

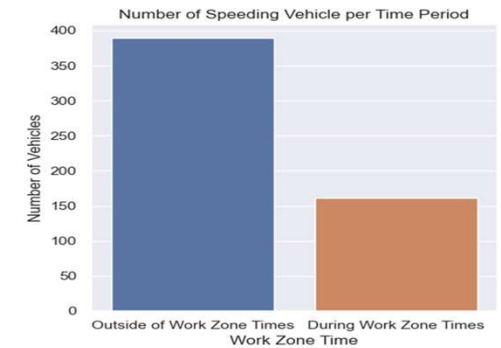
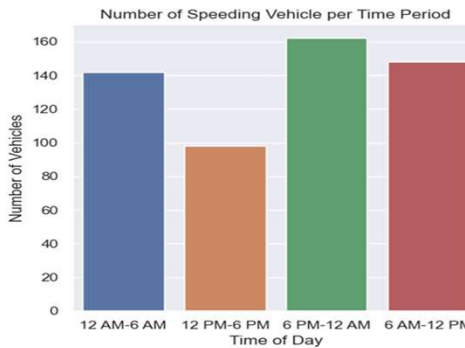
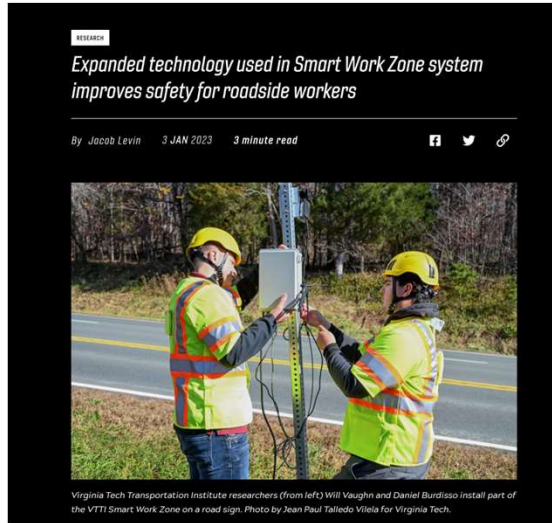
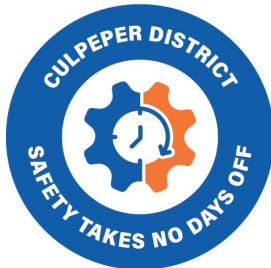
# Culpeper District Welcome

**Sean Nelson, P.E.**  
***Culpeper District Engineer***  
*Sean.Nelson@VDOT.Virginia.gov*

# Safety Innovation

- Work Zone Intrusion System

- Route 250/151 Work Zone
- 7 reported crashes over 3.5 years
  - 5 due to loss of brakes
- Multiple close calls within the WZ
- Partnership with VTTI, VTRC, CO Safety, and Curtis Contracting to mitigate the unsafe conditions through technology



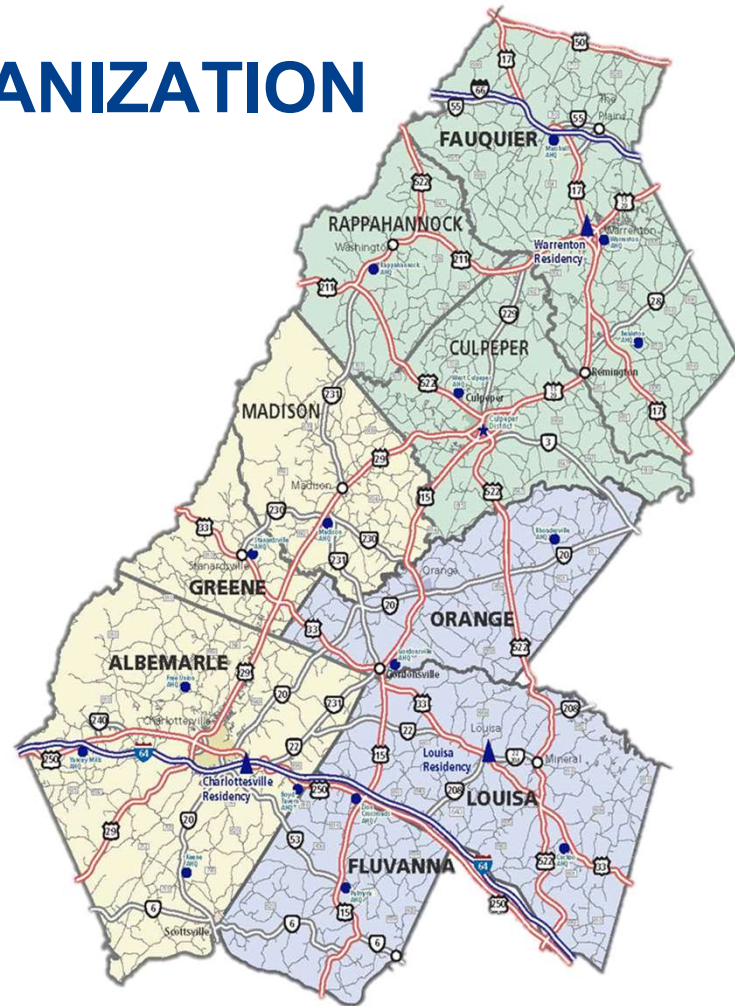
# CULPEPER DISTRICT ORGANIZATION

## District Office

## 3 Residencies

- Warrenton (5 AHQ – Bealeton, Marshall, Rappahannock, Warrenton, West Culpeper)
- Louisa (5 AHQ – Cuckoo, Gordonsville, Palmyra, Rhoadesville, Zion Crossroads)
- Charlottesville (6 AHQ – Boyd Tavern, Free Union, Keene, Yancey Mills, Stanardsville, Madison)

500+ Employees



# CULPEPER DISTRICT LEADERSHIP



**Sean Nelson**  
District Engineer

**Carrie Shephard**  
Charlottesville Residency Engineer



**Mark Nesbit**  
Warrenton Residency Engineer



**Scott Thornton**  
Louisa Residency Engineer



**Stacy Londrey, Assistant District Administrator**  
Business, Planning and Investment Management



**Mike Jacobs**  
District Project Development Engineer



**Greg Cooley**  
District Construction Engineer



**David Pearce**  
District Maintenance Engineer



**Troy Austin**  
District Traffic Operations Engineer



**Monica Woody**  
District Human Resources Manager



**Lou Hatter**  
District Communications Manager



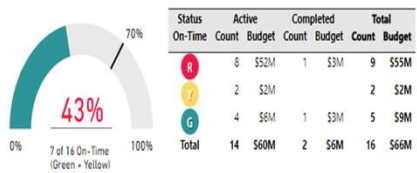
## Notable Staffing Changes

- **District Location and Design Engineer**
  - Justin Warfield
- **Assistant District Location and Design Engineer**
  - Johnathan Rose
- **District Traffic Engineer**
  - Steve Frooman
- **Local Assistance Manager**
  - Patrick Moore

