



# Welcome to VDOT Fredericksburg District



# Fredericksburg District

## By the numbers

### People

**500,000 residents**  
*(approximately)*

### Ferry Service

**2 ferries**

Merry Point Ferry  
Sunnybank Ferry

### Employees

**534 people**

### Commuters *(2019)*

**42 percent in Fredericksburg area**  
**53 percent in Middle Peninsula**

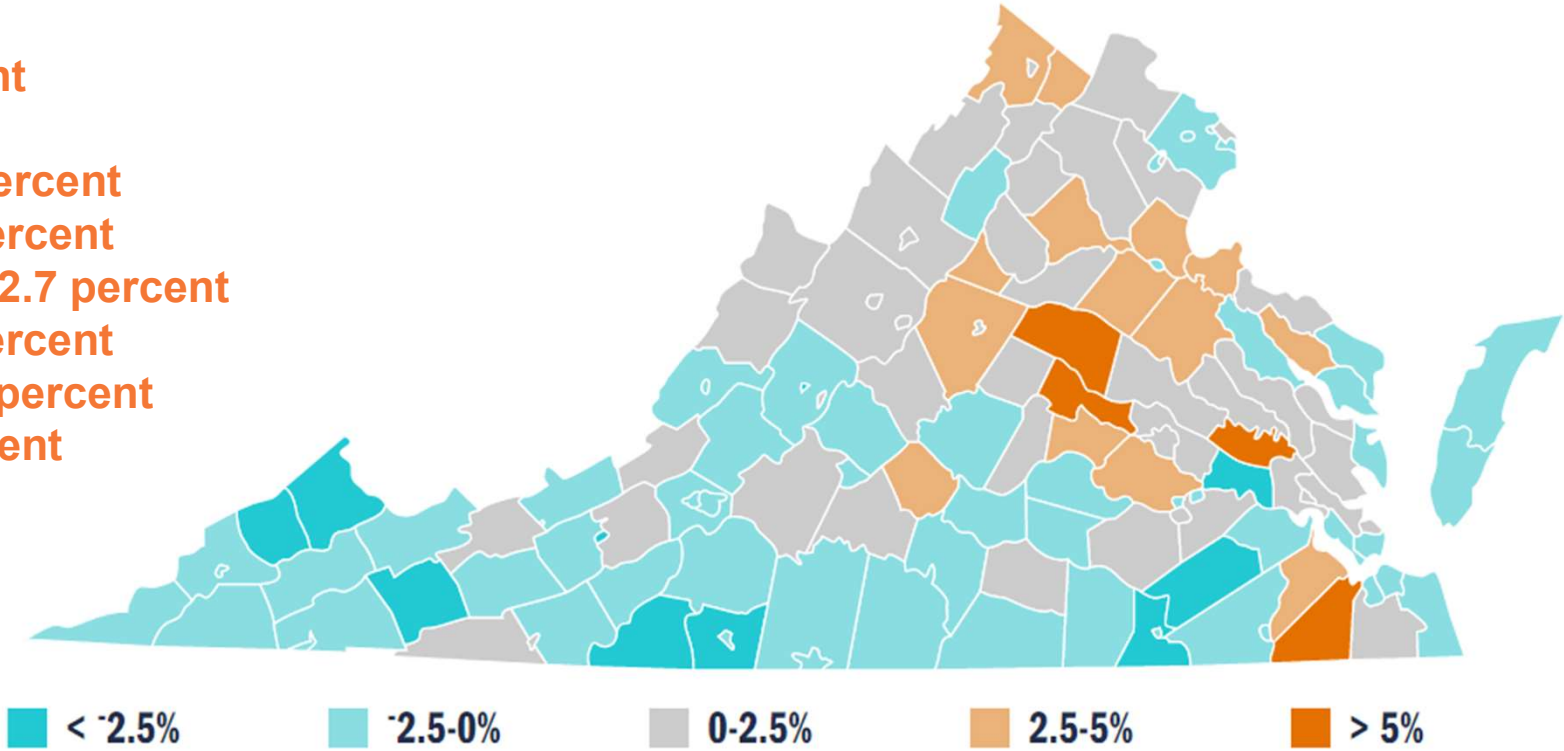


### Bridges

**800+ bridges**  
**2 movable structures**  
Eltham Bridge  
Gwynn's Island Bridge

# Fredericksburg District Population Growth 2020-2022

- Caroline: 4.7 percent
- Stafford: 4 percent
- Spotsylvania: 3.6 percent
- King George: 3.5 percent
- Richmond County: 2.7 percent
- King William: 1.7 percent
- Westmoreland: 1.5 percent
- Middlesex: 1.4 percent



Source: Graphic and data from the Weldon Cooper Center for Public Service, University of Virginia

# Fredericksburg: Top 25 Region for Teleworking

One of **3 regions** in top 25 nationally for teleworking with population under 1 million

**22 percent** of the region's workers teleworked in 2021

Traditional commuter traffic patterns and behavior in district may **remain in flux**

Source: Economic Innovation Group, 2022 Report

Washington, D.C.  
34 percent



Richmond  
23 percent



Baltimore  
22 percent



Fredericksburg  
22 percent



Commuting Zone	State	Population	Telework Share (%)
Washington DC	VA	5,856,703	34%
San Francisco	CA	5,282,784	33%
Austin	TX	2,163,846	32%
San Jose	CA	2,695,218	30%
Seattle	WA	4,761,492	29%
Raleigh	NC	2,140,546	29%
Portland	OR	2,337,654	28%
Denver	CO	3,210,001	28%
Charlotte	NC	2,113,674	27%
Portola	CA	25,390	27%
Minneapolis	MN	3,407,533	26%
Boston	MA	5,436,318	26%
Atlanta	GA	5,206,780	25%
Newark	NJ	6,167,133	24%
Phoenix	AZ	4,815,830	23%
Dallas	TX	4,846,134	23%
Richmond	VA	1,264,045	23%
Chicago	IL	8,533,933	23%
Philadelphia	PA	5,931,497	23%
New York City	NY	12,327,334	23%
Columbus	OH	2,066,145	22%
Baltimore	MD	2,747,101	22%
Wilmington	DE	656,457	22%
San Diego	CA	3,316,073	22%
Fredericksburg	VA	356,834	22%

# Current: I-95 Fredericksburg Area Improvements Timeline

2020

2021

2022

2023

2024

2025

I-95 Southbound Rappahannock River Crossing

*complete*



95 Express Lanes Fredericksburg Extension "Fred Ex"

I-95 Northbound Rappahannock River Crossing

Exit 126 Off-Ramp Widening, and  
Route 1 Southbound Widening



**We are here**



# Interstate 95 Projects Fredericksburg Area



Building a Better Ride

Major I-95 construction projects nearing finish line!



**95 Express Lanes Fredericksburg Extension**  
Completion in Late 2023  
Stafford County

# Interstate 95 Projects Fredericksburg Area



Building a Better Ride



**I-95 Northbound Rappahannock River  
Crossing**  
**Completion in May 2024**  
*Spotsylvania County, City of Fredericksburg  
and Stafford County*





