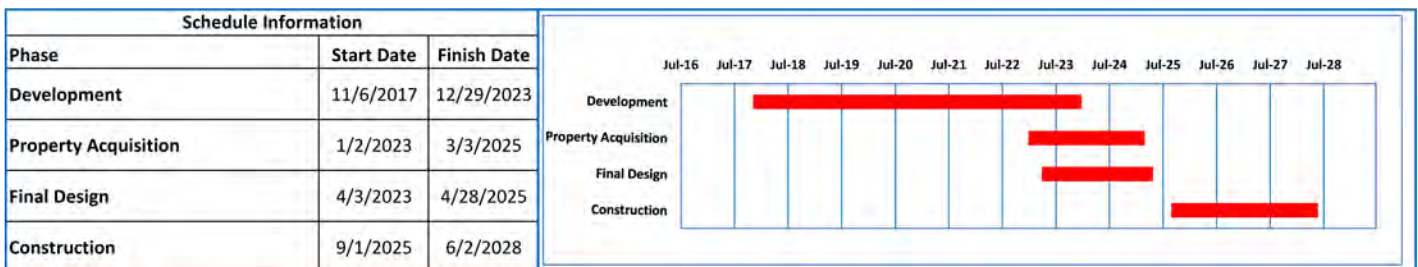


**Project Name:****L'Enfant Station and Fourth Track****Project ID:****ST-11****Program Name:****Passenger Station Facilities****Project Type:****Expansion****Location:****District of Columbia****Project Description**

This project includes the planning, design, permitting, and construction for an expanded VRE L'Enfant Station and an additional mainline track between the Virginia (VA) and L'Enfant (LE) Interlockings in Washington, DC. The expanded station will support simultaneous boarding of two full-length trains. The project will aim to improve station access and customer convenience while improving service reliability. The project must be coordinated with the L'Enfant Train Storage Track-South and Long Bridge Capacity Improvements projects.

**Project Funding**

This project will be supported by Federal formula funds, C-ROC funds and REF funds, as well as other sources yet to be determined.



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds			1,950,966	12,542,472	8,898,338					23,391,777
Federal State Match			390,193	2,508,494	1,779,668					4,678,355
VRE Local Match			97,548	627,124	444,917					1,169,589
State CROC	15,000,000	15,000,000								30,000,000
State - REF	2,226,000									2,226,000
VRE - State REF Local Match	954,000									954,000
VRE Capital Reserve	46,000									46,000
Unfunded (To Be Determined)						22,124,279				22,124,279
<b>Total Funding</b>	<b>18,226,000</b>	<b>15,000,000</b>	<b>2,438,708</b>	<b>15,678,090</b>	<b>11,122,923</b>	<b>22,124,279</b>				<b>84,590,000</b>

State REF corrected 3/4/2021

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	82,500	147,971	1,500,000	1,500,000						3,230,471
Property Acquisition										
Final Design				500,000	2,500,000	2,206,529				5,206,529
Construction							25,384,333	25,384,333	25,384,333	76,153,000
<b>Total Spending Plan</b>	<b>82,500</b>	<b>147,971</b>	<b>1,500,000</b>	<b>2,000,000</b>	<b>2,500,000</b>	<b>2,206,529</b>	<b>25,384,333</b>	<b>25,384,333</b>	<b>25,384,333</b>	<b>84,590,000</b>





**Project Name:**

Quantico Station Improvements

**Project ID:**

ST-14

**Program Name:**

Passenger Station Facilities

**Project Type:**

Expansion

**Location:**

Prince William County

**Project Description**

This project provides for improvements at the Quantico Station, including design and construction of an island platform and pedestrian bridges; extension of the existing platform; and site/civil, track bed and drainage improvements (including Retaining Wall) in conjunction with Track and Signal Work provided by CSXT under scope of separate but concurrent contract/project with DRPT. Improvements are being coordinated with the Arkendale to Powell's Creek third track project being implemented by the DRPT and CSXT, of which Quantico Station Improvements is a sub-project.

**Project Funding**

This project is funded through a combination of Intercity Passenger Rail Operating and Capital (IPROC) and SMART SCALE grants through the Commonwealth of Virginia.