# State of the Culpeper District

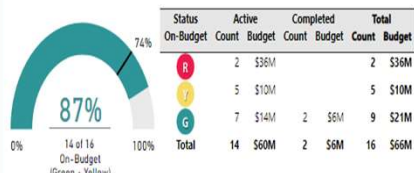
## Development

### ON-TIME PERFORMANCE



(Target: 70% of Projects Complete Development Phase On-Time)

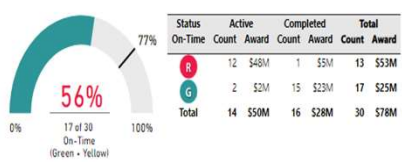
### ON-BUDGET PERFORMANCE



(Target: 74% of Projects Complete Development Phase On-Budget)

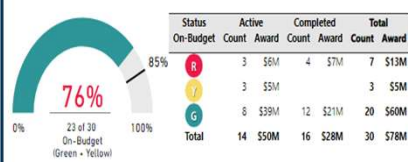
## Delivery

### ON-TIME PERFORMANCE

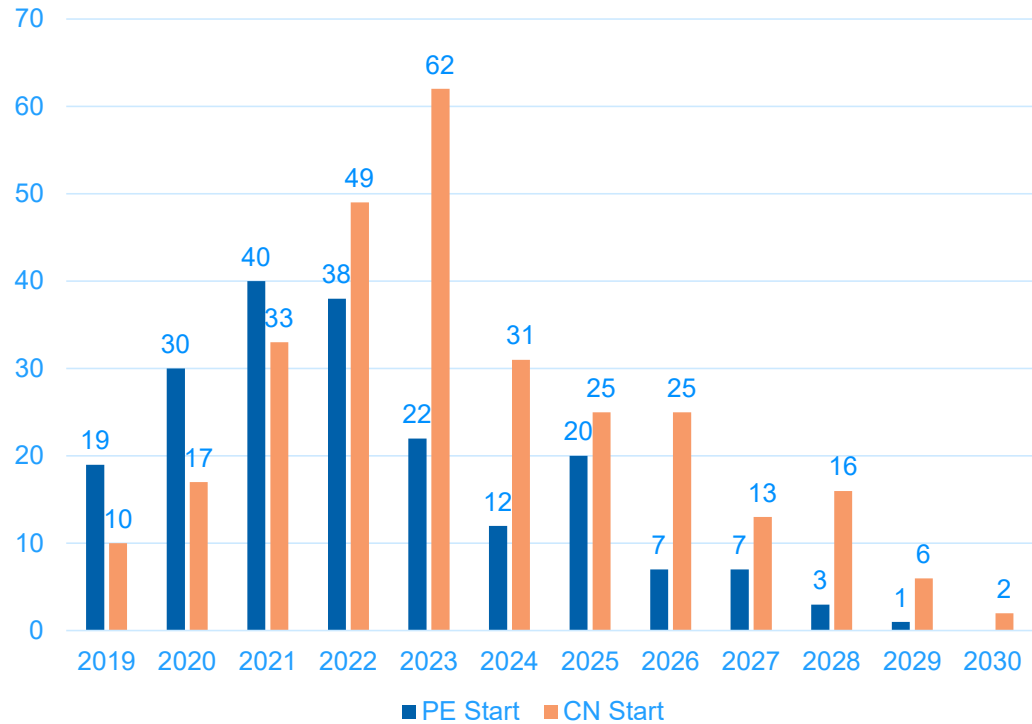


(Target: 77% of Projects Complete Delivery Phase On-Time)