**On the horizon ...**  
**Intense years ahead at Exit 126 (Spotsylvania) area**

# Agenda

## Project Development

**Michelle Shropshire, P.E., DBIA**  
District Project Development Engineer

## Maintenance

**Joyce McGowan**  
Assistant District Administrator for Maintenance

## Operations

**Michael A. Corwin, P.E.**  
District Traffic Operations Engineer

## Structure & Bridge

**Annette Adams, P.E.**  
District Structure and Bridge Engineer

## Construction

**Michael T. Coffey, P.E.**  
District Construction Engineer



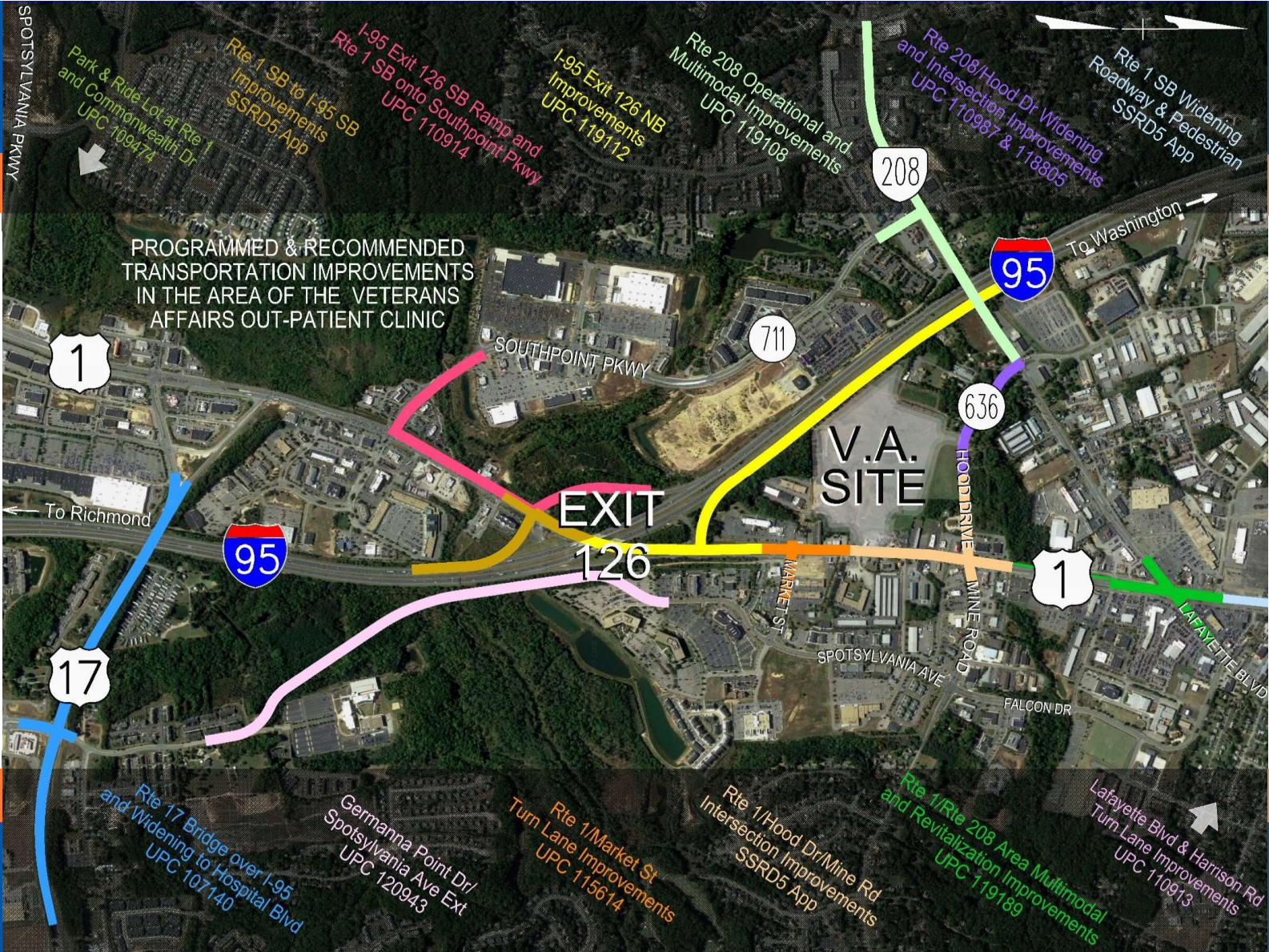
# **VTCA district dialogue 2023**

## **Fredericksburg Project**

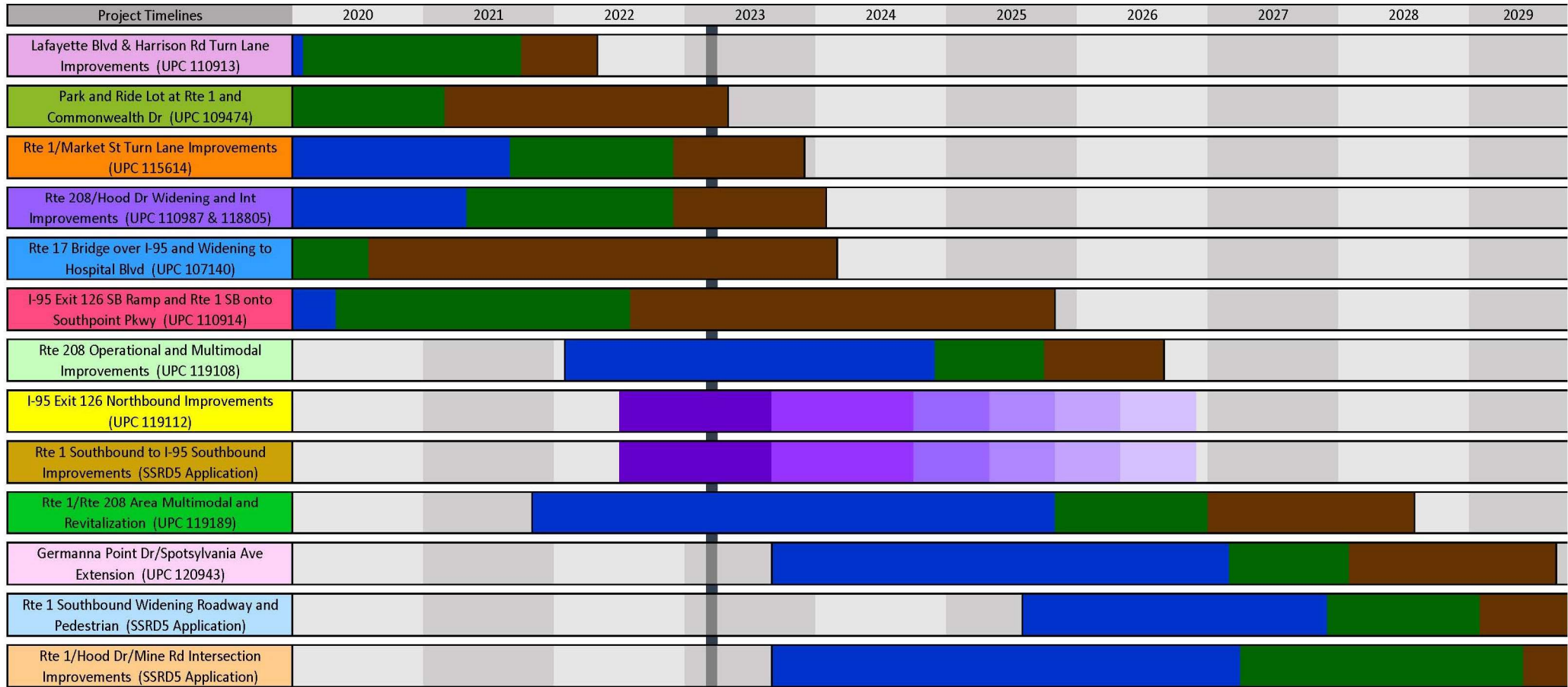
## **Development Program Updates**

**| Michelle Shropshire, P.E., DBIA**

*ADE - Project Development*

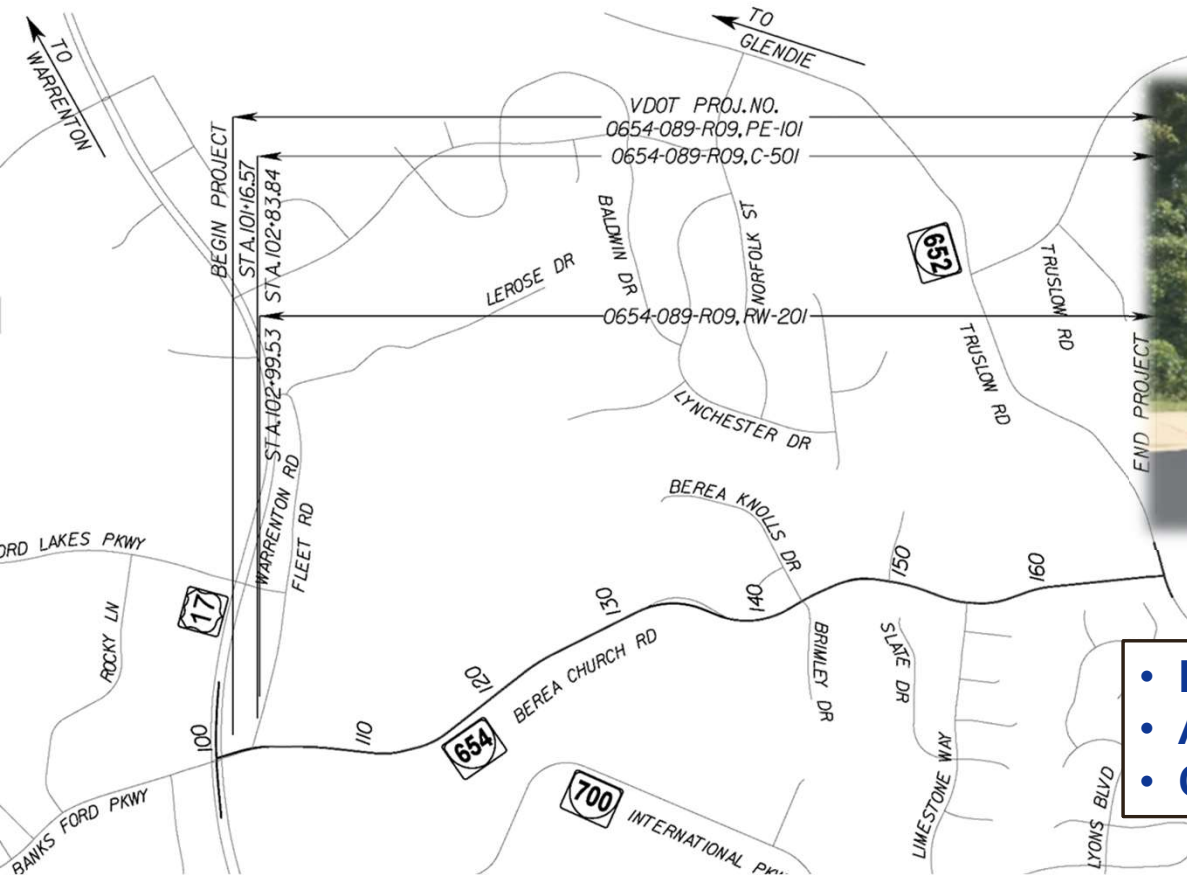


## Spotsylvania County/Veterans Affairs Clinic Support Projects



# UPCOMING ADVERTISEMENTS

## Route 654 - Berea Church Road - Reconstruction

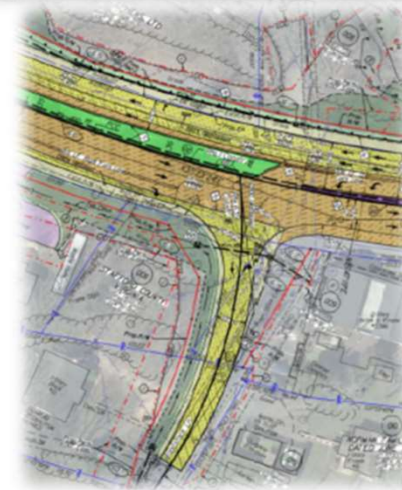
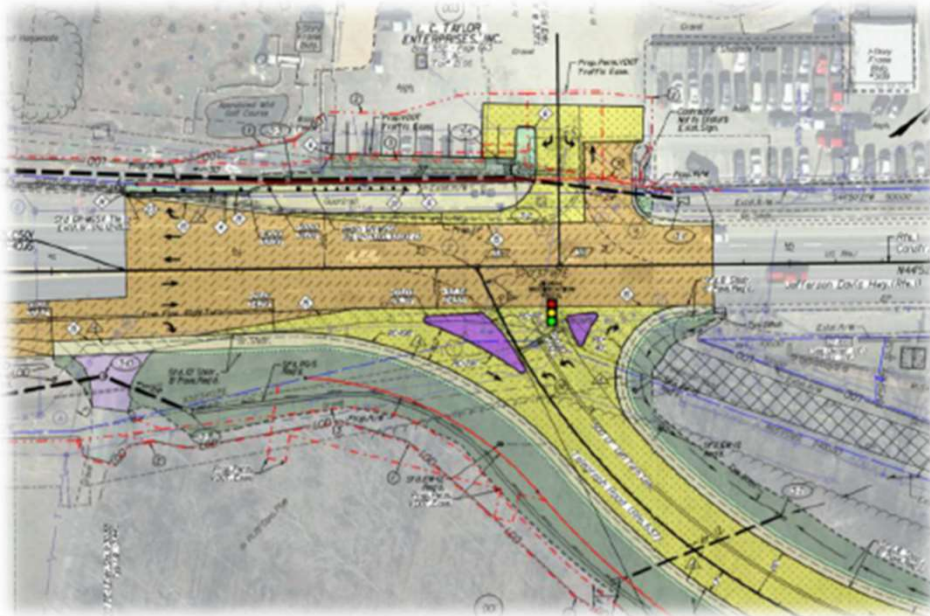
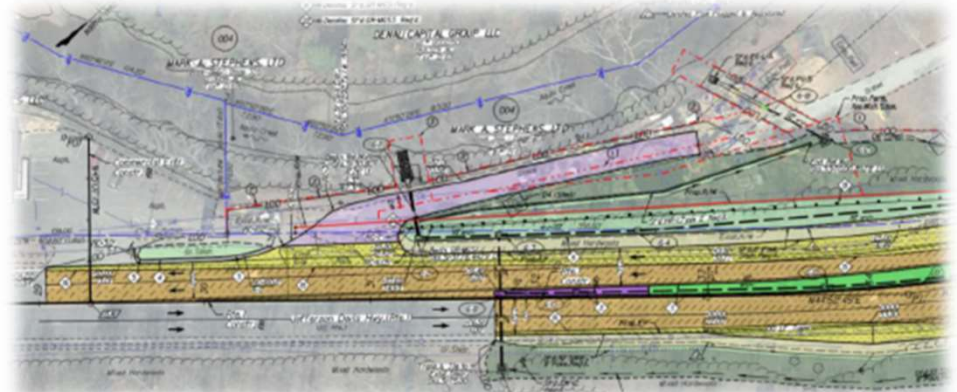


- Locally Administered - Stafford County
- Advertisement – June 2023
- CN Budget – \$10.4 million

# UPCOMING ADVERTISEMENTS

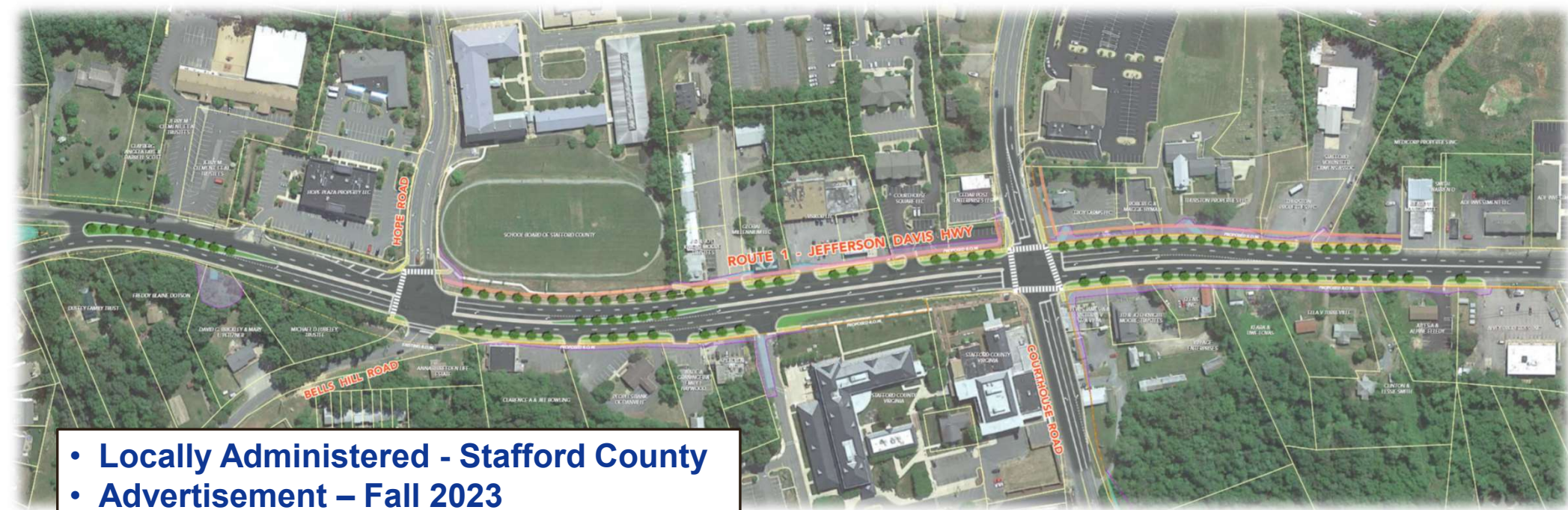
## Route 1 / Telegraph/ Woodstock Safety Improvements

- Locally Administered - Stafford County
- Advertisement – July 2023
- CN Budget – \$8.2 million



# UPCOMING ADVERTISEMENTS

## Route 1 / Route 630 Area Corridor Improvements



- Locally Administered - Stafford County
- Advertisement – Fall 2023
- CN Budget – \$12.8 million



## **UPCOMING ADVERTISEMENTS**

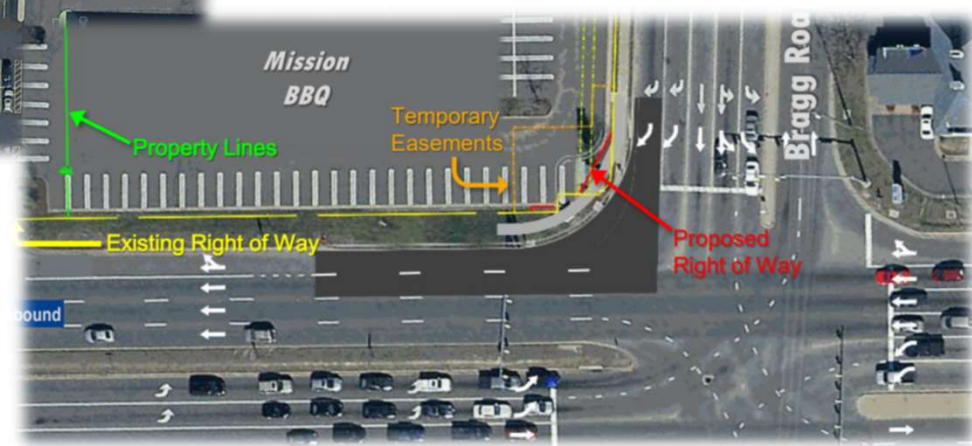
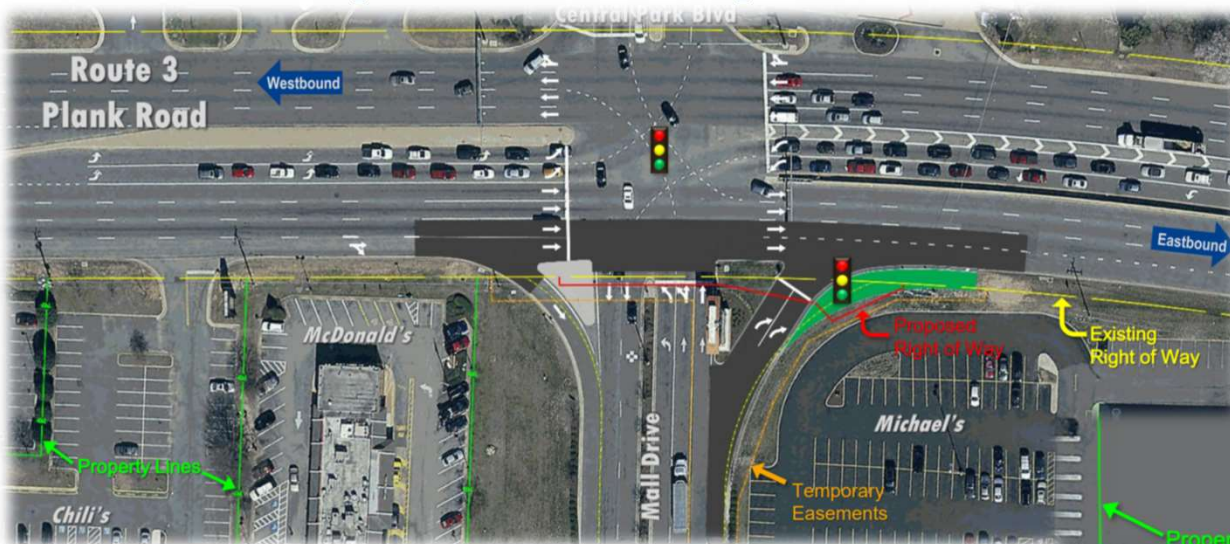
### **Bridge Replacement, Route 1 over Chopawamsic Creek**



- **Advertisement – November 2023**
- **CN Budget – \$8.3 million**

# UPCOMING ADVERTISEMENTS

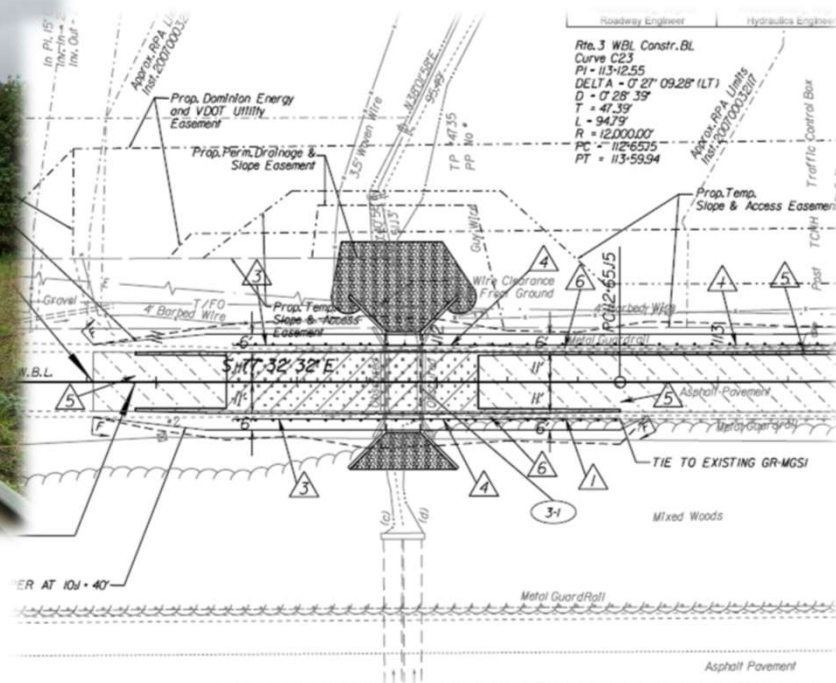
## Route 3 Operational Improvements



- Advertisement – October 2023
- CN Budget – \$3.1 million

# UPCOMING ADVERTISEMENTS

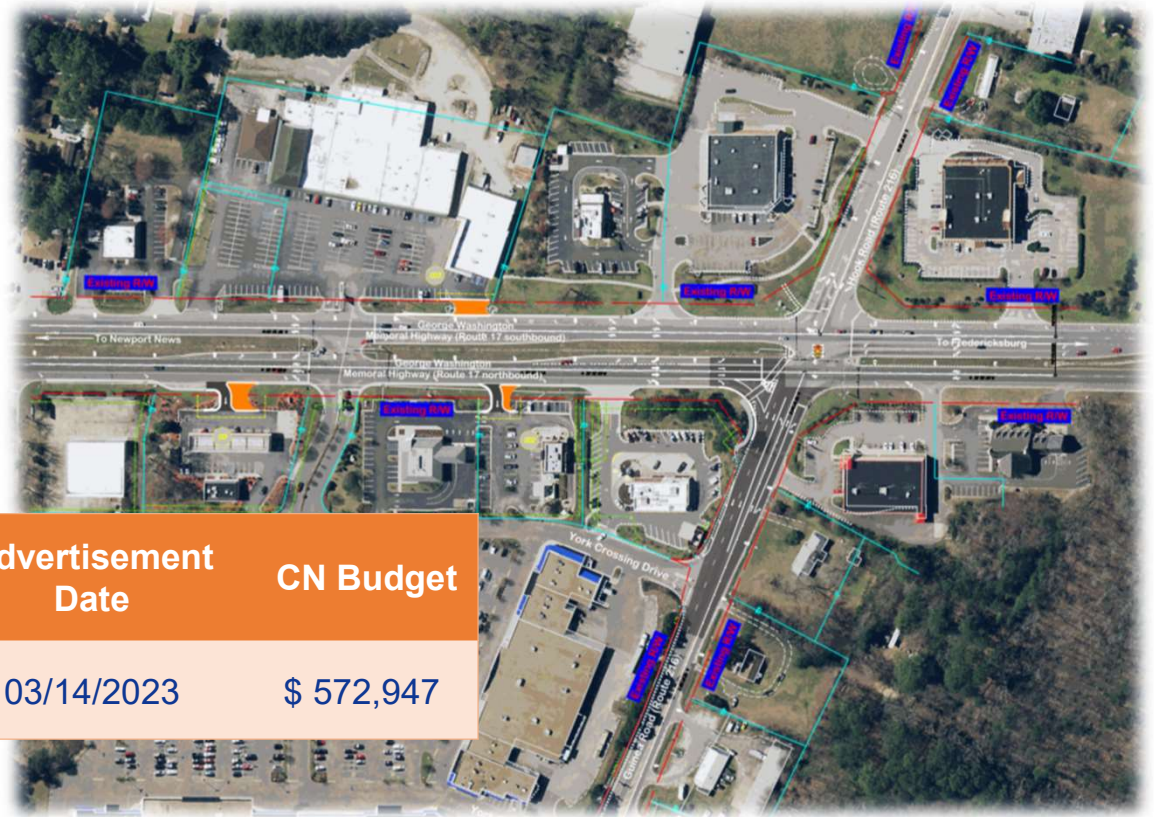
## Bridge Replacement, Route 3 over Lick Run