Schedule Information										
Phase	Start Date	Finish Date	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21	Jul-22	Jul-23
Development	1/15/2018	11/16/2018								
Property Acquisition	7/2/2018	10/20/2020								
Final Design	11/19/2018	1/29/2021								
Construction	2/1/2021	8/11/2023								

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State - IPROC	13,622,204									13,622,204
State - Smart Scale	4,600,045		5,150,700	600,112						10,350,857
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>18,222,249</b>		<b>5,150,700</b>	<b>600,112</b>						<b>23,973,061</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development										
Property Acquisition				250,000						250,000
Final Design	389,434	500,000	50,000	25,388						964,822
Construction		6,000,000	10,000,000	6,758,239						22,758,239
<b>Total Spending Plan</b>	<b>389,434</b>	<b>6,500,000</b>	<b>10,050,000</b>	<b>7,033,627</b>						<b>23,973,061</b>





**Project Name:**

Rolling Road Station Improvements

**Project ID:**

ST-17

**Program Name:**

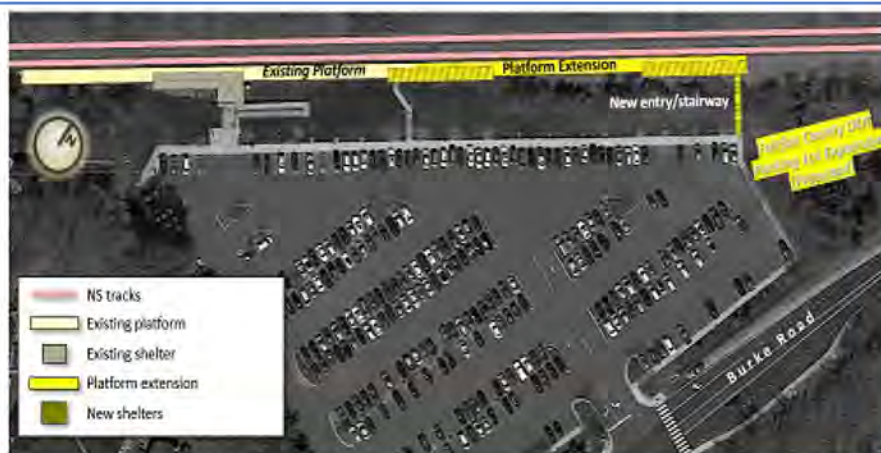
Passenger Station Facilities

**Project Type:**

Expansion

**Location:**

Fairfax County

**Project Description**

The Rolling Road Station currently has a platform which accommodates a five-car train set for boarding and detrain. This project provides for a 290-foot platform extension to accommodate an eight-car train set.

**Project Funding**

This project is funded with Federal CMAQ grants.

Schedule Information										
Phase	Start Date	Finish Date								
Development	5/13/2016	4/4/2017								
Property Acquisition	8/10/2018	8/13/2018								
Final Design	12/12/2016	1/8/2021								
Construction	1/11/2021	3/7/2022								

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - CMAQ/STP/RSTP	4,000,000									4,000,000
State - CMAQ/STP/RSTP Match	1,000,000									1,000,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>5,000,000</b>									<b>5,000,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	40,700									40,700
Property Acquisition										
Final Design	363,540	189,635								553,175
Construction	20,937	3,385,188	1,000,000							4,406,125
<b>Total Spending Plan</b>	<b>425,177</b>	<b>3,574,823</b>	<b>1,000,000</b>							<b>5,000,000</b>



**Project Name:**

Washington Union Station Improvements

**Project ID:**

ST-18

**Program Name:**

Passenger Station Facilities

**Project Type:**

Expansion

**Location:**

District of Columbia

**Project Description**

This project will fund track, signal, platform and passenger facility upgrades and realignments at Amtrak's Washington Union Terminal, in accordance with the Northeast Corridor Capital Investment Plan. Costs for the project will be allocated to the users of the terminal in accordance with the Northeast Corridor Commuter and Intercity Rail Cost Allocation Policy, which is still under discussion for capital improvements. VRE's allocated share of the project(s) has not been determined. Some priority projects may be carried out under an interim agreement with Amtrak.

**Project Funding**

This project is funded with federal formula grants (5307 and/or 5337) requiring a 20% local match.