### ON-BUDGET PERFORMANCE



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



# Culpeper District Project Development

**Michael A. Jacobs, P.E.**  
***District Project Development Engineer***  
*mike.jacobs@vdot.virginia.gov*

## ***CULPEPER DISTRICT PROJECT DEVELOPMENT***

### **Key Personnel**

**Justin Warfield P.E., District Location & Design Engineer**

**John Rose P.E., Asst. District L&D Engineer**

**Jonathan Stowe, P.E., Asst. District L&D Engineer**

**David Cabbage, Consultant Project Manager**

**Steve Ikenberry P.E., District Hydraulics Engineer**

**Mike Mauro L.S., District Survey Manager**

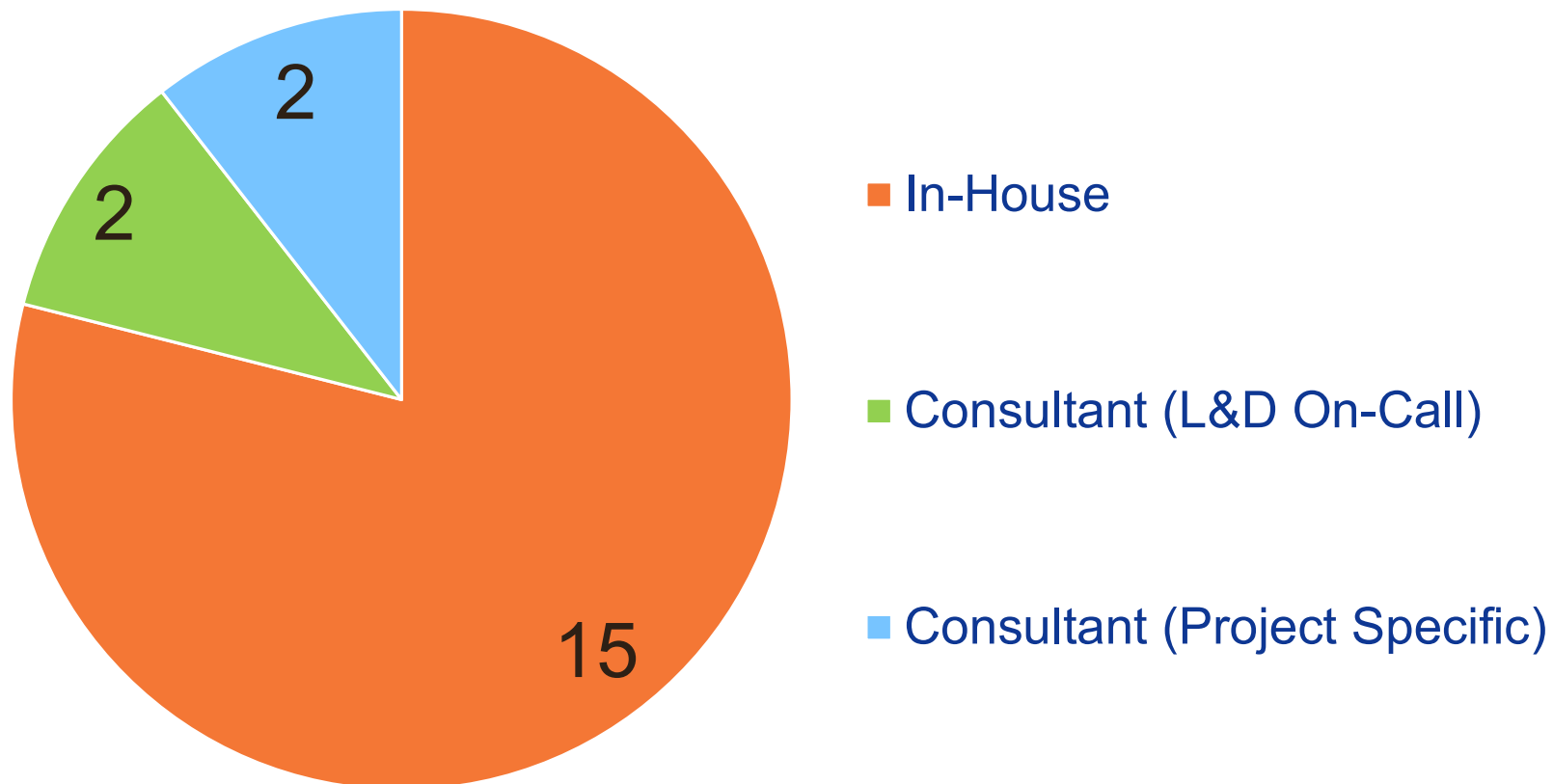
**Rick Crofford, District Environmental Manager**

**John Chiles, Asst. District Environmental Mgr.**



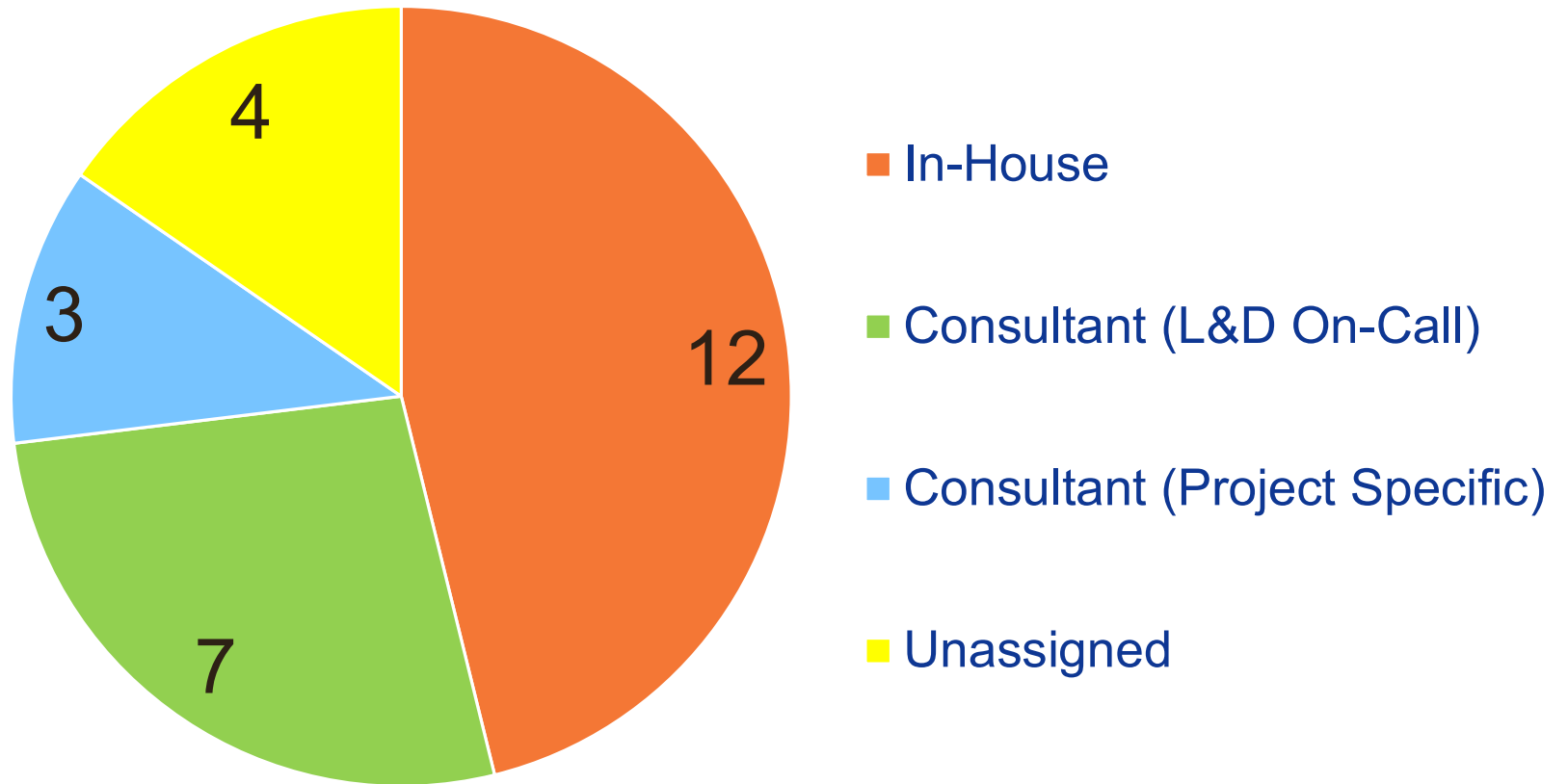
## **CULPEPER DISTRICT PROJECT DEVELOPMENT**

Culpeper L&D Active Projects as of 3/1/2022 (19)