- Advertisement – October 2023
- CN Budget – \$3.7 million

# UPCOMING ADVERTISEMENTS

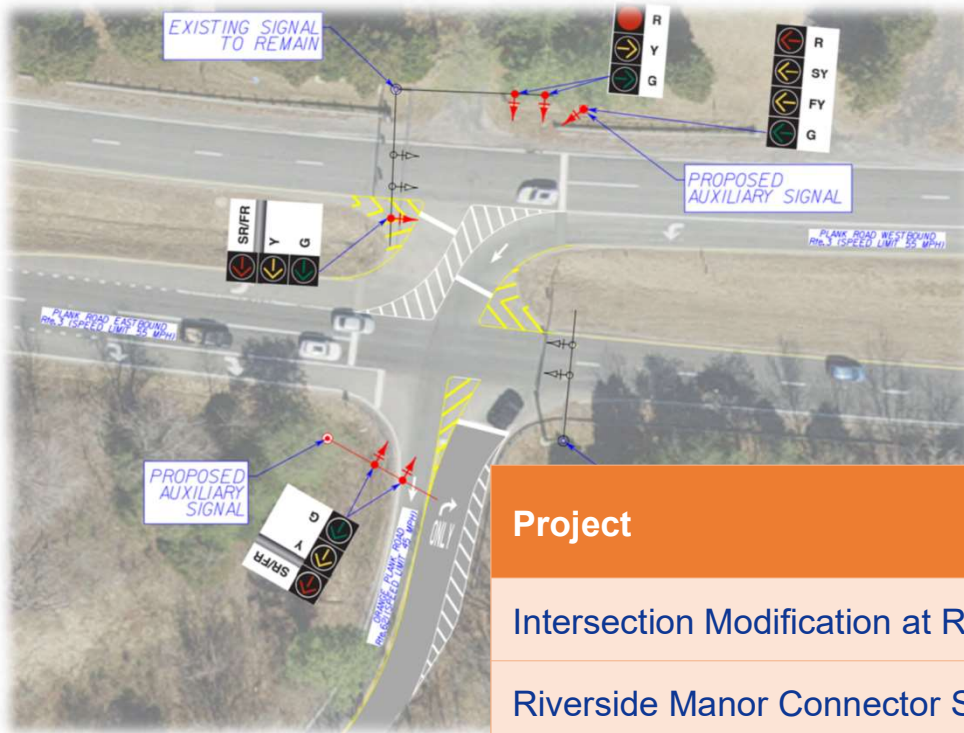
## Saluda Residency



Project	Advertisement Date	CN Budget
Intersection Improvements at Route 17/216	03/14/2023	\$ 572,947

# UPCOMING ADVERTISEMENTS

## Fredericksburg Residency



Project	Advertisement Date	CN Budget
Intersection Modification at Routes 3 & 621	2/7/23	\$ 145,787
Riverside Manor Connector Sidewalks	5/25/23	\$ 275,050
Intersection Improvement at Routes 635 & 1035	12/13/23	\$ 684,554

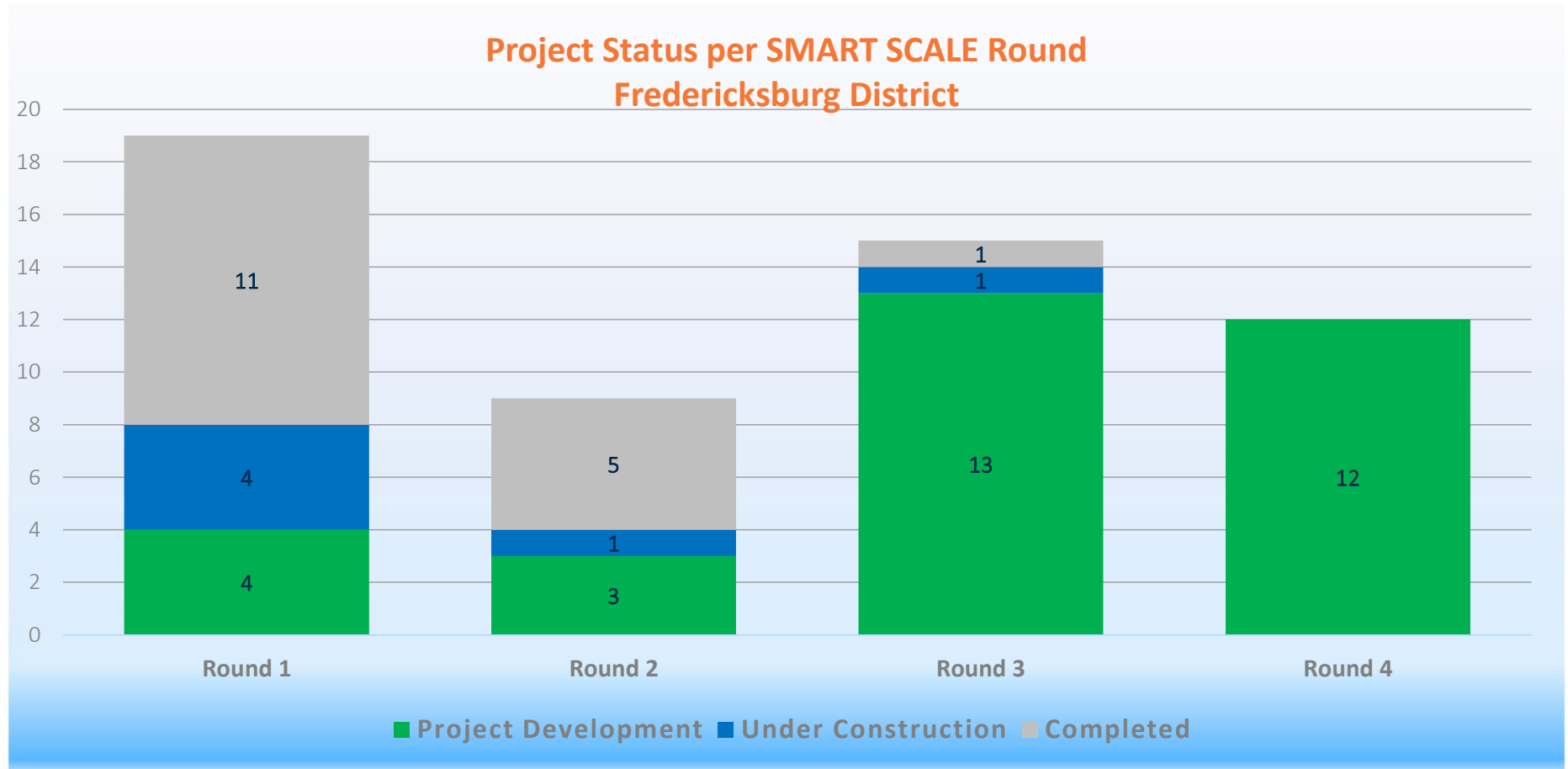
# **PROJECT UPDATE**

## **Nice/Middleton Bridge**



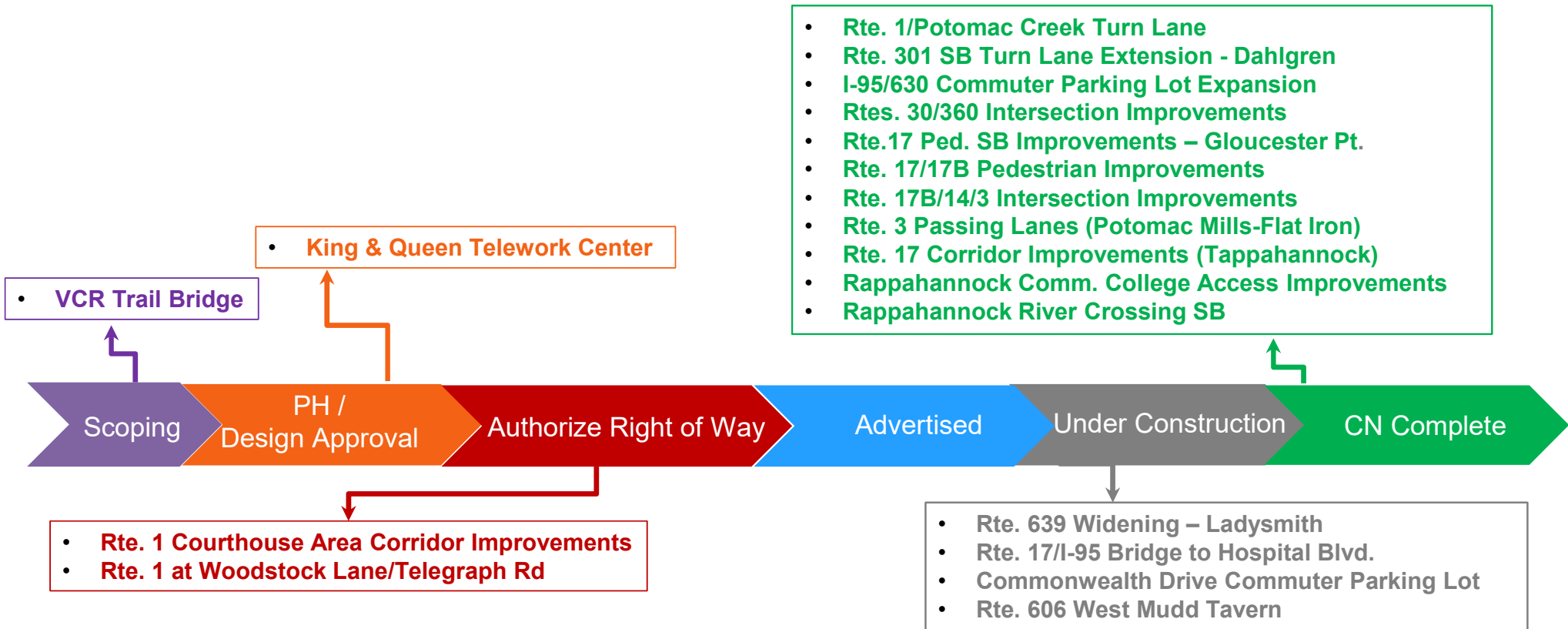
# FREDERICKSBURG DISTRICT

## SMART SCALE Summary



# FREDERICKSBURG DISTRICT

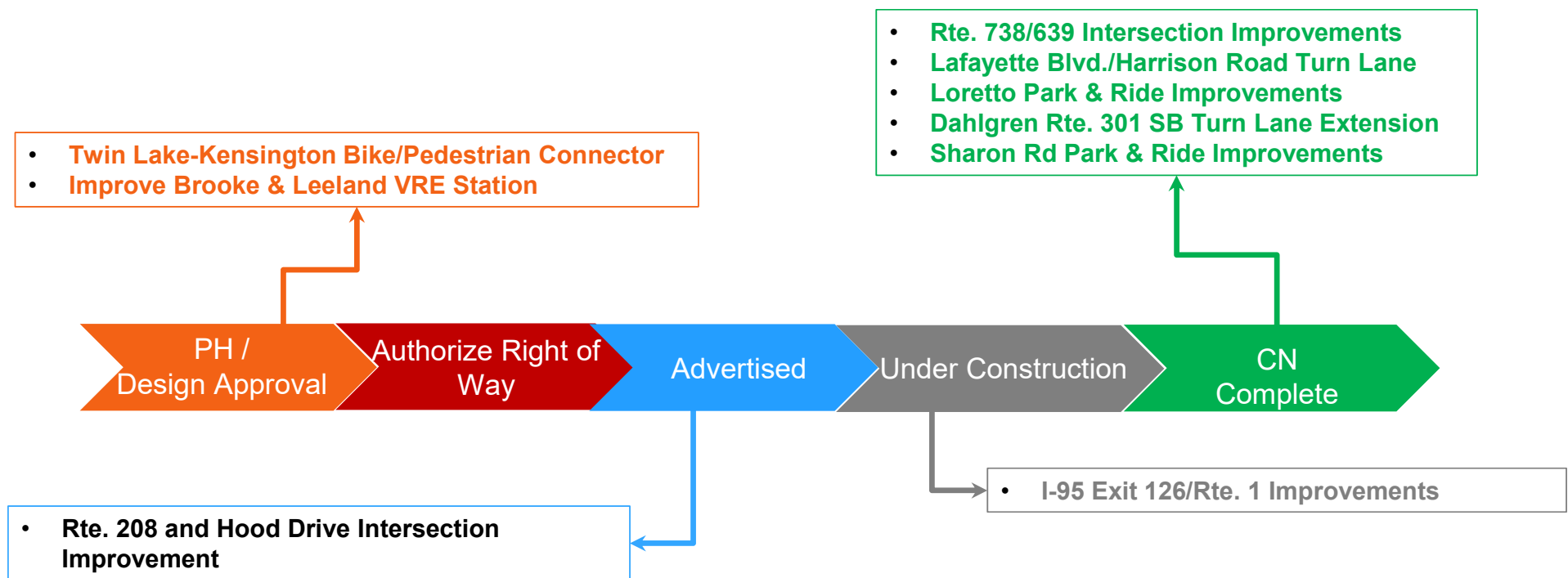
## Round 1 SMART SCALE Projects





# FREDERICKSBURG DISTRICT

## Round 2 SMART SCALE Projects



# FREDERICKSBURG DISTRICT

## Round 3 SMART SCALE Projects



- 2023 - Fred Transit – Shelters and Benches  
2024
- Bike/Ped Improvements on Rte. 17B/Main St.
  - Intersection Improvements at Stefangia/Mountain View

- Rte. 1/Enon Rd. Intersection & Roadway Imp
- Rte. 301/University Dr./Market Ctr. Double R-Cut
- Dixon St./Lansdowne Road Intersection Improvements
- Rte. 301/Rte. 3 Median U-Turn Intersection
- Lafayette Blvd/Kenmore Ave/Charles St. Roundabouts
- Rte. 3 STARS Study & I-95 Off-Ramp Improvements
- Harrison Rd. & Salem Church

- Rte. 1/Fall Hill Ave. Intersection Improvements
- Kilmarnock Right Turn Lane

- Rte. 206/218 Right Turn Lane

- Rte. 360/619 Intersection Improvements

- Rte. 624 – Expanded Turn Lane for Flat Iron Rd



# FREDERICKSBURG DISTRICT

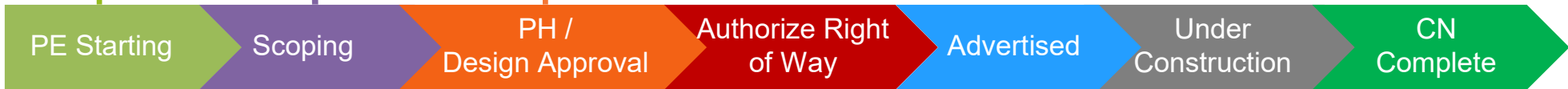
## Round 4 SMART SCALE Projects



2025 - US 301 / Chase Street Intersection

- Rte. 648 Shelton Shop Road Improvements
- Lafayette Blvd Multimodal Improvements
- Intersection Improvements at Rte. 3 / Rte. 605
- Rte. 208 Operational & Multimodal Improvements
- Route 2/17 Widening from City Line to Shannon Airport
- I-95 Exit 126 STARS Study Improvements
- US-17 Business STARS Study Improvements
- US Rte. 1 – Augustine Avenue Intersection
- Idlewild to VCR Trail Connector
- Rte. 1/208 Area Multimodal & Revitalization