Schedule Information												
Phase	Start Date	Finish Date										
WUS Projects (various)	7/1/2018	7/1/2026										

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	9,300,000	3,100,000	3,100,000	6,200,000	6,200,000	6,200,000				34,100,000
Federal State Match	5,100,000	1,700,000	1,700,000	3,400,000	3,400,000	3,400,000				18,700,000
VRE Local Match	600,000	200,000	200,000	400,000	400,000	400,000				2,200,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>15,000,000</b>	<b>5,000,000</b>	<b>5,000,000</b>	<b>10,000,000</b>	<b>10,000,000</b>	<b>10,000,000</b>				<b>55,000,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Amtrak Agreement	15,000,000	5,000,000	5,000,000	10,000,000	10,000,000	10,000,000				55,000,000
<b>Total Spending Plan</b>	<b>15,000,000</b>	<b>5,000,000</b>	<b>5,000,000</b>	<b>10,000,000</b>	<b>10,000,000</b>	<b>10,000,000</b>				<b>55,000,000</b>





**Project Name:****Manassas Station Improvements****Project ID:****ST-21****Program Name:****Passenger Station Facilities****Project Type:****Expansion****Location:****City of Manassas****Project Description**

This project includes the development, design, permitting and construction of an expansion to the south side (railroad east) platform at the VRE Manassas Station to serve full length trains and enhance pedestrian access.

**Project Funding**

This project is funded through the I-66 Outside the Beltway (OTB) Concessionaire Payment as part of the broader Manassas Line Capacity Expansion program.

Schedule Information							
Phase	Start Date	Finish Date	Jul-20	Jul-21	Jul-22	Jul-23	Jul-24
Development	12/7/2020	12/6/2021					
Property Acquisition	12/7/2021	12/7/2021					
Final Design	12/7/2021	12/6/2022					
Construction	12/7/2022	12/6/2024					

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
I-66 OTB Concession Payment	9,125,000									9,125,000
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>9,125,000</b>									<b>9,125,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development		121,000	100,000							221,000
Property Acquisition										
Final Design			250,000	300,000						550,000
Construction				4,177,000	4,177,000					8,354,000
<b>Total Spending Plan</b>		<b>121,000</b>	<b>350,000</b>	<b>4,477,000</b>	<b>4,177,000</b>					<b>9,125,000</b>





A photograph of a blue and white locomotive pulling a train through a forest. The locomotive is numbered V63 and features a red and white diamond logo. The train is moving along a track that curves through a dense green forest. The image is partially covered by a blue geometric pattern on the left side.

# Rolling Stock Equipment



**Project Name:**

Fleet Expansion Coaches - Manassas Line

**Project ID:**

RS-3

**Program Name:**

Rolling Stock

**Project Type:**

Expansion

**Location:**

N/A

**Project Description**

This project supports the purchase of ten (10) expansion coaches and a spare to facilitate near-term Manassas Line capacity expansion. Train lengths will be extended up to ten (10) cars in length, sized based on estimated demand. This project is contingent on the expansion of storage capacity at the Broad Run Maintenance and Storage Facility (MSF) and expansion of the Broad Run Station facilities.

**Project Funding**

This project is funded through the I-66 Outside the Beltway (OTB) Concessionaire Payment as part of the broader Manassas Line Capacity Expansion program.

Schedule Information													
Phase	Start Date	Finish Date											
10 Expansion Coaches	7/1/2018	7/1/2027											

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
I-66 OTB Concession Payment	28,120,000									28,120,000
Unfunded (To Be Determined)				9,910,744						9,910,744
<b>Total Funding</b>	<b>28,120,000</b>			<b>9,910,744</b>						<b>38,030,744</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
10 Expansion Coaches		3,803,074	2,662,152	12,169,838	15,212,298	3,232,613	190,154	760,615		38,030,744
<b>Total Spending Plan</b>		<b>3,803,074</b>	<b>2,662,152</b>	<b>12,169,838</b>	<b>15,212,298</b>	<b>3,232,613</b>	<b>190,154</b>	<b>760,615</b>		<b>38,030,744</b>



**Project Name:**

Fleet Expansion Coaches - Fredericksburg Line

**Project ID:**

RS-5

**Program Name:**

Rolling Stock

**Project Type:**

Expansion

**Location:**

N/A

**Project Description**

This project supports the purchase of eleven (11) expansion coaches and a spare to enable extending all Fredericksburg Line trains to eight (8) cars in length. This project is contingent on the Crossroads Storage Expansion (Short-term) project at the Crossroads Maintenance and Storage Facility (MSF).

**Project Funding**

This project is funded through the SMART SCALE program as part of the broader Fredericksburg Line Capacity Expansion program.