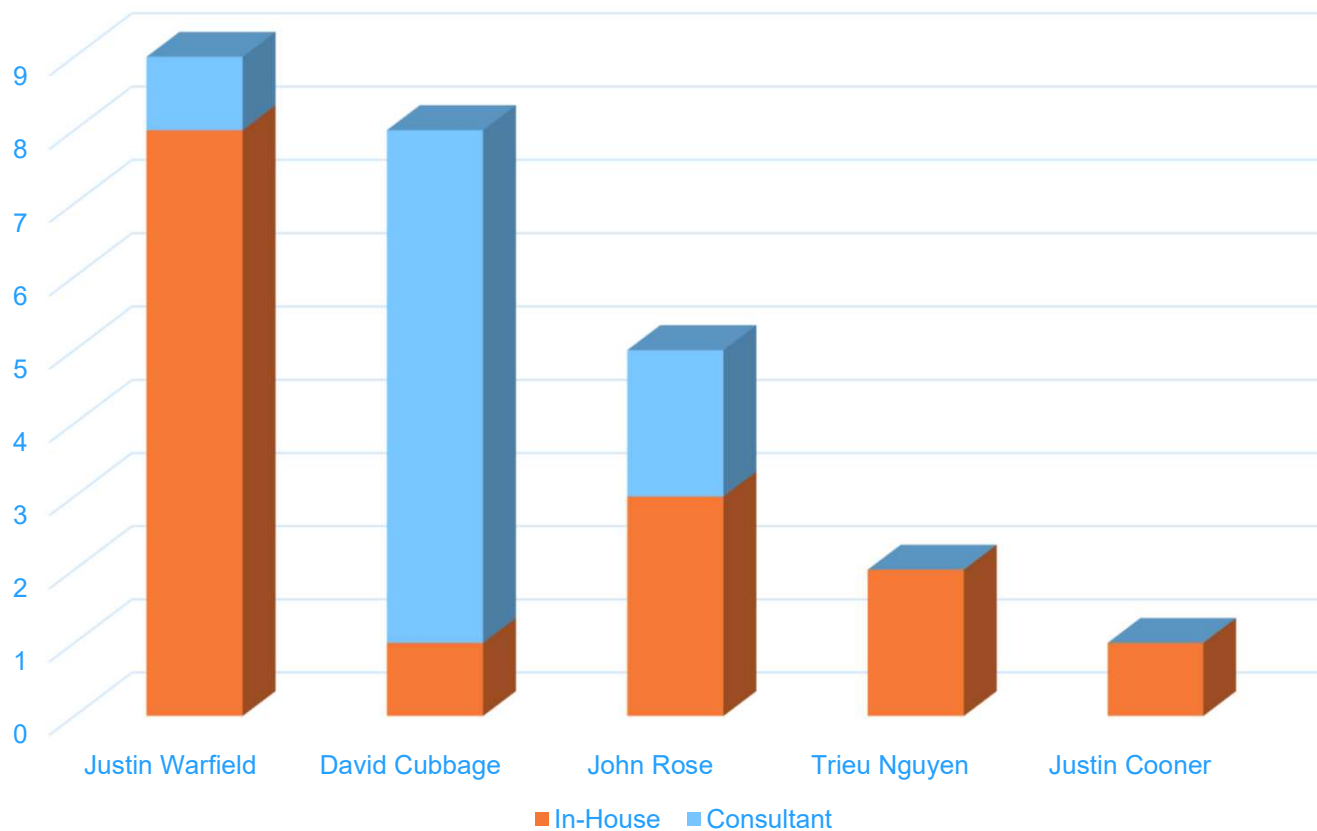
## **CULPEPER DISTRICT PROJECT DEVELOPMENT**

Culpeper L&D Active Projects as of 2/1/2023 (26)



# CULPEPER DISTRICT PROJECT DEVELOPMENT

## Project Management Assignments



**CULPEPER DISTRICT  
PROJECT DEVELOPMENT**

**Upcoming Projects CY23**

<b>UPC</b>	<b>Project</b>	<b>Locality</b>	<b>PE Start Date</b>
121853	South Main St. Sidewalk	Town of Madison	April 2023
118865	Roundabout at Rte. 231 & High Street	Town of Gordonsville	October 2022
119205	Roundabout at Rte. 55 & Rte. 709 (Zulla Road)	Fauquier County	October 2022

## **CULPEPER DISTRICT PROJECT DEVELOPMENT**

### **Future Projects**

<b>UPC</b>	<b>Project</b>	<b>Locality</b>	<b>PE Start Date</b>
121389	Eastern Avenue	Albemarle County	November 2024
120654	US 29 / Rte. 615 (Lee's Mill Road) RCUT	Fauquier County	November 2025
120655	Roundabout at US 522 & Rte. 20	Orange County	December 2025

## CULPEPER DISTRICT PROJECT DEVELOPMENT



### SMART Scale Round 5 Funding Distribution for FY24

District	District Grant (Millions)	12% Inflation Contingency (Millions)	Amount Available (Millions)
Culpeper	\$138.1	-\$16.6	\$121.6

# CULPEPER DISTRICT PROJECT DEVELOPMENT



## SMART Scale Round 5 Funding Distribution for FY24

District	Number of Applications	DGP Allocated (Millions)	HPPP Allocated (Millions)	Funded in Staff Scenario	Total Allocated (Millions)
Culpeper	38	\$115.8	\$36.4	13	\$152.2

# CULPEPER DISTRICT PROJECT DEVELOPMENT



## SMART Scale Round 5 Staff Recommended Scenario

App ID	Project	Organization	SMART Scale Request	SMART Scale Score
9178	Avon Street Multimodal Improvements	Charlottesville – Albemarle MPO	\$15,807,317	8.46
9331	US 250 / Peter Jefferson Pkwy Intersection Improvements & Access Management	Thomas Jefferson PDC	\$20,546,717	6.02
9144	Belvedere Boulevard / Rio Road Intersection Improvements	Albemarle County	\$4,890,328	4.58



# CULPEPER DISTRICT PROJECT DEVELOPMENT



## SMART Scale Round 5 Staff Recommended Scenario

App ID	Project	Organization	SMART Scale Request	SMART Scale Score
9171	Rte. 230 & Rte. 687 Intersection Improvements	Madison County	\$11,320,633	7.89
9059	Rte. 3 & Rte. 20 Intersection Improvements	Orange County	\$16,980,924	4.25