• Route 360/624 Intersection Improvements

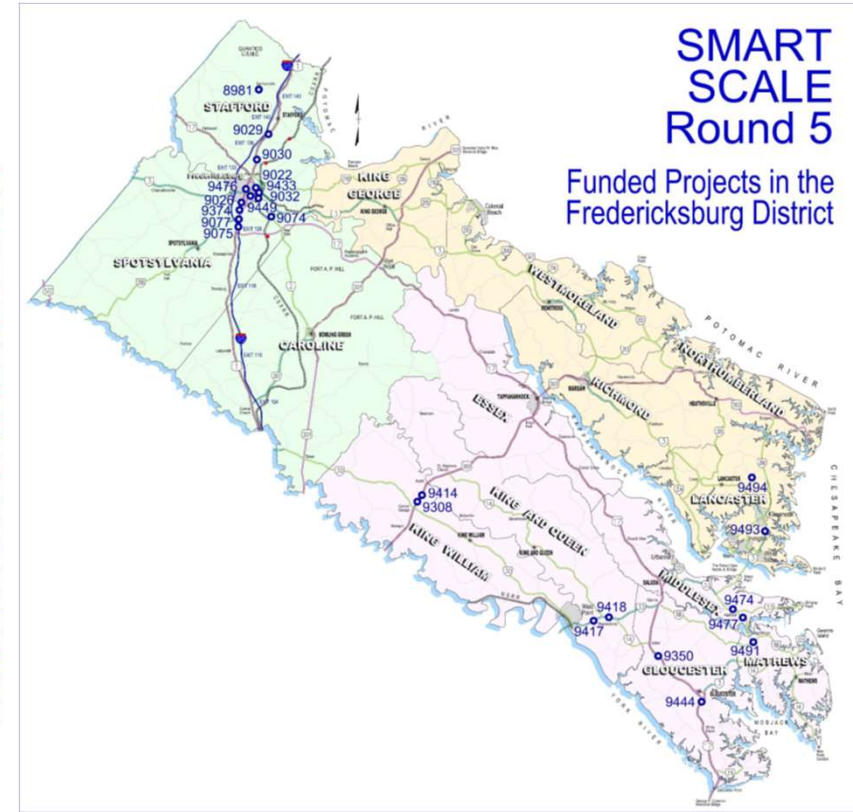


# FREDERICKSBURG DISTRICT

## Round 5 SMART SCALE Projects



App#	Applicant	Description	Type	District Grant High Priority	VTrans Need	Proj Benefit Score	Cost Benefit Score	Total Cost Estimate	SMART SCALE REQUEST
1	MPPDC	Rte 17-Woods Cross Rd-Davenport Rd RCUT	Highway	x	CoSS, RN	12.95	32.08	\$4,037,924	\$4,037,924
2	King & Queen Co	Rte 33 / Rte 768 (Centerville Rd) RCUT	Highway	x	Safety	4.50	12.73	\$3,536,148	\$3,536,148
3	King & Queen Co	Rte 33 / Rte 605 (Chain Ferry Rd-York River Rd) EB RTL & CWS	Highway	x	Safety	2.76	11.14	\$2,474,138	\$2,474,138
4	Fredericksburg City	Express Commuter Transit Service to Dahlgren	Bus/Transit	x	RN, UDA	4.15	10.11	\$4,108,075	\$4,108,075
5	Fredericksburg City	Dixon Park Connector - Multimodal Improvements	Bike/Ped	x	RN, UDA	7.98	8.55	\$9,337,209	\$9,337,209
6	Spotsylvania Co	US 1 / Hood Drive / Mine Road Roadway and Ped Improvements	Highway	x	CoSS, RN, Safety	10.11	7.86	\$30,862,010	\$12,862,010
7	Gloucester Co	Rte 17/Main St Intersection Modifications	Highway	x	CoSS, RN	2.06	7.63	\$2,704,253	\$2,704,253
8	GWRC	US 1-Layhill Road Roadway and Ped Improvements	Highway	x	CoSS, RN	4.50	6.47	\$14,314,055	\$6,964,521
9	FAMPO	VCR Regional Project - Multimodal Improvements	Bike/Ped	x	RN	9.54	5.75	\$16,923,891	\$16,598,891
10	King William Co	Rte 360-Rte 611 (Venter Rd-Walnut Ln) Roadway Improvements	Highway	x	UDA, Safety	2.22	5.40	\$4,115,656	\$4,115,656
11	Spotsylvania Co	US 1 and I-95 Improvements at Exit 126	Highway	x	CoSS, RN, Safety	3.30	5.36	\$9,699,461	\$6,161,309
12	Middlesex Co	Rte 3 (Twigg's Ferry Rd)-Rte 630 (Stampers Bay Rd) Roundabout	Highway	x	Safety	3.39	5.02	\$6,755,697	\$6,755,697
13	Mathews Co	Rte 3 (Twigg's Ferry Rd)-Rte 198 (Buckley Hall Rd) Roundabout	Highway	x	Safety	3.54	4.53	\$7,816,672	\$7,816,672
14	Spotsylvania Co	Rte 1SB Widening Roadway and Ped Improvement	Highway	x	CoSS, RN, Safety	3.98	4.46	\$8,929,699	\$8,929,699
15	King William Co	Rte 360-Rte 647 (Mill Rd) Roadway Improvements	Highway	x	Safety	0.85	4.38	\$1,929,466	\$1,929,466
16	Lancaster Co	Rte 615-Rte 605 Roadway Improvements	Highway	x	Safety	1.37	4.26	\$3,221,596	\$3,221,596
17	9032 GWRC	Dixon Street (US 17 Bus) near Dixon Park - Roadway and	Highway	x	CoSS	2.64	4.10	\$6,434,208	\$6,434,208
18	9026 FAMPO	US 1 Shared-Use Path: Lassen Lane to Kings Mill Dr	Bike/Ped	x	CoSS, RN	5.73	4.04	\$14,187,435	\$14,187,435
19	9493 Lancaster Co	Rte 3-Rte 1036 (Harris Rd) Roadway Improvements (Turn Lanes)	Highway	x	Safety	1.20	3.96	\$3,040,355	\$3,040,355
20	9449 Fredericksburg City	Lafayette Blvd-Rte 3 Roadway Improvements	Highway	x	All 4	2.89	3.75	\$7,725,756	\$7,725,756
21	9029 GWRC	US 1/American Legion Road/Eskimo Hill Road Rdwy	Highway	x	CoSS, RN	1.40	3.45	\$4,069,554	\$4,069,554
22	9074 Spotsylvania Co	US 17B (Tidewater Tr) / Rte 608 (Benchmark Rd) Rdwy-	Highway	x	CoSS, RN, Safety	3.32	3.12	\$20,656,974	\$10,656,974
23	9474 Middlesex Co	Rte 33-Regent Road Roadway Improvements (Turn Lanes)	Highway	x	Safety	1.32	3.08	\$4,267,877	\$4,267,877
24	8981 Stafford Co	Garrisonville Rd Widening Shelton Shop to Eustace with	Highway	x	Safety	11.75	2.94	\$78,002,312	\$39,888,386
<b>Totals</b>								<b>\$269,150,421</b>	<b>\$191,823,809</b>



# **FREDERICKSBURG DISTRICT**

## **Opportunities & Challenges**

- **Improving program delivery**
  - **Emphasis on the locally administered program**
- **“Next Gen” project development cost estimating**
  - **Incorporating new practices/protocols**
- **Supporting a dynamic program**
  - **3D modeling, new regulations, workforce adaptations**



# UPCOMING OPPORTUNITIES

## Design-Build Bridge Bundle



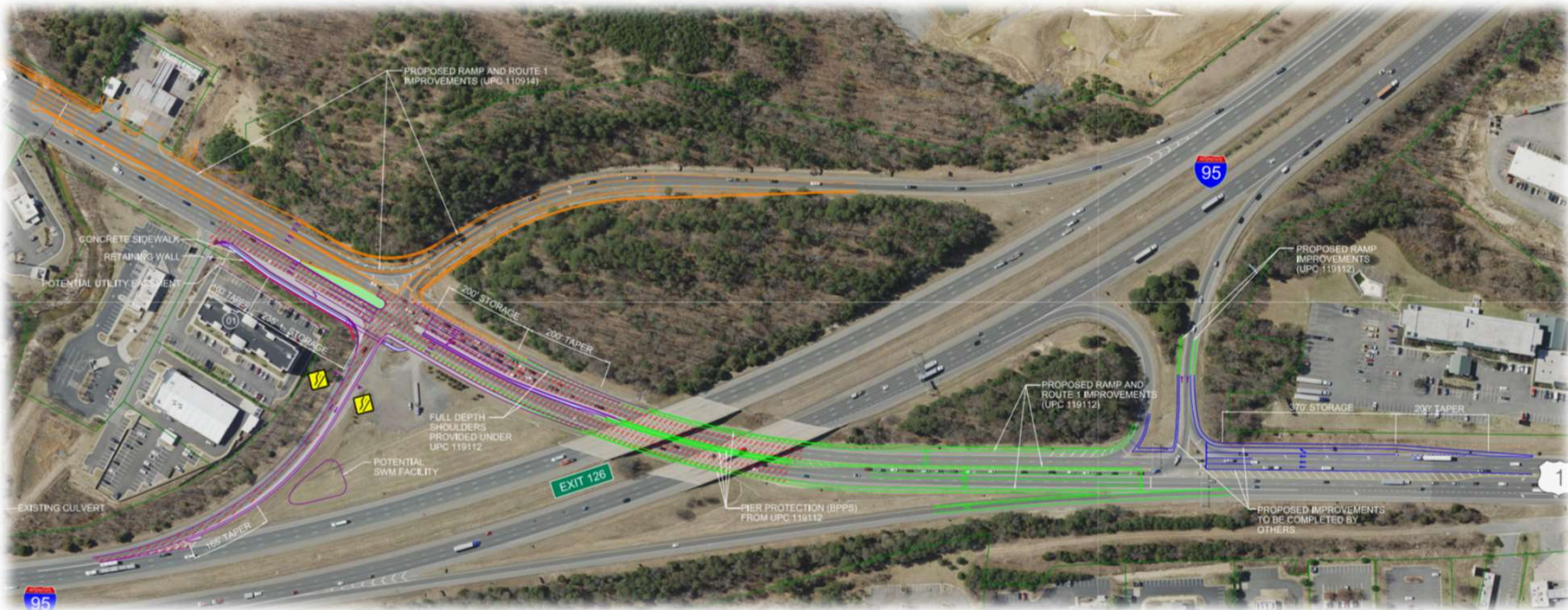
- **4 Structures**
  - Route 17 over Dragon Run
  - Route 207 over Mattaponi
  - Route 614 over Exol Swamp
  - Route 695 over Oyster Creek
- **RFQ - June 2023**
- **RFP – Fall 2023**



# UPCOMING OPPORTUNITIES

## Exit 126 Design-Build

- RFQ – Summer/Fall 2023
- RFP – 2024







# **VTCA DISTRICT DIALOGUE 2023**

**Joyce McGowan**

***ADA - MAINTENANCE***

# FREDERICKSBURG DISTRICT MAINTENANCE



# ***FREDERICKSBURG DISTRICT - MAINTENANCE***

- **Comprised of Fourteen Counties**
- **11,926 Lane Miles**
- **Divided Between Three Residencies & Interstate Maintenance Office**
  - **Fredericksburg Residency – 39.27% of Total Lane Miles**
  - **Saluda Residency – 32.37% of Total Lane Miles**
  - **Northern Neck Residency – 28.35% of of Total Lane Miles**
  - **I-95 in Caroline, Spotsylvania and Stafford Counties**

## ***FREDERICKSBURG DISTRICT - MAINTENANCE***

- **Interstate System, 281 lane miles**
  - 85% of lane miles are composite structures (asphalt over concrete)
  - 15% of lane miles are full depth asphalt structures
  - Existing surfaces consist of SMA, 12.5E and THMACO
- **Primary System, 2,190 lane miles**
  - 90% of lane miles are composite and 10% flexible structures
  - 82% of lane miles are asphalt structures, 18% non-plant mix
- **Secondary System, 9,454 lane miles**
  - 95% of lane miles are treated, 5% are gravel
  - 29% of lane miles are asphalt structures, 66% are non-plant mx

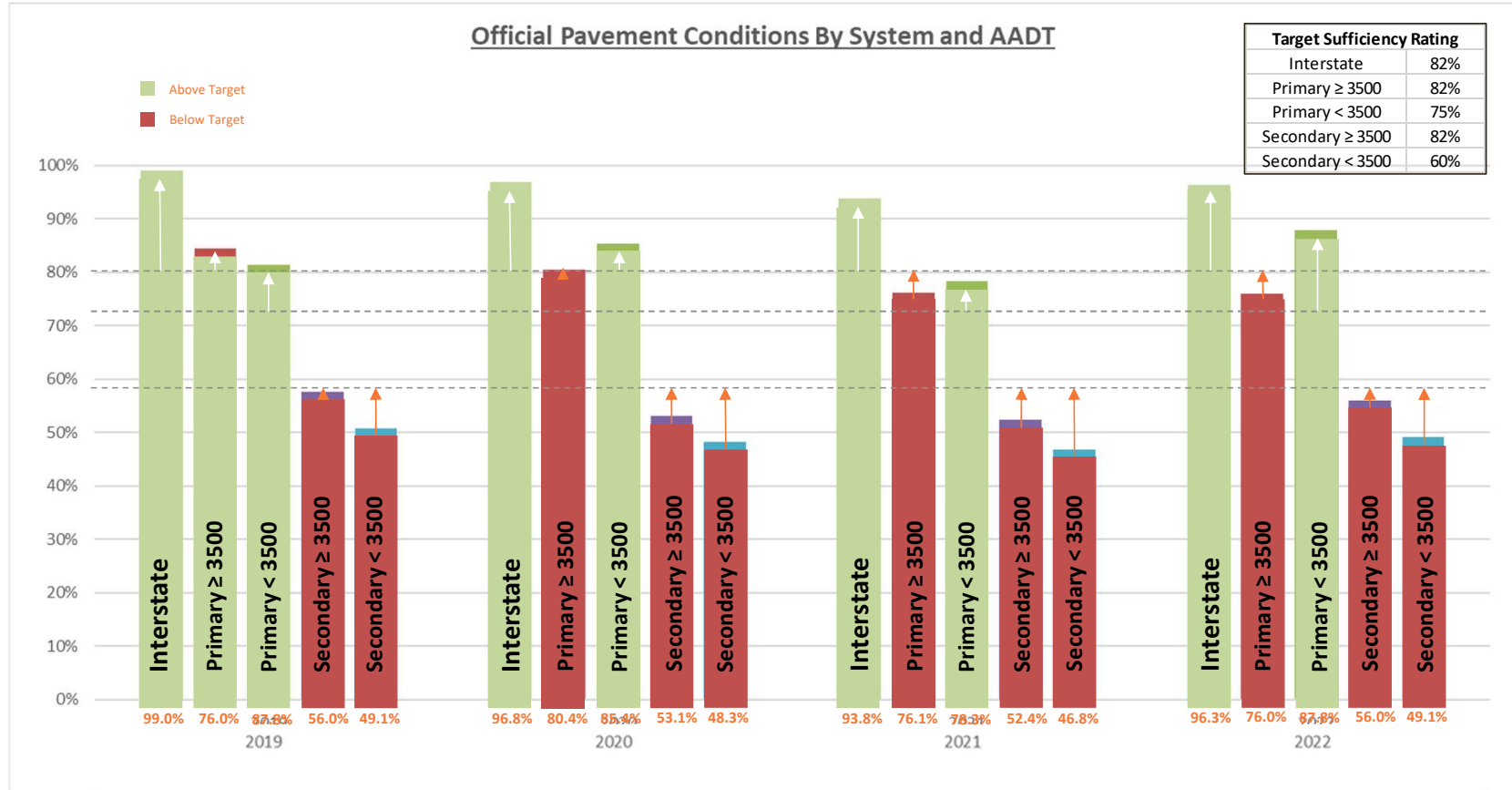
# ***FREDERICKSBURG DISTRICT - MAINTENANCE***

## **MAINTENANCE AREAS OF RESPONSIBILITY – WHAT WE DO**

- **MAINTENANCE BUDGET**
- **STRUCTURE AND BRIDGE**
  - **Projects for construction, maintenance and special structures**
  - **Inspection**
  - **Maintenance**
  - **Preventative and Rehabilitative**
  - **EQUIPMENT**
- **INFRASTRUCTURE**
  - **Pavement Management**
  - **Roadside**
  - **Contracts**
  - **Interstate Maintenance and Snow Removal**