Schedule Information		
Phase	Start Date	Finish Date
Expansion Coach/Trailer Car (11)	7/1/2021	7/1/2027

	Jul-20	Jul-21	Jul-22	Jul-23	Jul-24	Jul-25	Jul-26	Jul-27
Expansion Coach/Trailer Car (11)								

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State - Smart Scale		10,677,000	15,855,000	7,762,442						34,294,442
Unfunded (To Be Determined)					7,539,376					7,539,376
<b>Total Funding</b>		<b>10,677,000</b>	<b>15,855,000</b>	<b>7,762,442</b>	<b>7,539,376</b>					<b>41,833,818</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Expansion Coach/Trailer Car (11)		4,183,382	2,928,367	13,386,822	16,733,527	3,555,875	209,169	836,676		41,833,818
<b>Total Spending Plan</b>		<b>4,183,382</b>	<b>2,928,367</b>	<b>13,386,822</b>	<b>16,733,527</b>	<b>3,555,875</b>	<b>209,169</b>	<b>836,676</b>		<b>41,833,818</b>





An aerial photograph of a station parking area. A large, multi-level parking garage is visible on the right side of the image. To its left is a smaller building with a blue roof and a small tower. A road with multiple lanes runs diagonally across the upper part of the image. A blue geometric overlay, consisting of a series of overlapping squares, covers the left side of the image. The text "Station Parking" is written in white serif font on the blue background.

# Station Parking



**Project Name:**

Leeland Road Parking Improvements

**Project ID:**

PK-3

**Program Name:**

Station Parking

**Project Type:**

Expansion

**Location:**

Stafford County

**Project Description**

This project will expand the surface parking lot at the Leeland Road station by approximately 225 spaces to accommodate future demand.

**Project Funding**

This project is funded through the SMART SCALE program as part of the broader Fredericksburg Line Capacity Expansion program.

Schedule Information							
Phase	Start Date	Finish Date	Jul-20	Jul-21	Jul-22	Jul-23	Jul-24
Development	12/1/2020	9/30/2021					
Property Acquisition	12/1/2020	12/1/2020					
Final Design	10/1/2021	7/8/2022					
Construction	7/11/2022	11/1/2024					

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State - Smart Scale	360,000		5,159,178							5,519,178
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>360,000</b>		<b>5,159,178</b>							<b>5,519,178</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development		100,000	150,000							250,000
Property Acquisition										
Final Design			300,000	250,000						550,000
Construction				2,359,589	2,359,589					4,719,178
<b>Total Spending Plan</b>		<b>100,000</b>	<b>450,000</b>	<b>2,609,589</b>	<b>2,359,589</b>					<b>5,519,178</b>



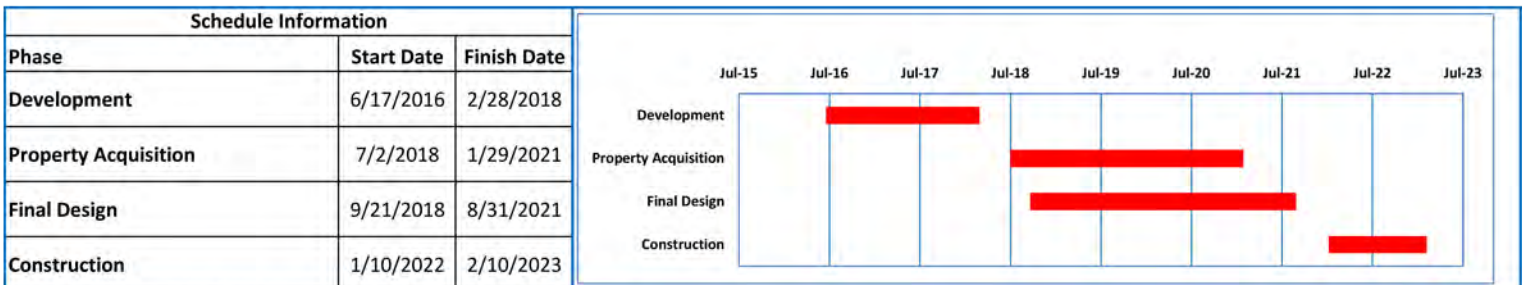


**Project Name:****Manassas Park Parking Expansion****Project ID:****PK-4****Program Name:****Station Parking****Project Type:****Expansion****Location:****City of Manassas Park****Project Description**

This project will add a parking facility (approximately 560 spaces) at the Manassas Park station to increase station parking capacity for VRE riders to 1,100 spaces. The facility has the potential to be shared with other private or public uses in the vicinity.