# CULPEPER DISTRICT PROJECT DEVELOPMENT



## SMART Scale Round 5 Staff Recommended Scenario

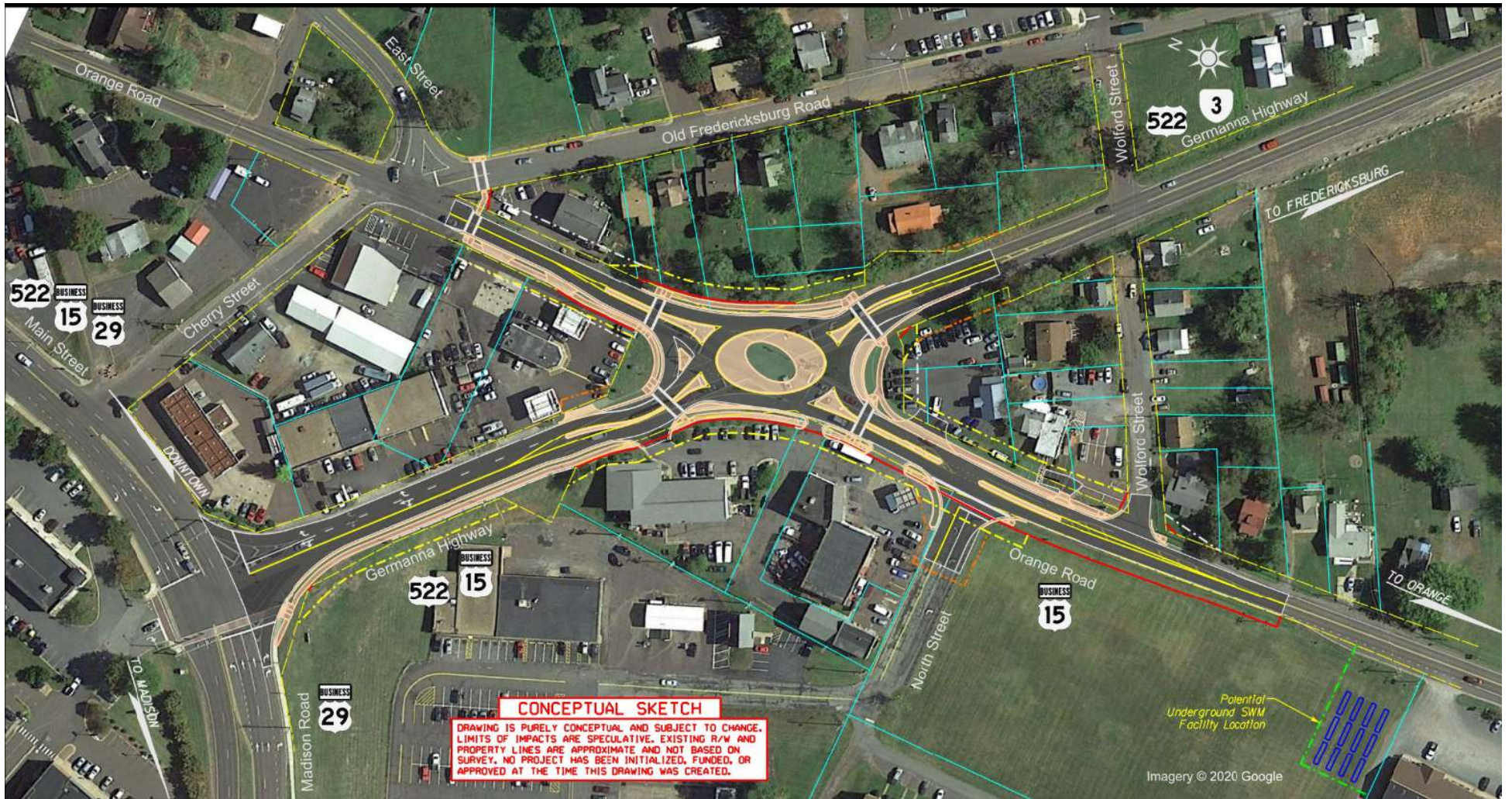
App ID	Project	Organization	SMART Scale Request	SMART Scale Score
9137	Rte. 3 / Rte. 669 Intersection Improvement (Partial RCUT)	Culpeper County	\$4,686,393	11.63
9124	Rte. 229 / Rte. 621 Roundabout	Culpeper County	\$10,042,765	5.94

# CULPEPER DISTRICT PROJECT DEVELOPMENT



## SMART Scale Round 5 Staff Recommended Scenario

App ID	Project	Organization	SMART Scale Request	SMART Scale Score
8942	Rte. 3 / US 15 (Orange Road) Roundabout	Town of Culpeper	\$12,796,616	7.66
9284	Old Brandy Road Sidewalk Extension	Town of Culpeper	\$8,292,885	7.11
9289	Orange Road Sidewalk Extension	Town of Culpeper	\$8,592,462	6.40