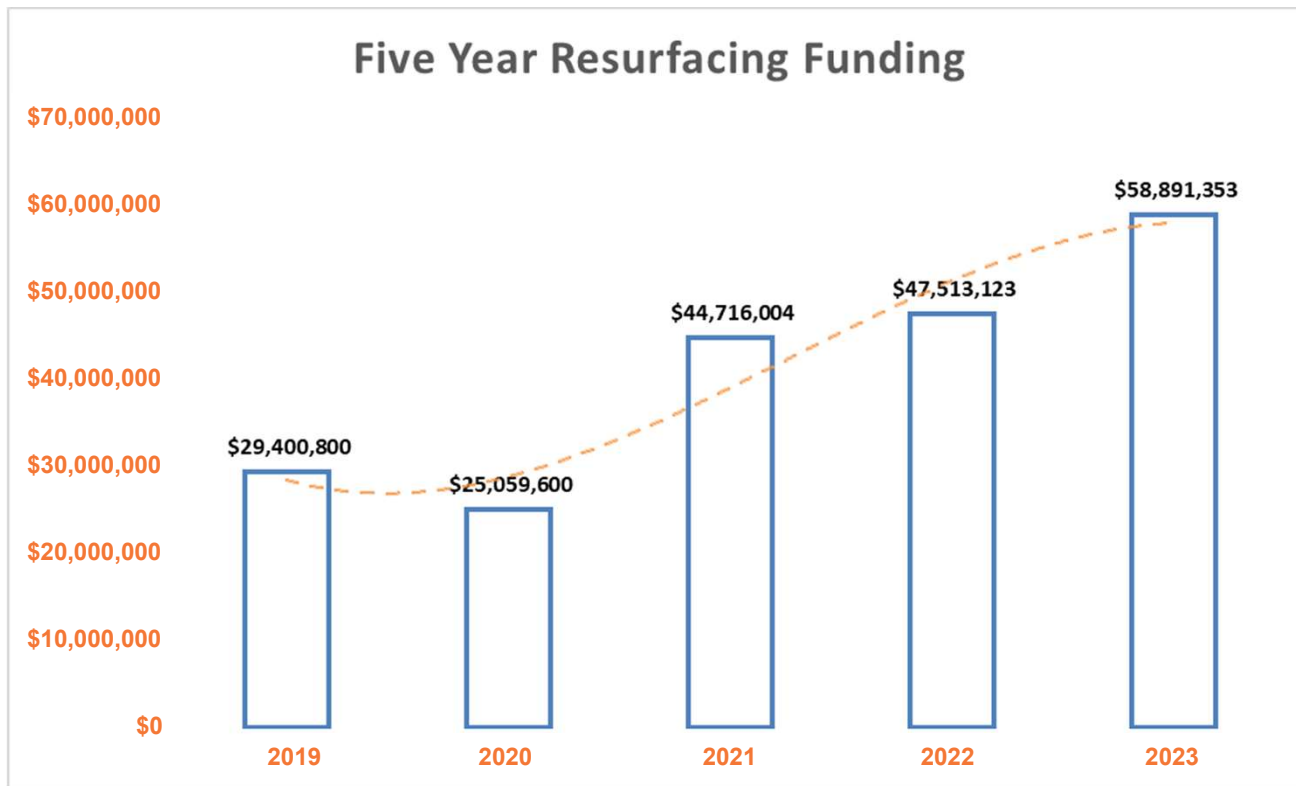
# FREDERICKSBURG DISTRICT - MAINTENANCE

## Fredericksburg District's Pavement Conditions – Tiered Approach Metrics



# FREDERICKSBURG DISTRICT - MAINTENANCE

## Resurfacing Funding Trend



# **FREDERICKSBURG DISTRICT - MAINTENANCE**

## **2023 Fredericksburg District Resurfacing Planned Contracts**

<b>Treatment</b>	<b># of Contracts</b>	<b>Approximate Quantities</b>	<b>Approx. Contract Value</b>
Plant Mix*	13	275,000 Tons	\$34,800,000
THMACO	3	22,000 Tons	\$5,250,000
Slurry Seal	1	694,000 SY	\$2,970,000
Latex	1	2,000 Tons	\$1,420,000
Surface Treatment	3	2,500,000 SY	\$7,000,000
<b>Total</b>	<b>21</b>		<b>\$51.5 M</b>

**\*36,000 tons planned for BMD mix  
(Asphalt Concrete BMD P+VO)**

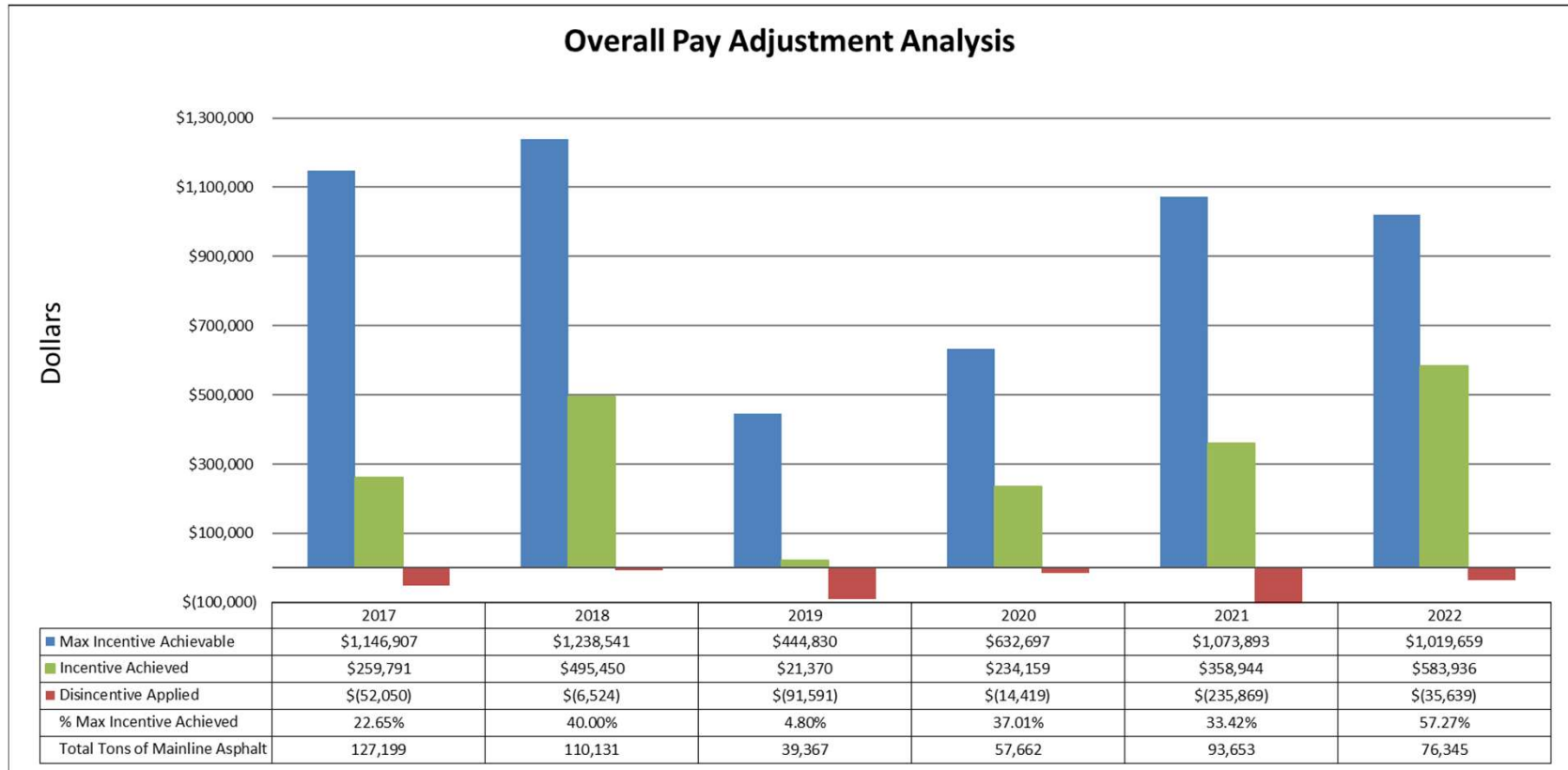


# ***FREDERICKSBURG DISTRICT - MAINTENANCE***

- **FDR (Full Depth Reclamation)**
  - 2023 Project - Route 216 (Guinea Rd) in Gloucester Co.
  - 12,795 Tons Plant Mix and 48,268 SY 12" Depth Reclamation
- **BMD**
  - 2023 Pilot: 36,000 tons planned BMD mix for 2023
  - ALL 12.5A/D and 9.5A/D mixes to be BMD for 2024
- **Rideability**
  - Incentive payout increased from 33% (2021) to 57% (2022) of the maximum across all schedules.

# FREDERICKSBURG DISTRICT - MAINTENANCE

- Rideability Pay Adjustment Results



# ***FREDERICKSBURG DISTRICT - MAINTENANCE***

**2023 and Beyond!**

- **Contracting Opportunities**
    - **Bridge and Culvert Projects – Construction and Maintenance**
    - **3 Snow Service Contracts for Interstate 95**
    - **1 Interstate Maintenance Contract – Turn Key Asset Management**
    - **Hired Trucking for Hauling on Maintenance Projects**
    - **Specialized Equipment Contracts for Mechanical Ditching**
    - **Storm water Management Restoration**
    - **Commuter Parking Lot Resurfacing**
    - **2024 Resurfacing Schedules Roll out to Advertisement Fall 2023**
- \*Emergency Force Account work is available if an asset needs immediate stabilization, work zone protection, repair or replacement. \***

**VTCA DISTRICT DIALOGUE 2023**

**MIKE CORWIN, P.E.**

***DISTRICT TRAFFIC OPERATIONS ENGINEER***

# FREDERICKSBURG DISTRICT - OPERATIONS



# ***FREDERICKSBURG DISTRICT - OPERATIONS***

## **Traffic Operations Staff**

**District Traffic Operations Engineer (DTOE) - Mike Corwin, P.E.**

**District Traffic Engineer (DTE) – Peter Hedrich, P.E.**

**Incident Management Coordinator (IMC) - Floyd "Boots" Ellmore**

**Traffic Control Devices Asset Manager - Larry Settle**

**Signal and Freeway Operations Engineer (SFOE) – Jason Gou, P.E.**

# FREDERICKSBURG DISTRICT - OPERATIONS

## I-95 Northbound Variable Speed Limit (MM 115 to 130)



# I-95 Variable Speed Limits

- Activated June 2022
- July and August highest activation rates
- Afternoons has the most activations
- 24 VSL Sites
- 3 Solar Sites
- Communication provided by cell modems
- 6 new CCTV Cameras



## Corridor Characteristics

- Recurring and non-recurring congestion
- Hot spots with stop-and-go conditions
- Speed variations
- Higher crash rates – significant incident delay



# ***FREDERICKSBURG DISTRICT - OPERATIONS***

## **Next Steps for Operations**

- **Budgeting and Staffing**
- **Developing an Operations Center**
- **Transitioning services provided by Richmond and NOVA into Fredericksburg District**

# **VTCA DISTRICT DIALOGUE 2023**

**ANNETTE ADAMS, P.E.**

***DISTRICT BRIDGE ENGINEER***

# **FREDERICKSBURG DISTRICT MAINTENANCE CURRENT STATUS OF STRUCTURES**

## **INTERSTATE**

**Performance Measure Target – 97% non-Structurally Deficient  
AND no Load Postings**



- **100% non-SD**
- **No Load Postings**

**100**

# FREDERICKSBURG DISTRICT MAINTENANCE CURRENT STATUS OF STRUCTURES

## PRIMARY

Performance Measure Target – 93% non-Structurally Deficient

- **94.9% non-SD**
- **13 SD bridges and culverts**
  - **0 in CN**
  - **9 in SGR/SYP design**
  - **2 in MN design**
  - **1 not in plan**
  - **1 permanently closed**

14

North End Branch  
Mathews County



17 NB

Dragon Run  
Middlesex County

# FREDERICKSBURG DISTRICT MAINTENANCE CURRENT STATUS OF STRUCTURES

## SECONDARY

Performance Measure Target – 90% non-Structurally Deficient

- **96.8% non-SD**
- **21 SD bridges and culverts**
  - 3 in CN
  - 6 in SGR/SYP design
  - 5 in MN design
  - 4 in pre-scope
  - 1 to be abandoned
  - 2 permanently closed



638

South River  
Caroline County



658

Monroe Creek  
Westmoreland County

# ***FREDERICKSBURG DISTRICT MAINTENANCE CURRENT STATUS OF STRUCTURES***

**GENERAL CONDITION RATING**  
Performance Measure Target – Minimum 5.6

- **Currently 6.1**
- **Average of all components**
- **Bridges – 3 components: Deck, Superstructure, Substructure**
- **Culvert – 1 component**

# FREDERICKSBURG DISTRICT MAINTENANCE WEST POINT BRIDGES



Route	Description
30	Eltham Bridge Pamunkey River
33	Lord Delaware Bridge Mattaponi River

**PT Acoustic Emission  
Monitoring Installed**

**NDE Inspection – all PT Girders**

**Concrete Superstructure  
Repair**



## Post-Tensioning Update

# FREDERICKSBURG DISTRICT MAINTENANCE UPCOMING PROJECTS (BRIDGES-MN)



**UPC 117775  
Culvert Scour Repair  
\$1.3 million**



Route	Description
301	Pine Hill Creek King George County

**Bridge Maintenance Program  
Advertised 02/14/2023**



# **FREDERICKSBURG DISTRICT MAINTENANCE UPCOMING PROJECTS (BRIDGES - MN)**

<b>Route</b>	<b>Description</b>	<b>Ad Date</b>	<b>CN Estimate</b>
<b>Districtwide UPC 122556</b>	<b>Bridge Cleaning Deck and Substructure</b>	<b>Fall 2023</b>	<b>\$0.9 million</b>
<b>4 Locations UPC TBD</b>	<b>District Wide Scour Repair 3 Camp Prong – Lancaster 205 Branch Rosier Creek – Westmoreland 601 Bush Mill Creek – Northumberland 621 Garnetts Creek– King &amp; Queen</b>	<b>Winter 2023/2024</b>	<b>\$1.5 million</b>
<b>354 UPC TBD</b>	<b>Culvert Replacement Tributary Deep Creek, Lancaster</b>	<b>FY24</b>	<b>\$3.0 million</b>
<b>636 UPC TBD</b>	<b>Culvert Replacement Scates Mill Pond, Richmond</b>	<b>FY24</b>	<b>\$1.6 million</b>

## **FY24 Maintenance Program**

# ***FREDERICKSBURG DISTRICT MAINTENANCE UPCOMING PROJECTS (BRIDGES-SGR/SYP)***

<b>UPC</b>	<b>Route</b>	<b>Description</b>	<b>CN Est</b>
121573	14	Dickeys Swamp (Garnett's Creek) – Culvert Scour Repair King & Queen County, July 2023	\$1.2 million
113806	3	Lick Run – Bridge to Culvert Replacement Spotsylvania County, October 2023	\$3.7 million
111406	1	Chopawamsic Creek – Bridge Replacement Stafford County, November 2023	\$8.3 million
111391	3	Burke Mill Stream – Bridge Super Replacement Mathews County, January 2024	\$5.9 million
113852	638	South River – Bridge Replacement Caroline County, April 2024	\$4.4 million
121539	658	Monroe Creek – Culvert Replacement Westmoreland County, June 2024	\$2.0 million

## **State of Good Repair Bridge Program FY24 Advertisements**

# ***FREDERICKSBURG DISTRICT MAINTENANCE UPCOMING PROJECTS (BRIDGES-SGR/SYP)***

<b>UPC</b>	<b>Route</b>	<b>Description</b>	<b>CN Est</b>
113850	607	Dragon Run – Bridge Replacement Essex County, August 2024	\$2.5 million
111390	14	Northend Branch – Bridge Super Replacement Mathews County, November 2024	\$3.5 million
119108	208	Over Rte. 95 – Bridge Widening/Rehabilitation Spotsylvania County, April 2025	\$11.1 million* SmartScale inclusive
113851	644	Aquia Creek – Bridge Replacement Stafford County, September 2025	\$5.1 million
122360	95 NBL 95 SBL	CSX RR – Bridge Rehabilitation Caroline County, October 2025	\$7.4 million
122359	1	Old Rappahannock Canal – Bridge Replacement City of Fredericksburg, October 2025	\$14.1 million