**Project Funding**

Project funding sources include NVTA and I-66 Concession grants as well as City of Manassas Park funds.



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
NVTA	2,500,000									2,500,000
I-66 OTB Concession Payment	23,483,000									23,483,000
City of Manassas Park		678,764								678,764
Unfunded (To Be Determined)				3,771,739						3,771,739
<b>Total Funding</b>	<b>25,983,000</b>	<b>678,764</b>		<b>3,771,739</b>						<b>30,433,503</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	610,000									610,000
Property Acquisition										
Final Design	203,415	2,417,059	203,029							2,823,503
Construction		8,500,000	16,500,000	2,000,000						27,000,000
<b>Total Spending Plan</b>	<b>813,415</b>	<b>10,917,059</b>	<b>16,703,029</b>	<b>2,000,000</b>						<b>30,433,503</b>







# Train Maintenance & Storage Facilities



**Project Name:**

Crossroads MSF - Storage Expansion - Short-term

**Project ID:**

MS-3

**Program Name:**

Train Maintenance and Storage Facilities

**Project Type:**

Expansion

**Location:**

Spotsylvania

**Project Description**

This project will construct storage tracks for overnight train storage at the Crossroads Maintenance and Storage Facility (MSF) needed to store the 11 expansion coaches being purchased for the Fredericksburg Line Capacity Expansion.

**Project Funding**

This project is funded through the SMART SCALE program as part of the broader Fredericksburg Line Capacity Expansion program.

Schedule Information			Jul-21	Jul-22	Jul-23	Jul-24
Phase	Start Date	Finish Date				
Development	7/6/2021	3/4/2022				
Property Acquisition	7/6/2021	7/6/2021				
Final Design	3/7/2022	3/15/2023				
Construction	3/16/2023	7/15/2024				

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State - Smart Scale			5,057,000	3,308,765						8,365,765
Unfunded (To Be Determined)										
<b>Total Funding</b>			<b>5,057,000</b>	<b>3,308,765</b>						<b>8,365,765</b>

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development			275,000							275,000
Property Acquisition										
Final Design			408,094	408,094						816,187
Construction				3,637,289	3,637,289					7,274,578
<b>Total Spending Plan</b>			<b>683,094</b>	<b>4,045,383</b>	<b>3,637,289</b>					<b>8,365,765</b>



**Project Name:**

L'Enfant Train Storage Track - South

**Project ID:**

MS-5

**Program Name:**

Train Maintenance and Storage Facilities

**Project Type:**

Expansion

**Location:**

District of Columbia

**Project Description**

This project includes the construction of wayside power units to provide standby power for two consists for midday storage on the existing stub-end siding.

**Project Funding**

This project is funded with federal 5307 formula grants requiring a 20% local match.

Schedule Information									
Phase	Start Date	Finish Date	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21	Jul-22	Jul-23
Development	9/26/2017	7/2/2018	■						
Property Acquisition	8/29/2019	3/10/2021			■	■			
Final Design	11/20/2018	8/28/2019		■					
Construction	3/11/2021	10/6/2023					■	■	■

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	3,172,000									3,172,000
Federal State Match	634,400									634,400
VRE Local Match	158,600									158,600
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>3,965,000</b>									<b>3,965,000</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development										
Property Acquisition										
Final Design	71,709	2,977		11,832						86,518
Construction	1,639,536	163		2,238,783						3,878,482
<b>Total Spending Plan</b>	<b>1,711,245</b>	<b>3,140</b>		<b>2,250,615</b>						<b>3,965,000</b>





**Project Name:**

Lifecycle Overhaul &amp; Upgrade (LOU) Facility

**Project ID:**

MS-6

**Program Name:**

Train Maintenance and Storage Facilities

**Project Type:**

Expansion

**Location:**

Spotsylvania County

**Project Description**

This project funds the design and construction of a rolling stock equipment maintenance facility in order to carry out those components of a life-cycle maintenance program that can be most efficiently accomplished at the VRE yards. New shop facilities will include overhead cranes, a wheel and axle drop table and wheel truing machine. The project will build two tracks on recently acquired adjacent property to accommodate the new facility.

**Project Funding**

Project is funded with federal formula grants and associated state and local match.