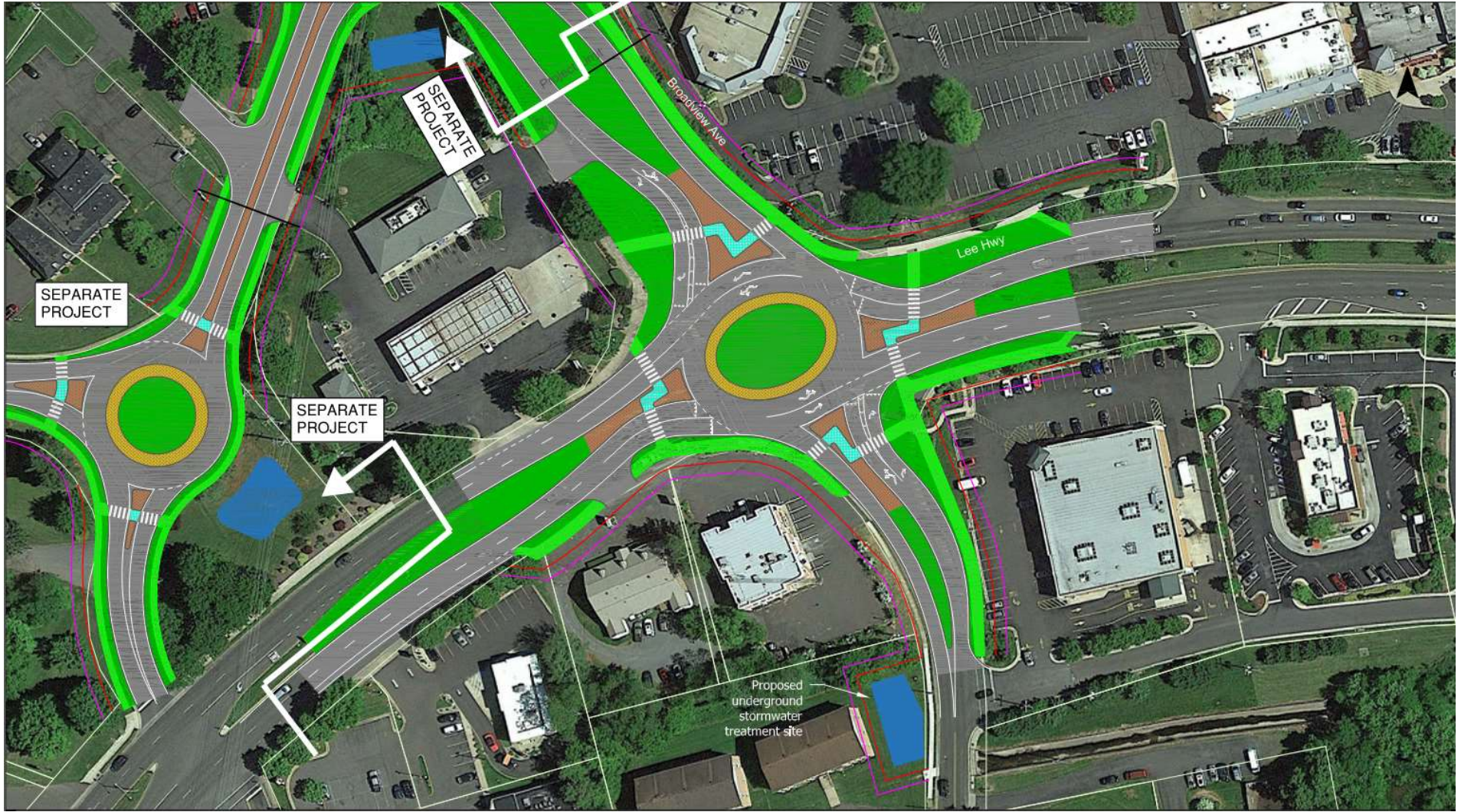


# CULPEPER DISTRICT PROJECT DEVELOPMENT



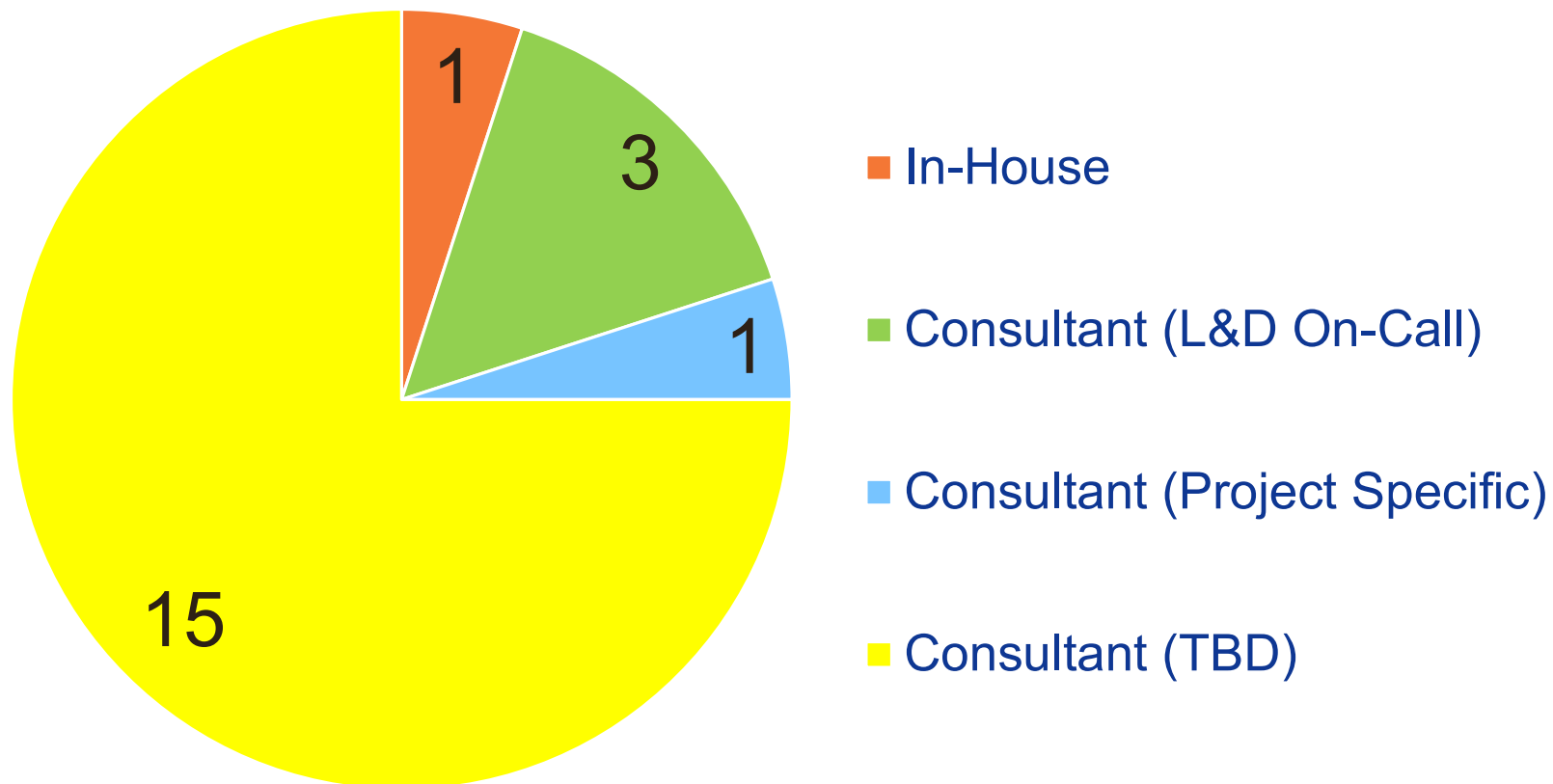
## SMART Scale Round 5 Staff Recommended Scenario

App ID	Project	Organization	SMART Scale Request	SMART Scale Score
9272	Rte. 28 & Station Drive Roundabout	Fauquier County	\$9,254,511	6.63
9158	W. Lee / US 17 Business North / Winchester Intersection Improvement	Town of Warrenton	\$14,890,760	5.44
9159	Pipeline Project: Lee Highway / Blackwell Road Safety Improvement	Town of Warrenton	\$14,066,640	5.26