**State of Good Repair, IIJA, and Smart Scale  
Bridge Program FY25-FY26 Advertisements**

# **FREDERICKSBURG DISTRICT MAINTENANCE UPCOMING PROJECTS (BRIDGES-SGR/SYP)**

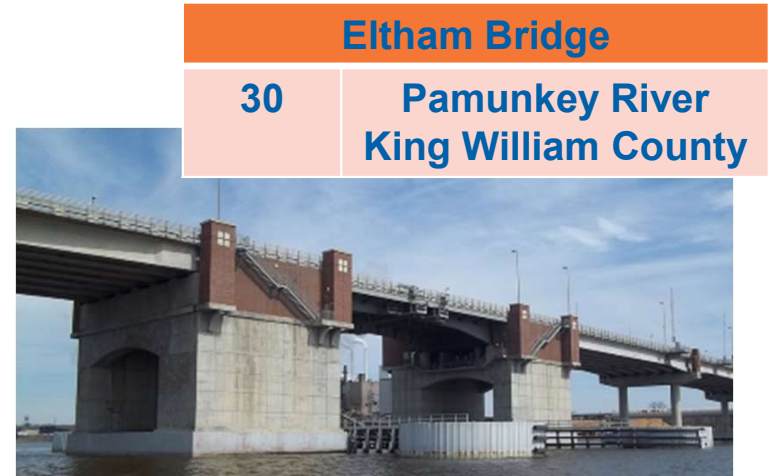
UPC	Route	Description	CN Est
122361	608	Catharpin Run – Culvert Replacement Spotsylvania County, December 2025	\$3.4 million
122362	2014	Stream – Culvert Replacement Spotsylvania County, December 2025	\$1.6 million
119110	2	Deep Run Creek – Bridge Replacement Spotsylvania County, June 2026	\$28.3 million* SmartScale inclusive
120822	95 NBL 95 SBL	Matta River and Po River – Bridge Rehabilitation Spotsylvania County, July 2026	\$17.4 million
121686 121687	1	Rappahannock River – Bridge Rehabilitation Stafford and City of Fredericksburg, December 2027	\$76.1 million

## **State of Good Repair, IIJA, and Smart Scale Bridge Program FY26-FY28 Advertisements**

# FREDERICKSBURG DISTRICT MAINTENANCE SPECIAL STRUCTURES PROGRAM



<b>Gwynn's Island Bridge</b>	
<b>223</b>	<b>Milford Haven Mathews County</b>



<b>Eltham Bridge</b>	
<b>30</b>	<b>Pamunkey River King William County</b>



<b>Norris Bridge</b>	
<b>3</b>	<b>Rappahannock River Middlesex County</b>

# **FREDERICKSBURG DISTRICT MAINTENANCE SPECIAL STRUCTURES PROGRAM**

<b>UPC</b>	<b>Bridge</b>	<b>Description</b>	<b>Program Budget</b>
120741	Eltham	Deck Sealing – August 2023	\$1.6 million
120739	Eltham	Gutter System on Movable Span – October 2023	\$0.2 million
121710	Eltham	Utility Conduit Replacement – Fall 2023	\$1.1 million
121711	Eltham	Post Tensioned Girder Repair – June 2024	\$3.2 million
120056	Eltham	Bascule Span Balancing – October 2024	\$0.3 million



# ***FREDERICKSBURG DISTRICT MAINTENANCE SPECIAL STRUCTURES PROGRAM***

<b>UPC</b>	<b>Bridge</b>	<b>Description</b>	<b>Program Budget</b>
120743	Gwynn	Fender Rehabilitation – Late 2023	\$1.0 million



# ***FREDERICKSBURG DISTRICT MAINTENANCE SPECIAL STRUCTURES PROGRAM***

<b>UPC</b>	<b>Bridge</b>	<b>Description</b>	<b>Program Budget</b>
<b>120054</b>	<b>Norris</b>	<b>PE Activities for Future Replacement – Ongoing</b>	<b>\$14.9 million</b>
<b>120057</b>	<b>Norris</b>	<b>Structural Steel Rehabilitation – Late 2023</b>	<b>\$9.7 million</b>
<b>120745</b>	<b>Norris</b>	<b>Pile Jackets – January 2024</b>	<b>\$3.2 million</b>





# **FREDERICKSBURG DISTRICT MAINTENANCE CURRENT CONSULTANT SERVICES (BRIDGES)**

- **Statewide Bridge Professional Services (12) (SB20211119)**  
*AECOM Volkert WRA HDR WSP Moffat & Nichol STV  
Jacobs Eng Stantec Hardesty & Hanover Prime AE HNTB*  
Term 1 and Term 2 – varies by consultant
  
- **Statewide Movable Bridge (SB20201102)**  
*HDR*  
Term 3
  
- **Statewide S&B Safety Inspection (7) (SB20200720)**  
*Volkert Clark Nexsen Collins Engineers Schwartz  
AI Engineers Alpha Corporation RK&K*  
Term 2 and Term 3 – varies by consultant

# **FREDERICKSBURG DISTRICT MAINTENANCE UPCOMING CONSULTANT SERVICES (BRIDGES)**

- **Professional Services for Statewide Movable Bridge (SB202XXXXX)**

*Planned for Advertisement Spring 2023*

- **Professional Services for Structural Health Monitoring (SB202XXXXX)**

*Includes: NDE services, strain gage installation and monitoring*

Advertisement date not established

- **Professional Services for Lord Delaware Non-Destructive Evaluation (SB202XXXXX)**

*Includes: Evaluation of post-tensioned girders to identify limits of set grout and limits of voids with associated maintenance of traffic*

Advertisement date not established

# *Name That Bridge*



# ***FREDERICKSBURG DISTRICT***

## **Construction**

**Michael T. Coffey, P.E.**

***ADA for Construction***

*MichaelT.Coffey@vdot.virginia.gov*

**FREDERICKSBURG DISTRICT**  
**I-95 North Bound River Crossing/CD Lanes,**  
**Stafford County, Fredericksburg Residency**



Contractor: Wagman Construction  
Completion Date: 05/17/2024  
Construction Award: \$107,457,777.77

**FREDERICKSBURG DISTRICT**  
**I-95 North Bound River Crossing/CD Lanes,**  
**Stafford County, Fredericksburg Residency**



Contractor: Wagman Construction  
Completion Date: 05/17/2024  
Construction Award: \$107,457,777.77

**FREDERICKSBURG DISTRICT**  
**I-95 NB Rappahannock River Bridge Rehabilitation, City  
of Fredericksburg, Fredericksburg Residency**



Contractor: Martins Construction Corp  
Fixed Completion Date: 12/1/2023  
Construction Award: \$3,698,862.00

# Under Construction: 95 Express Lanes Fredericksburg Extension (FredEx)

**Construction began:** Summer 2019

**Service Commencement:** December 15, 2023

**Contract Value:** \$565 million

**Contractor:** Branch Civil and Flatiron Joint Venture and HNTB

**Where:** I-95 from approximately Exit 143 to Exit 133



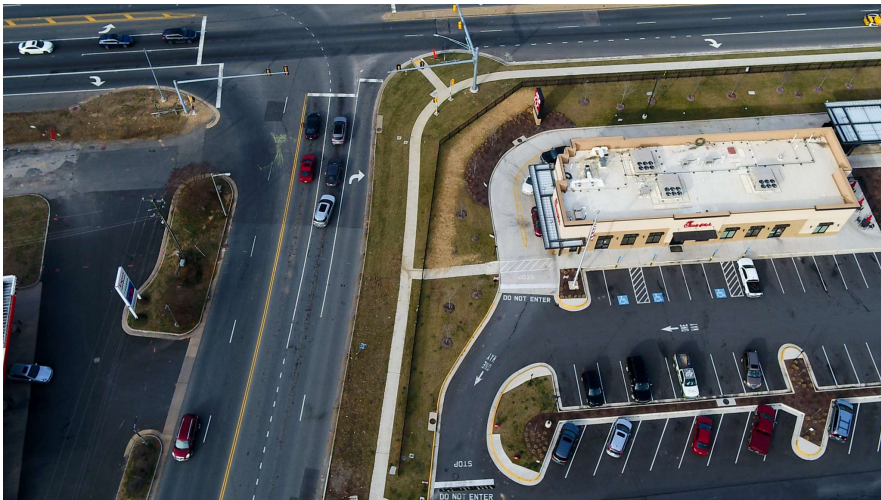


**FREDERICKSBURG DISTRICT**  
**Rte 1/Exit 126, Spotsylvania County, Fredericksburg**  
**Residency**



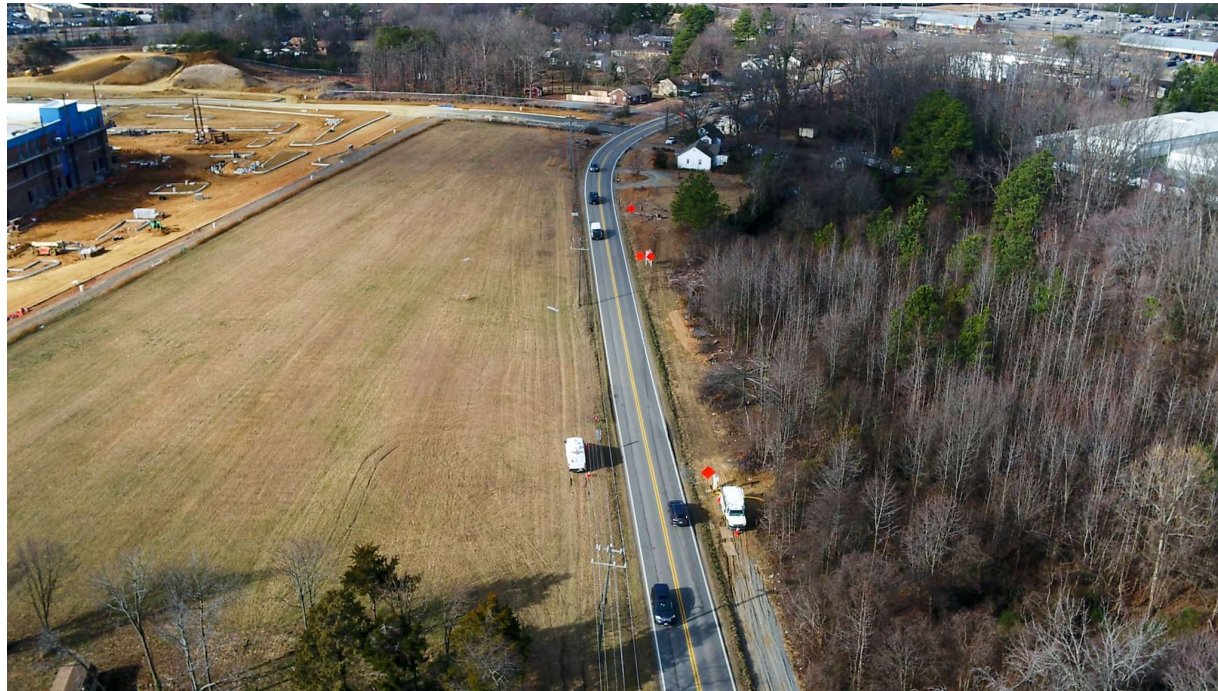
Contractor: Branch Civil  
Completion Date: 08/26/2025  
Construction Award: \$12,775,850.00

**FREDERICKSBURG DISTRICT**  
**Market Street, Spotsylvania County, Fredericksburg**  
**Residency**



Contractor: J.L. Kent & Sons, Inc  
Completion Date: 12/1/2023  
Construction Award: \$3,087,933.01

**FREDERICKSBURG DISTRICT**  
**Hood Drive, Spotsylvania County, Fredericksburg**  
**Residency**



Contractor: Ardent Company, LLC  
Completion Date: 06/16/2024  
Construction Award: \$4,848,400.00

**FREDERICKSBURG DISTRICT**  
**Rte 606 Mud Tavern Road Widening, Spotsylvania**  
**County, Fredericksburg Residency**



Contractor: Allen Myers VA, Inc  
Completion Date: 05/27/2025  
Construction Award: \$12,775,850.00

**FREDERICKSBURG DISTRICT**  
**Rte 639 Ladysmith Rd Widening, Caroline County,**  
**Fredericksburg Residency**



Contractor: J.L. Kent and Sons, Inc  
Completion Date: 05/28/2024  
Construction Award: \$10,692,078

**FREDERICKSBURG DISTRICT**  
**Commonwealth Drive Commuter Parking Lot**  
**Spotsylvania County, Fredericksburg Residency**



Contractor: Allen Myers  
Completion Date: 08/25/2023  
Construction Award: \$8,657,777

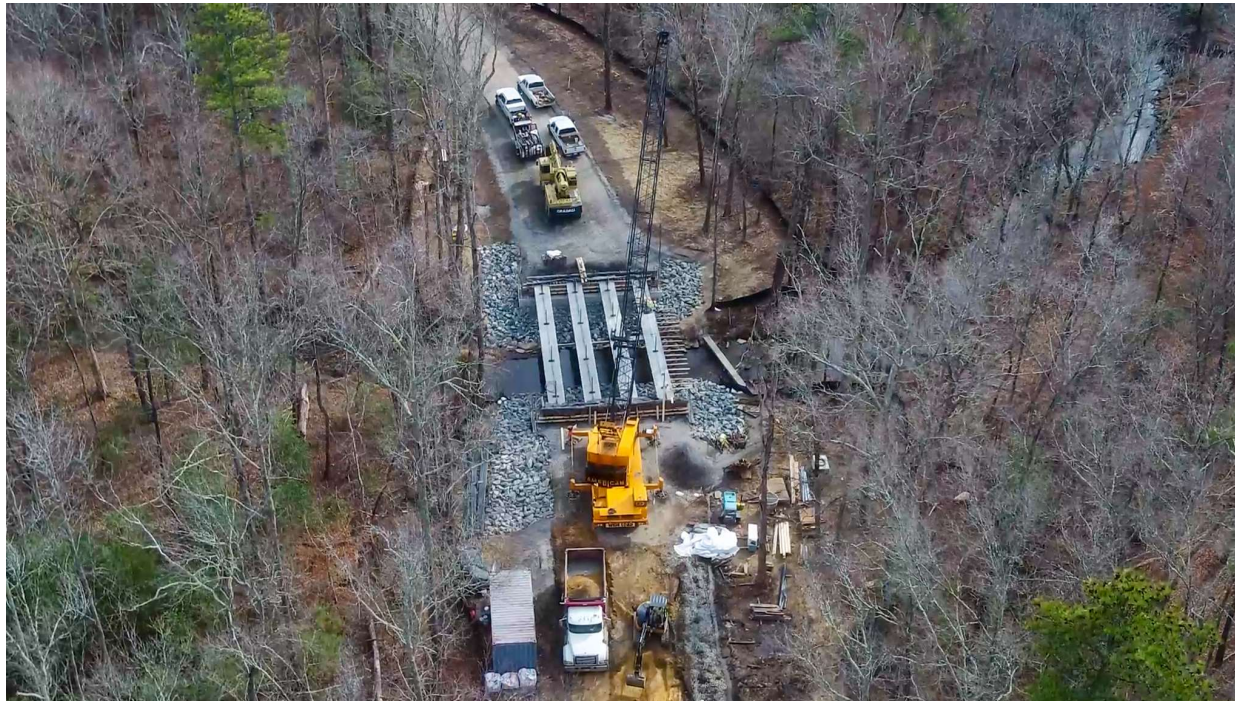
## **FREDERICKSBURG DISTRICT**

### **Route 1 over South River Bridge Rehab, Caroline County, Fredericksburg Residency**



Contractor: Bryant Structures, Inc  
Completion Date: 07/01/2024  
Construction Award: \$2,623,224.04

***FREDERICKSBURG DISTRICT***  
***Route 652 over Polecat Creek, Caroline County,***  
***Fredericksburg Residency***



Contractor: Abernathy Construction Corp  
Completion Date: 08/29/2023  
Construction Award: \$1,388,368.26