Schedule Information												
Phase	Start Date	Finish Date										
Development	6/15/2015	2/17/2017										
Property Acquisition	3/1/2017	10/24/2019										
Final Design	8/16/2018	12/7/2020										
Construction	12/1/2020	3/29/2023										

Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	36,461,190	2,480,000								38,941,190
Federal State Match	10,179,685	1,360,000								11,539,685
VRE Local Match	1,542,757	160,000								1,702,757
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>48,183,632</b>	<b>4,000,000</b>								<b>52,183,632</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	644,400									644,400
Property Acquisition										
Final Design	1,589,808	728,932	500,000	360,000						3,178,740
Construction		7,000,000	25,791,560	15,568,932						48,360,492
<b>Total Spending Plan</b>	<b>2,234,208</b>	<b>7,728,932</b>	<b>26,291,560</b>	<b>15,928,932</b>						<b>52,183,632</b>





**Project Name:****New York Avenue Midday Storage Facility****Project ID:****MS-7****Program Name:****Train Maintenance and Storage Facilities****Project Type:****Replacement and Rehabilitation****Location:****District of Columbia****Project Description**

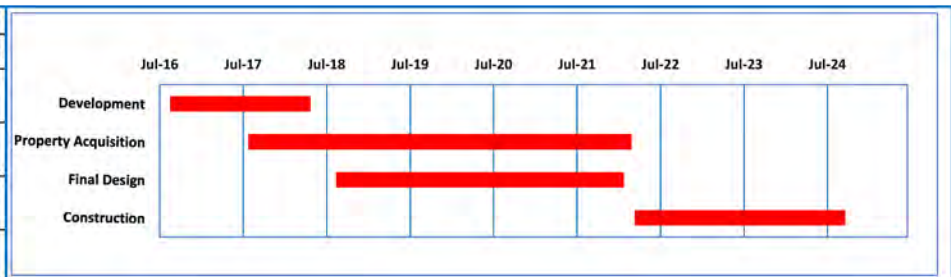
This project includes the design, permitting, property acquisition and construction for a midday storage facility parallel to New York Avenue in the District of Columbia to replace VRE's current storage at Amtrak's Ivy City Coach Yard. The new facility will replace the current coach yard and also add storage space for future expansion.

**Project Funding**

This project is funded with Federal formula grants and associated state and local match.

**Schedule Information**

Phase	Start Date	Finish Date
Development	8/16/2016	4/23/2018
Property Acquisition	7/24/2017	3/1/2022
Final Design	8/14/2018	1/26/2022
Construction	3/15/2022	9/23/2024



Project Schedule as of 12/2/2020

Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Federal - Formula Funds	40,669,975	11,045,465	7,851,725	2,040,070						61,607,235
Federal State Match	22,302,890	6,057,190	4,305,785	1,118,748						33,784,613
VRE Local Match	2,623,869	712,611	506,563	131,617						3,974,660
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>65,596,734</b>	<b>17,815,266</b>	<b>12,664,073</b>	<b>3,290,435</b>						<b>99,366,508</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Development	2,589,997	2,287,805								4,877,802
Property Acquisition		23,010,000								23,010,000
Final Design		3,478,706								3,478,706
Construction			13,760,000	54,240,000						68,000,000
<b>Total Spending Plan</b>	<b>2,589,997</b>	<b>28,776,511</b>	<b>13,760,000</b>	<b>54,240,000</b>						<b>99,366,508</b>











# Miscellaneous



**Project Name:**

Forklifts purchase

**Project ID:**

OT-4

**Program Name:**

Train Maintenance and Storage Facilities

**Project Type:**

New Installation

**Location:**

Prince William County

**Project Description**

The project provides funding for the purchase and delivery of 5 forklifts to VRE's Maintenance and Storage Facilities. The scope of work for this purchase includes delivery of one (1) large capacity forklift at each yard (Fredericksburg/Manassas, VA) to lift locomotive traction motor/wheel/axle combinations; one (1) medium capacity forklift at each yard to lift and move materials, tooling, and shop equipment; and one (1) at the Crossroads Warehouse to accommodate material movement needs.

**Project Funding**

This project is funded with VRE Capital Reserve funds.