## **CULPEPER DISTRICT PROJECT DEVELOPMENT**

### Culpeper L&D Upcoming Design Projects 2023 - 2025



## **CULPEPER DISTRICT PROJECT DEVELOPMENT**

### **Planned CN Advertisements (CY23)**

<b>UPC</b>	<b>Project</b>	<b>Location</b>	<b>Scheduled Advertisement Date</b>
<b>109587</b>	<b>US 29 / Rte. 662 (Shelby Road) RCUT</b>	<b>Madison County</b>	<b>August 2023</b>
<b>111740</b>	<b>Roundabout at US 522 &amp; Rte. 208</b>	<b>Louisa County</b>	<b>September 2023</b>
<b>111647</b>	<b>Broadview Avenue Access Management Improvements</b>	<b>Town of Warrenton</b>	<b>September 2023</b>
<b>111648</b>	<b>Broadview Ave. / Frost Ave. Intersection Improvements</b>	<b>Town of Warrenton</b>	<b>September 2023</b>



# Culpeper District Project Development

## Questions?

# Culpeper Construction

**Satish Airi, P.E.**

***Area Construction Engineer***

*Satish.Airi@VDOT.Virginia.gov*

***CULPEPER DISTRICT  
PROJECT DELIVERY***

**Construction Section Heads**

**Northern Region ACE: Satish Airi, PE**

**Southern Region ACE: Joel Kauppila, PE**

**Design-Build/LAP ACE: Will Stowe, PE**

**District Materials Engineer: Haroon Shami, PE**

**District Contracts Manager: Michael Coffey, VCO**

**Local Assistance Manager: Patrick Moore, PE**

**CULPEPER DISTRICT  
PROJECT DELIVERY**

## **2023 Construction Program**

**FY 2023:**

**18 Projects to be delivered in 2023**

**Total Value: \$77.2 million**

## **CULPEPER DISTRICT PROJECT DELIVERY**

# **FY2022 CN Performance**

**July 2021 – June 2022**

<b>Measure</b>	<b>FY22 Target</b>	<b>FY22 Results</b>
<b>On-Time (all projects)</b>	<b>77%</b>	<b>76%</b>
<b>On-Budget (all projects)</b>	<b>85%</b>	<b>82%</b>
<b>Environmental Compl.</b>	<b>100%</b>	<b>100%</b>
<b>CQIP</b>	<b>91%</b>	<b>98%</b>

**CULPEPER DISTRICT  
PROJECT DELIVERY**

**FY2023 CN Performance**  
July 2022 – June 2023

Measure	FY23 Target	FY23 Results
On-Time (all projects)	77%	56%
On-Budget (all projects)	85%	76%
Environmental Compl.	100%	100%
CQIP	91%	91%

# 2023 Upcoming Advertisements

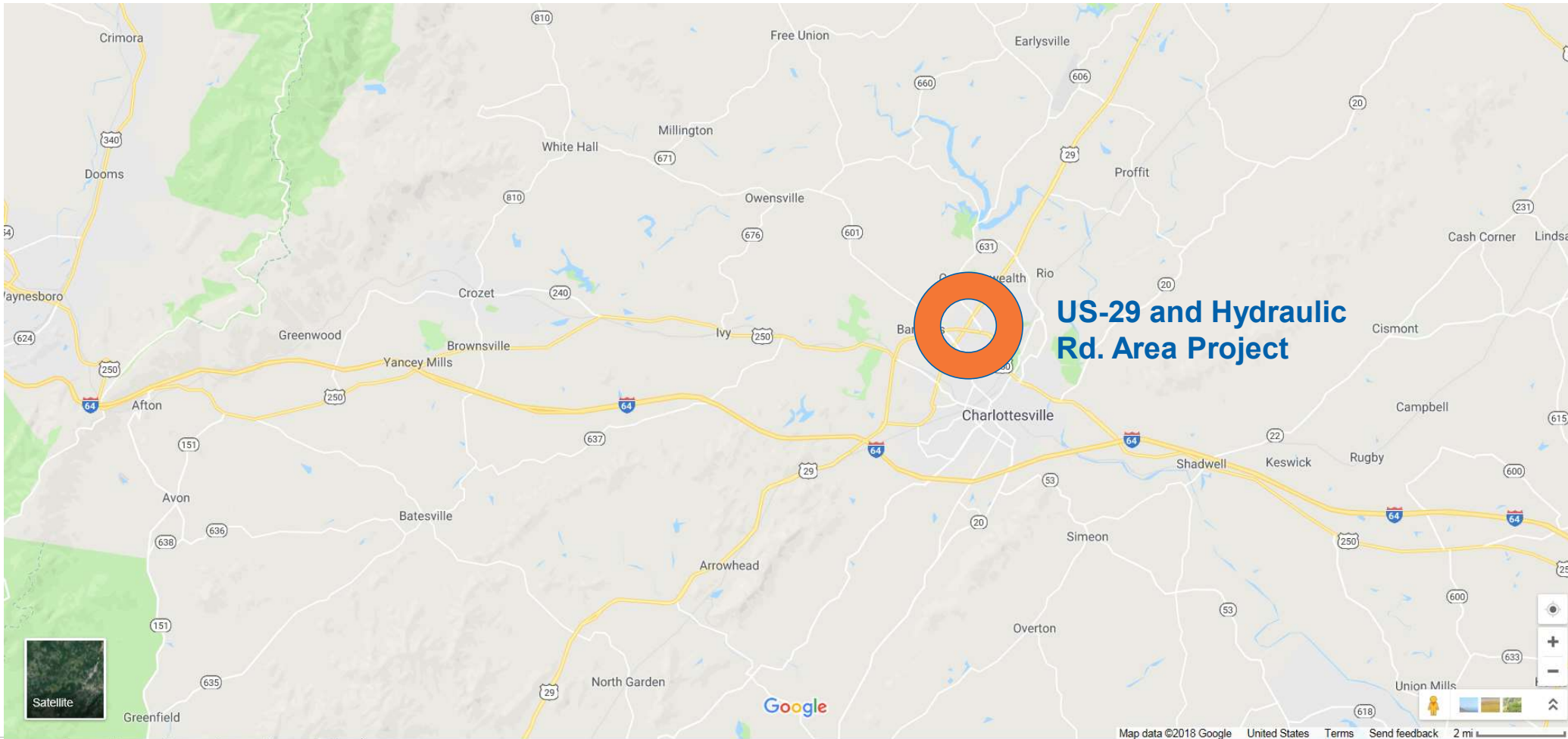
Anticipated Ad	UPC	Estimate	
January 2023	Hydraulic Bundle	118880	\$24,030,488
January 2023	US 250/240/680 Roundabout	111729	\$2,600,000
January 2023	SGR: Replace str. 6021	113504	\$2,420,000
January 2023	I-64 bridge rehabilitation Str. 2063 and 2064	122449	\$1,968,188
March 2023	Paint 3 str.: Albemarle, Louisa, Culpeper	122481	\$1,500,000
March 2023	Replace 3 structures: 6229-6231	118802	\$1,000,000
April 2023	Replace str. 792: North Fork Hardware	111378	\$4,000,000
July 2023	SGR: Replace str. 6003	112880	\$3,650,000
Summer 2023	Albemarle Bundle 2	118875	\$30,400,000
September 2023	US 522/Route 208 intr. imp. (SS2018)	111740	\$3,400,000
August 2023	US 29/662 J-Turn Shelby HSIP-SS#3	109587	\$3,200,000
August 2023	Warrenton: Broadview/Frost Ave intersection (SS2018)	111647-48	\$4,800,000
October 2023	Replace str. 6042 over Marsh Run	110000	\$1,200,000
November 2023	Scour repair multiple structures	122277	\$600,000
November 2023	Replace bridge 6010	110481	\$1,600,000