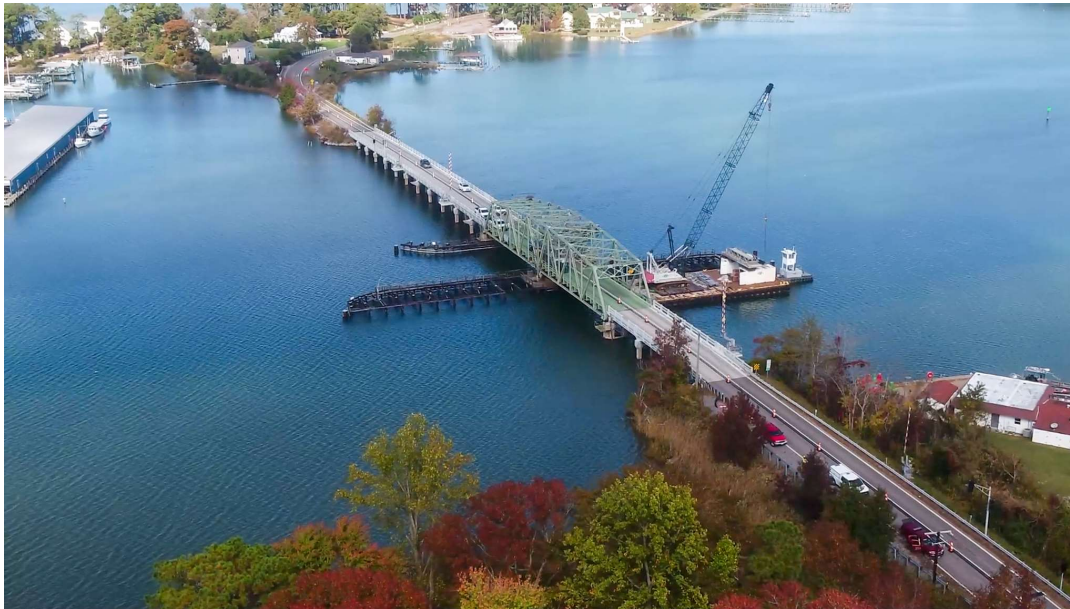


***FREDERICKSBURG DISTRICT***  
***Route 637 Bridge over Cat Point Creek, Richmond***  
***County, Northern Neck Residency***



Contractor: Bryant Structures, Inc  
Completion Date: 04/26/2024  
Construction Award: \$2,270,916.00

**FREDERICKSBURG DISTRICT**  
**Swing Span Rehab over Milford Haven Inlet**  
**Gwynn's Island Bridge Mathews County, Saluda Residency**

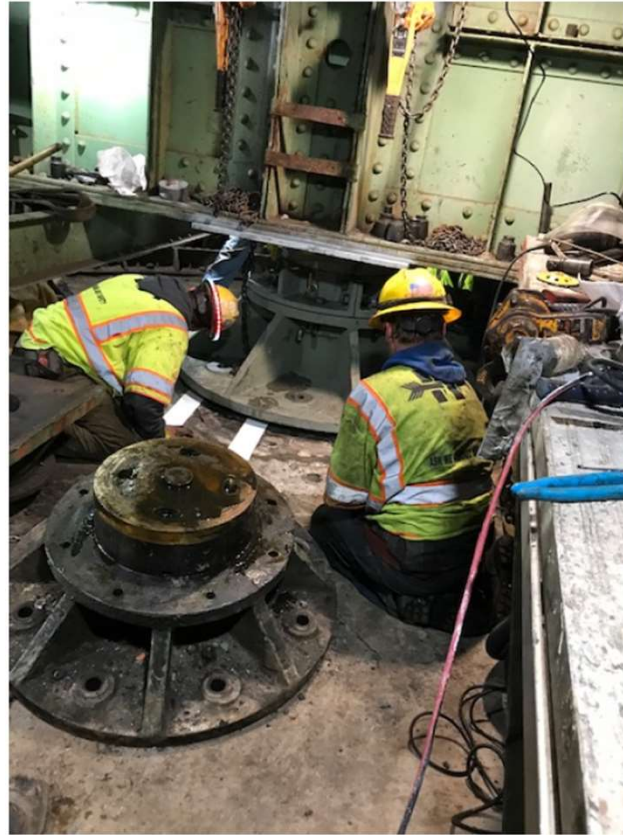


Contractor: Archer Western  
Completion Date: 04/05/2023  
Construction Award: \$8,311,260

**FREDERICKSBURG DISTRICT**

**Swing Span Rehab over Milford Haven Inlet**

**Gwynn's Island Bridge Mathews County, Saluda Residency**



# **FREDERICKSBURG DISTRICT**

## **Consultant Services**

### **District-wide CEI:**



<b>2023 Est. Peak Staffing</b>	<b>VDOT</b>	<b>Consultant</b>
<b>Inspectors Trainees included</b>	<b>13</b>	<b>25-30</b>
<b>Construction Managers/ Office Engineer</b>	<b>5</b>	<b>3-5</b>
<b>Project Controls</b>	<b>3</b>	<b>1</b>
<b>Responsible Charge Engineer</b>	<b>4</b>	<b>2</b>
<b>Total</b>	<b>25</b>	<b>31-38</b>

## ***FREDERICKSBURG DISTRICT Consultant Services***

**Fredericksburg District CEI Services  
(FRED-20151201) \$4,000,000 per term  
*A. Morton Thomas, Inc.  
Term 3  
Expires 08/31/2023***

**Fredericksburg District CEI Services  
(FRED-20220504) \$4,000,000 per term  
*ATCS, PLC  
Term 1  
(Term 1 is 2 years with 2 additional 1 year  
terms)  
Expires 12/2023***

# ***FREDERICKSBURG DISTRICT Consultant Services***

**Fredericksburg District CEI Services  
(FRED-20220504) \$4,000,000 per term**

***RK&K***

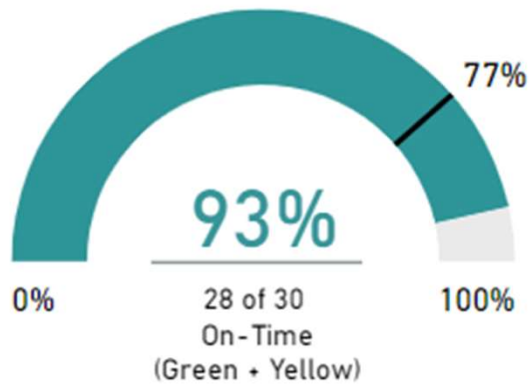
***Term 1***

***(Term 1 is 2 years with 2 additional 1 year  
terms)***

***Expires 12/2023***

**FREDERICKSBURG DISTRICT**  
**Construction – VDOT Administered**

**ON-TIME PERFORMANCE**

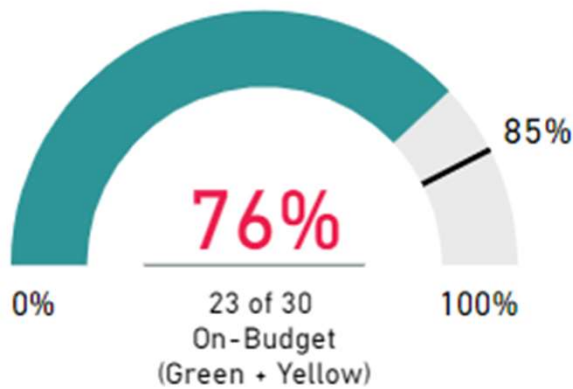


Status On-Time	Active		Completed		Total	
	Count	Award	Count	Award	Count	Award
<b>R</b>			2	\$5M	2	\$5M
<b>G</b>	3	\$18M	25	\$46M	28	\$63M
<b>Total</b>	<b>3</b>	<b>\$18M</b>	<b>27</b>	<b>\$51M</b>	<b>30</b>	<b>\$68M</b>

**(Target : 77% of Projects Complete Delivery Phase On-Time)**

**FREDERICKSBURG DISTRICT**  
**Construction – VDOT Administered**

**ON-BUDGET PERFORMANCE**



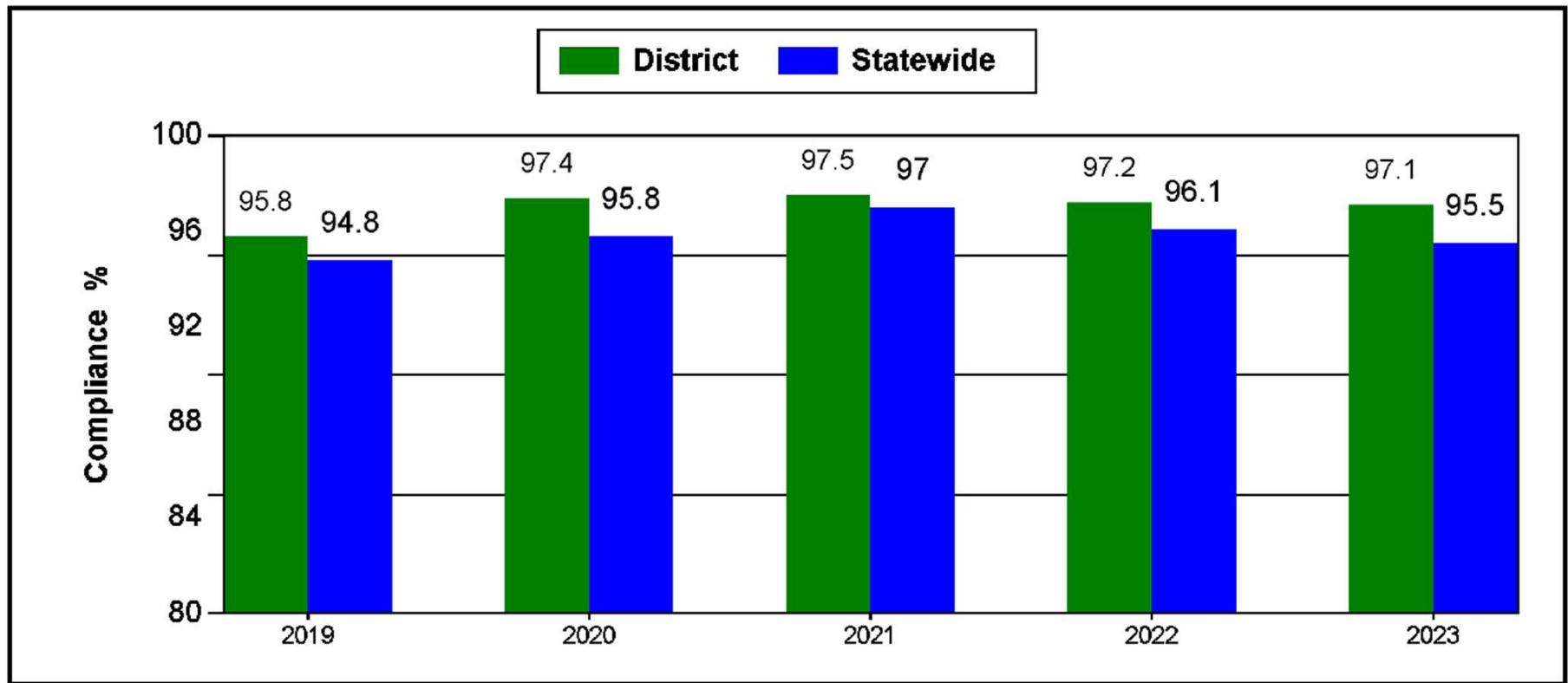
Status	Active	Completed	Total
On-Budget	Count	Award	Count
		Count	Award
<span style="color: red;">R</span>		7	\$12M
<span style="color: yellow;">Y</span>	1	\$8M	
<span style="color: green;">G</span>	2	\$9M	20
<b>Total</b>	<b>3</b>	<b>\$18M</b>	<b>27</b>
		<b>\$51M</b>	<b>30</b>
			<b>\$68M</b>

**(Target : 85% of Projects Complete Delivery Phase On-Budget)**



**FREDERICKSBURG DISTRICT**  
**Construction**

**FY '23 CQIP**  
**91% Target**

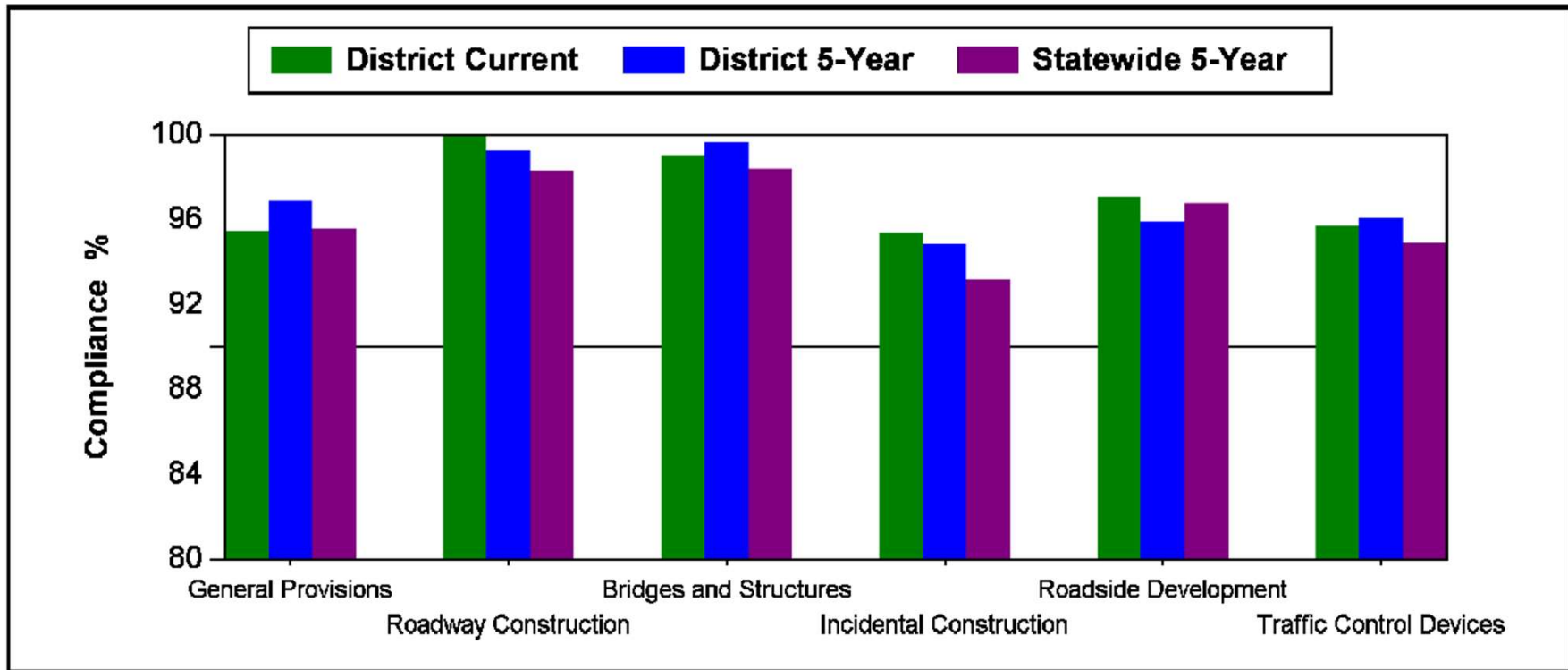


# FREDERICKSBURG DISTRICT

## Construction

### FY '23 CQIP

## District Compliance By Checklist Section



## ***FREDERICKSBURG DISTRICT*** ***Construction – Focus for 2023***

- **Safety**
- **Pavement Quality**
  - **Longitudinal Joints**
    - Straightness
    - Tack
    - Density
- **Pavement Ride Quality**
- **MOT/Flagger Quality**
- **Making common sense engineering and construction decisions.**