**Schedule Information**

Phase	Start Date	Finish Date
Purchase and Delivery Forklifts	7/1/2019	12/31/2020
Maintenance Contract	7/1/2020	7/1/2024



Funding Source	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
VRE Capital Reserve	290,146									290,146
Unfunded (To Be Determined)										
<b>Total Funding</b>	<b>290,146</b>									<b>290,146</b>

Spending Plan By Phase	Life to Date	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Purchase and Delivery of 5 forklifts		264,146								264,146
Maintenance Contract		5,200	5,200	5,200	5,200	5,200				26,000
<b>Total Spending Plan</b>		<b>269,346</b>	<b>5,200</b>	<b>5,200</b>	<b>5,200</b>	<b>5,200</b>				<b>290,146</b>



## Future Projects and Projects Administered by Other Entities

In previous years, VRE included several major projects in the Capital Improvement Program (CIP) that were largely or entirely unfunded. These ‘future projects’ had been identified as important to VRE’s long-term service planning but generally were still in the conceptual stages of project design; did not have identified funding commitments or plans to apply for such funding; and in some cases were unlikely to be administered by VRE.

Beginning in FY 2020, VRE chose to remove these future projects from the formal six-year CIP and instead describe them separately. The decision to present these future projects separately does not mean the projects are not important; instead, it reflects that the projects are relatively undeveloped and are unlikely to be completed (or even substantially underway) during the six-year CIP period. As the projects move forward and as more reliable cost estimates are developed, they may be candidates to move into the formal six-year CIP in future budget years if VRE is identified as the lead entity responsible for project implementation.

The future projects that are important to VRE but not identified in the six-year CIP include:

- **Long Bridge Capacity Improvements:** The Long Bridge Project consists of improvements to the bridge corridor and related railroad infrastructure located between the RO Interlocking near Long Bridge Park in Arlington and the L’Enfant Interlocking near 10th Street SW in Washington, DC. The Long Bridge Corridor is owned and operated by CSX Transportation, but VRE and Amtrak passenger trains currently use the bridge in addition to CSXT freight. The purpose of the project is to provide additional long-term railroad capacity to improve the reliability of railroad service through the Long Bridge Corridor. Currently, there is insufficient capacity, resiliency, and redundancy to accommodate the projected demand in future rail services.
- In September 2020, DRPT and the District Department of Transportation announced the completion of the combined Final Environmental Impact Statement (EIS) and Record of Decision for Long Bridge. The preferred alternative for the Long Bridge Project has an estimated construction cost of \$1.9 billion. DRPT will take the lead on the design and construction of the project as part of the broader Transforming Rail in Virginia program, to which VRE is making a significant financial contribution using C-ROC funds.
- **Third Track Projects:** Previous VRE CIPs included various third track and bridge projects that would expand capacity along the CSX right-of-way south of Franconia-Springfield. These projects were identified by the waterways crossed by each section of third track (Aquia Creek, Potomac Creek, Powells Creek, Rappahannock River, Neabsco Creek, and Occoquan River). Going forward, this work will be





coordinated by DRPT as part of the Atlantic Gateway Project (for Franconia to Occoquan), the Washington DC to Richmond Segment (DC2RVA) of the FRA Southeast High-Speed Rail Corridor project, and the Transforming Rail in Virginia program.

- Fourth Track between RO (Rosslyn) and AF (Alexandria): As with the third track projects, this work will be coordinated by DRPT as part of other efforts in the corridor.
- Fredericksburg Station Expansion and Parking Structure: VRE had previously contemplated station expansion and a parking structure at Fredericksburg to accommodate future increased demand. However, this work will now be coordinated with the DRPT DC2RVA project.
- Long-term expansion investments: Following the completion of the Long Bridge expansion, the RO-to-AF fourth track project, and certain other capacity enhancement projects, VRE will need to consider additional investments to support additional service capacity, including increased peak-hour service frequency and the potential for reverse-commute, midday, and other expanded services. These investments would likely include expansion coaches and locomotives; expansion of the Crossroads and Broad Run storage yards; and track and signal improvements on the Manassas Line.

In addition to the future projects described above, the projects listed below are important to the VRE commuter rail service but are not listed in the CIP because they are funded and administered by other stakeholders.

- Potomac Shores Station: The Potomac Shores VRE station will be constructed by the Potomac Shores developer as part of an agreement with Prince William County. Station costs will be used as an in-kind match to a state REF grant for the construction of second platforms at the Brooke and Leeland Road stations.
- Rolling Road Parking Garage: Fairfax County is reviewing the potential construction of a 300-space parking garage at the Rolling Road VRE station.





**VIRGINIA RAILWAY EXPRESS**

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