## *FREDERICKSBURG DISTRICT*

# QUESTIONS?

Welcome to the City of Charlottesville



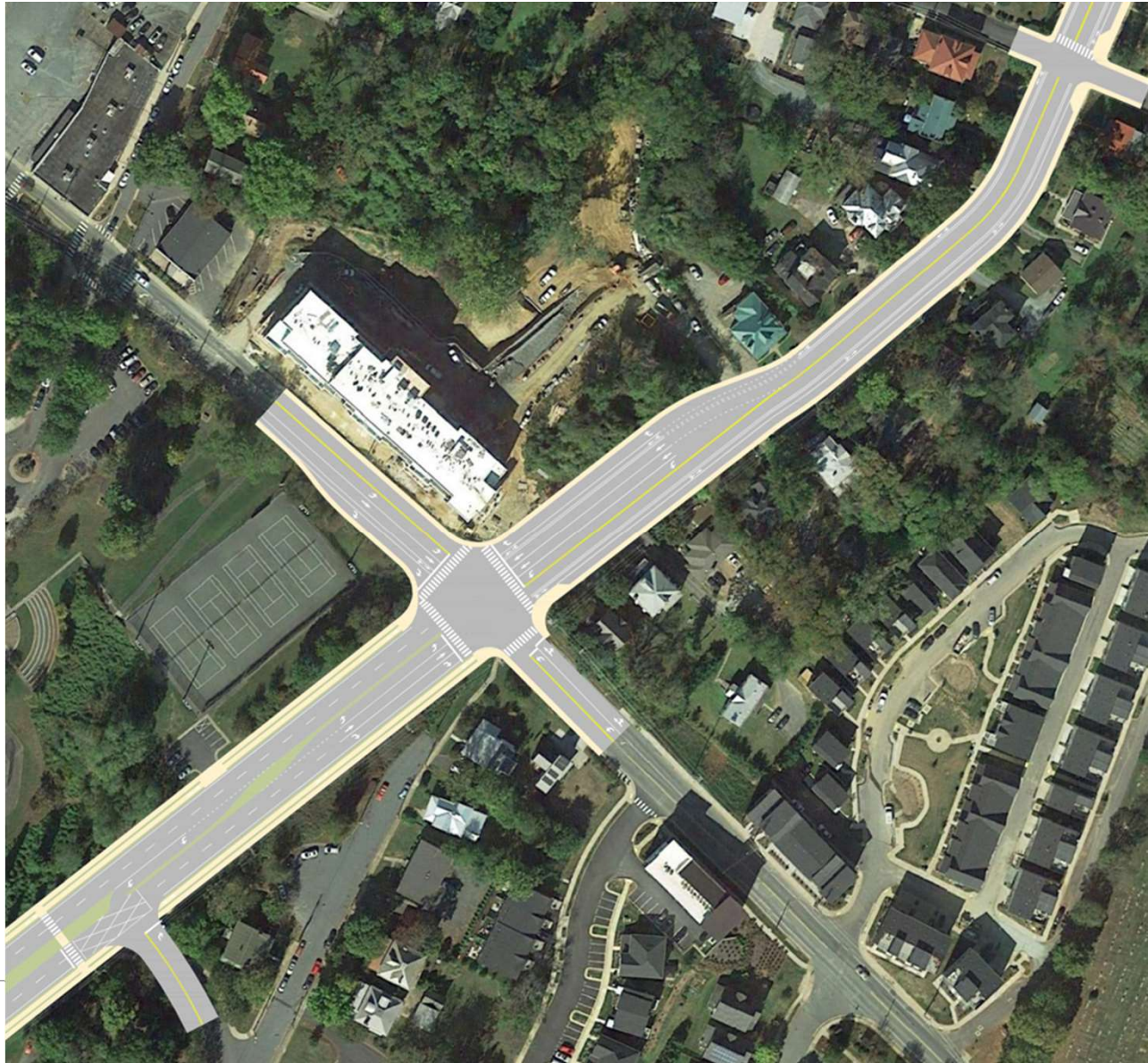
# 5<sup>th</sup> Street S.W. Corridor Improvements



The scope will strive to reduce congestion, improve safety, and accommodate bicyclists, pedestrians, and transit at the intersection of Ridge Street, Cherry Avenue, and 5<sup>th</sup> Street South

**Concept Development Phase**  
**Advertise for design services winter 2023.**

**Fund Source: SMART SCALE**  
**UPC 115476**  
**Project Budget: \$ 6 M**



# Ridge Street Safety Improvements



The project will provide multi-modal improvements along the Ridge Street corridor to include sidewalk and curb ramp upgrades; signal improvements at Monticello, curb extensions on Ridge St. at Dice St. and Oak St.

**Concept Development Phase.  
Advertise for design services  
winter 2023**

**Fund Source: SMART Scale  
UPC 118877**

**Project Budget: \$8 M**





# Emmet St. Streetscape PH 1

Emmet Street corridor between Ivy Road and Arlington Boulevard into a multimodal streetscape with shared use path, improved bike lanes, consolidated bus stops/optimized bus shelters, landscaping, and improved pedestrian crossings at the intersections. **Currently in Right of Way phase**

**Project Status Website:**

<http://www.emmetstreetscape.com/schedule/>

**Estimated right of way completion**

**Jan – Mar 2024**

**Fund Source: SMART SCALE**

**UPC 109551**

**Project Budget: \$18 M**





# Emmet Streetscape Phase 2 Improvements



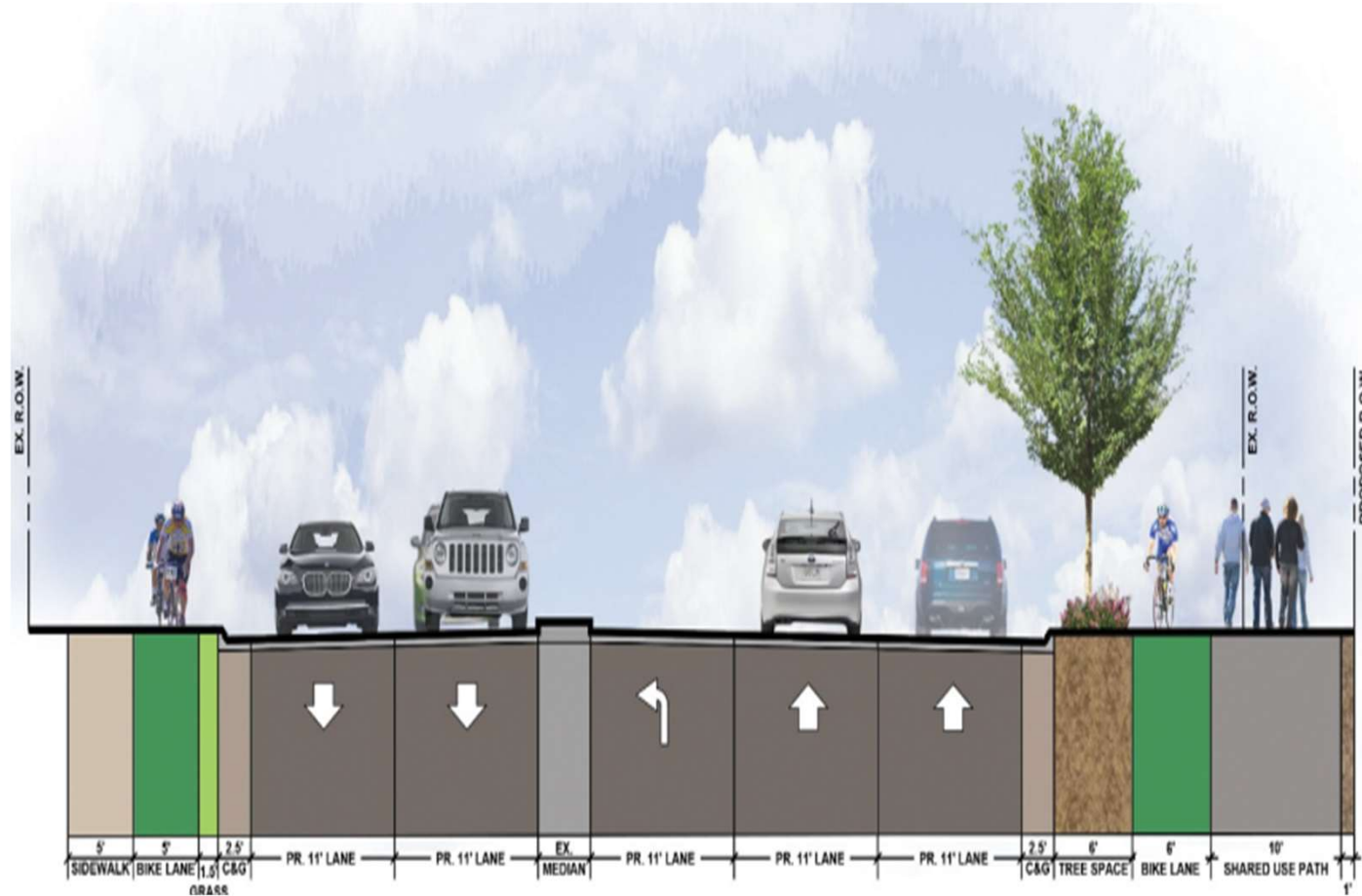
The project will extend bicycle and pedestrian accommodations from Phase 1 Emmet Street between Arlington Boulevard and Barracks Road to include a shared use path, bicycle facilities, pedestrian lighting, landscaping and signal modifications

Preliminary Engineering Phase

Estimated Date to Advertise for design services 2024.

Fund Source: SMART SCALE  
UPC 118867

Project Budget: \$20 M



# Barracks Road/ Emmet Intersection

Estimated right of way completion  
Oct – Dec 2023



Improve operations at the Barracks Road / Emmet Street Intersection, bicycle, pedestrian and transit facilities along Barracks Rd east to Hill Top Road

Fund Source: SMART SCALE  
UPC 111796

Project Budget: \$ 8 M

Project Status Website :

<http://barracksemmetimprovements.com/>



# East High Street Streetscape



Enhance pedestrian and bike safety and intersection / signal improvements along Market Street and 9th St NE to Locust Ave intersection.

Currently in Right of Way Phase

**Project Status Website:**

<https://www.easthighstreetscape.org/about/>

**Estimated CN Ad Date**

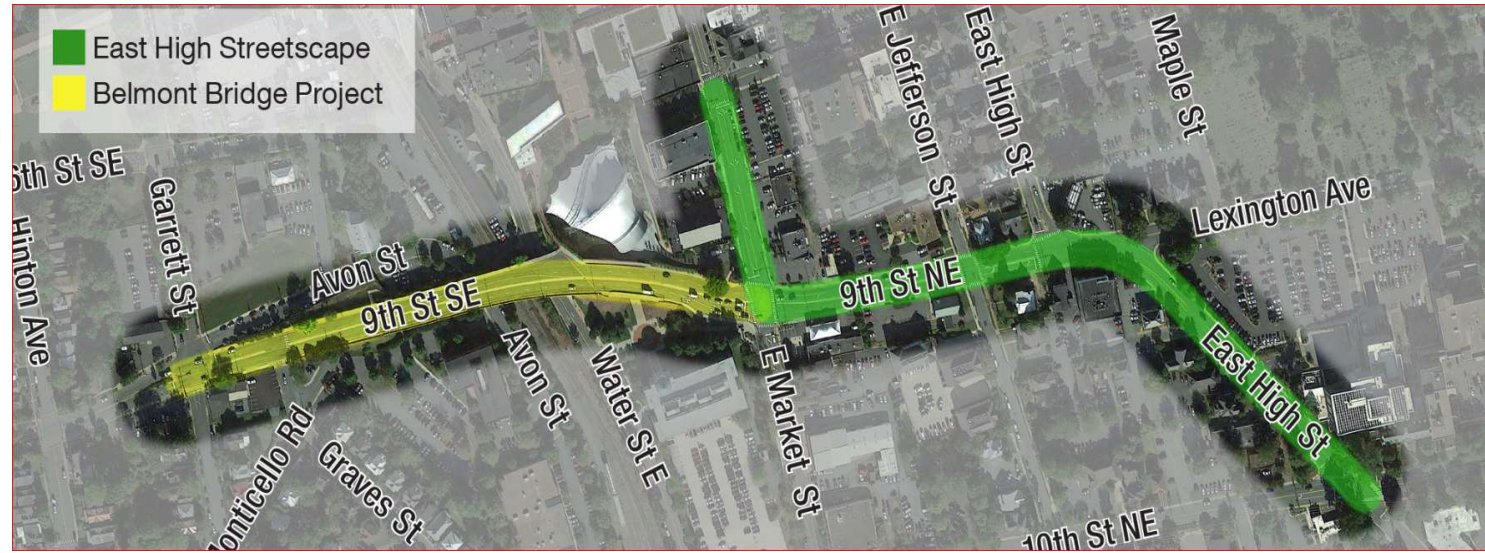
**March 2024**

**Fund Source: SMART SCALE**

**/ Revenue Sharing UPC**

**109480**

**Project Budget: \$ 9 M**



# Fontaine Avenue Streetscape



Enhance the existing 50' right-of-way with two travel lanes, on street parking, a 4' sidewalk on the southern side of the street and bike lanes

Preliminary Engineering Phase

**Project Status website:**

<https://fontainestreetscape.com/project-information/>

**Estimated RW completion winter of 2024.**

**Fund Source: SMART SCALE  
UPC 109484**

**Project Budget \$ 17 M**



# Dairy Rd Bridge



Removal of the existing two-lane substandard bridge structure, its abutments and supports, and install of a new bridge structure under the Design-Build process and currently in **Preliminary Planning Phase**

**Status:** D-B consultant selection

**Design team phase starting in March 2023.**

**Fund Source:** State-of-Good Repair - Bridges

**Project Budget:** \$7 M  
UPC 118295



# Charlottesville Project Contact Information



**City Procurement and Risk Management Office- For Bids & Proposals**

**<https://www.charlottesville.gov/912/Bids-Proposals>**

**You can sign up to receive a text message or email when new bids are added!**

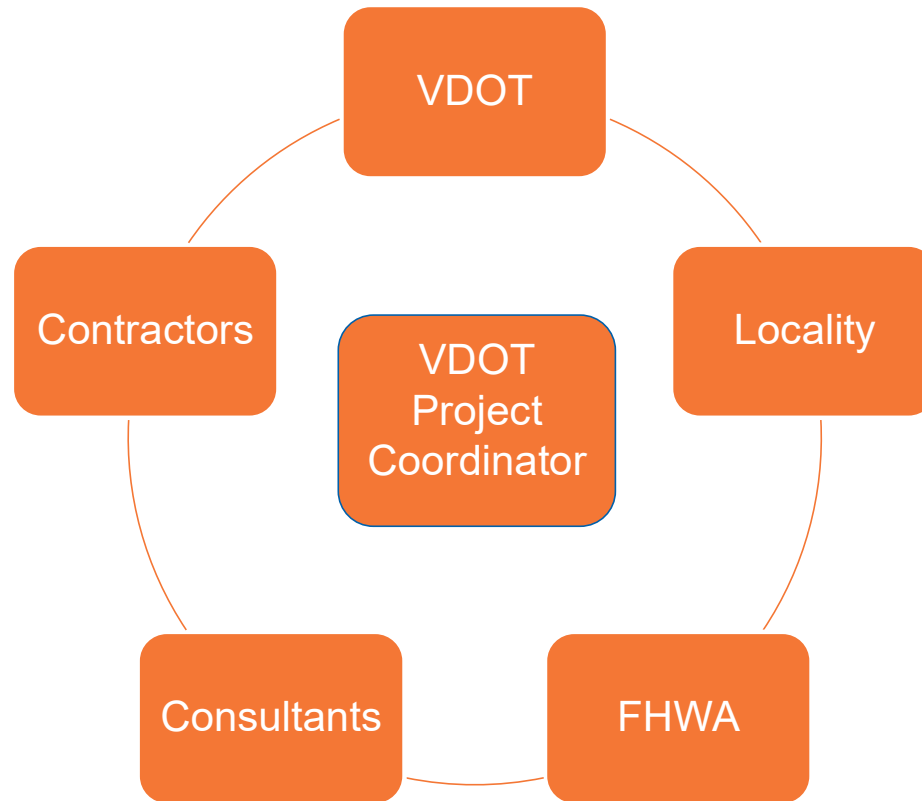
**Public Works Engineering / Transportation – For Project Information:**

**Tony Edwards , Development Services Manager, [edwardst@charlottesville.gov](mailto:edwardst@charlottesville.gov)**

# City of Charlottesville Planned Advertisements, 2023

Funds Type	Streetscape Project	Estimated Advertising	Phase	Project Estimate
SS	5 <sup>th</sup> St SW Corridor Improvements	Winter 2023 –Spring 2024	Design	\$ 6,000,000
SS	Ridge St Safety Improvements	Winter 2023 – Spring 2024	Design	\$ 8,000,000
SS	Emmet Street Streetscape Ph 1	Winter 2023 – Spring 2024	Construction	\$ 20,000,000
SS	Emmet Street Streetscape Ph 2	Winter 2024	Design	\$ 18,000,000
SS	Barracks Road/Emmet Intersection	Winter 2024	Construction	\$ 18,000,000
SS/RS	East High Street Streetscape	Spring 2024	Construction	\$ 9,000,000
SS	Fontaine Avenue Streetscape	Spring 2024	Construction	\$ 17,000,000
SOGR	Dairy Road Bridge (design-build)	Spring 2023	RFP Design	\$ 7,000,000

# Key Team Members for LAP Projects





# Culpeper LAP Coordinators