# 2024 Upcoming Advertisements

Anticipated Ad		UPC	Estimate
January 2024	Superstructure replacement 6261	111776	\$2,258,000
April 2024	Rte. 601 curve realignment SS18	111742	\$700,000
April 2024	District-wide curve delineation installations	116006	\$2,964,000
May 2024	Madison Main St. sidewalk	118087	\$208,000
July 2024	I-66 WB - Exit 31 - Extend deceleration lane and install warning signs	120486	\$800,000
August 2024	Barboursville Roundabout	115475	\$4,000,000
August 2024	Improve bicycle and pedestrian connections	116917	\$409,000
September 2024	SGR: Replace str. 6059 over Little River	109599	\$1,400,000
October 2024	New Rte. 670 connector rd (SS2018)	111650	\$3,820,000
October 2024	Exit 107 Park & Ride lot	118872	\$2,256,000
October 2024	Repl. str. 6070 over Lickinghole Creek	118405	\$3,300,000
October 2024	US 29 and Fontaine Ave. interchange improvements	118868	\$13,620,723
October 2024	Roundabt McDevit Dr. & Rte.3 SS20	115474	\$3,500,000
November 2024	Rte.600/618 intersection impr	111739	\$1,125,000
November 2024	Scottsville ped. improvements	116916	\$225,000
November 2024	Repl. str.6120 over Hughes River	118431	\$4,500,000
December 2024	Berkmar Ext. to Airport Rd. connector rd	116905	\$8,338,000
December 2024	US17 & Covington Corner R-CUT	118864	\$6,162,000
December 2024	I-66 R-CUT & Roundabout (UPC118866, 118869)	120748	\$12,881,129



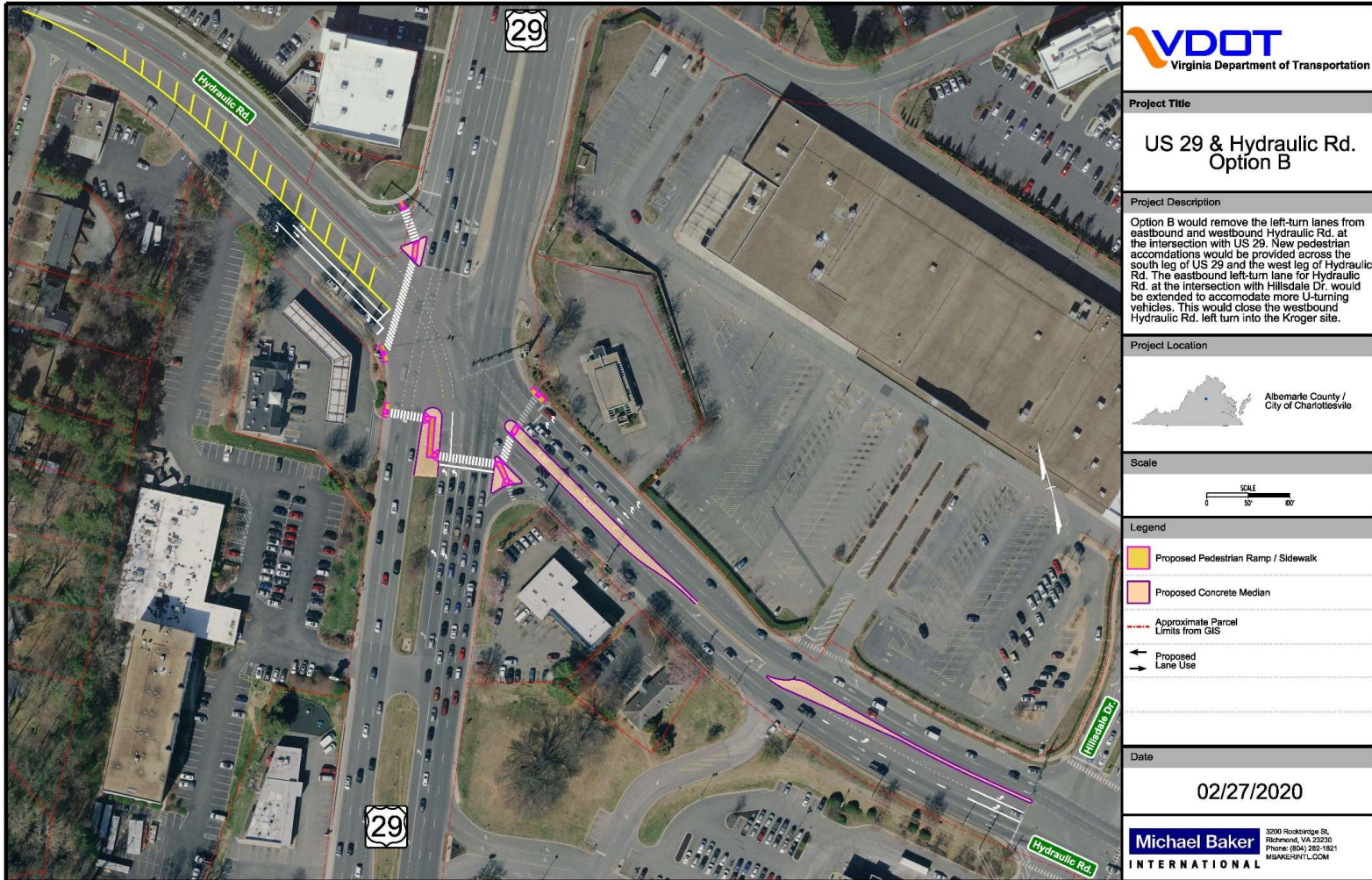
# Hydraulic Design Build Bundle



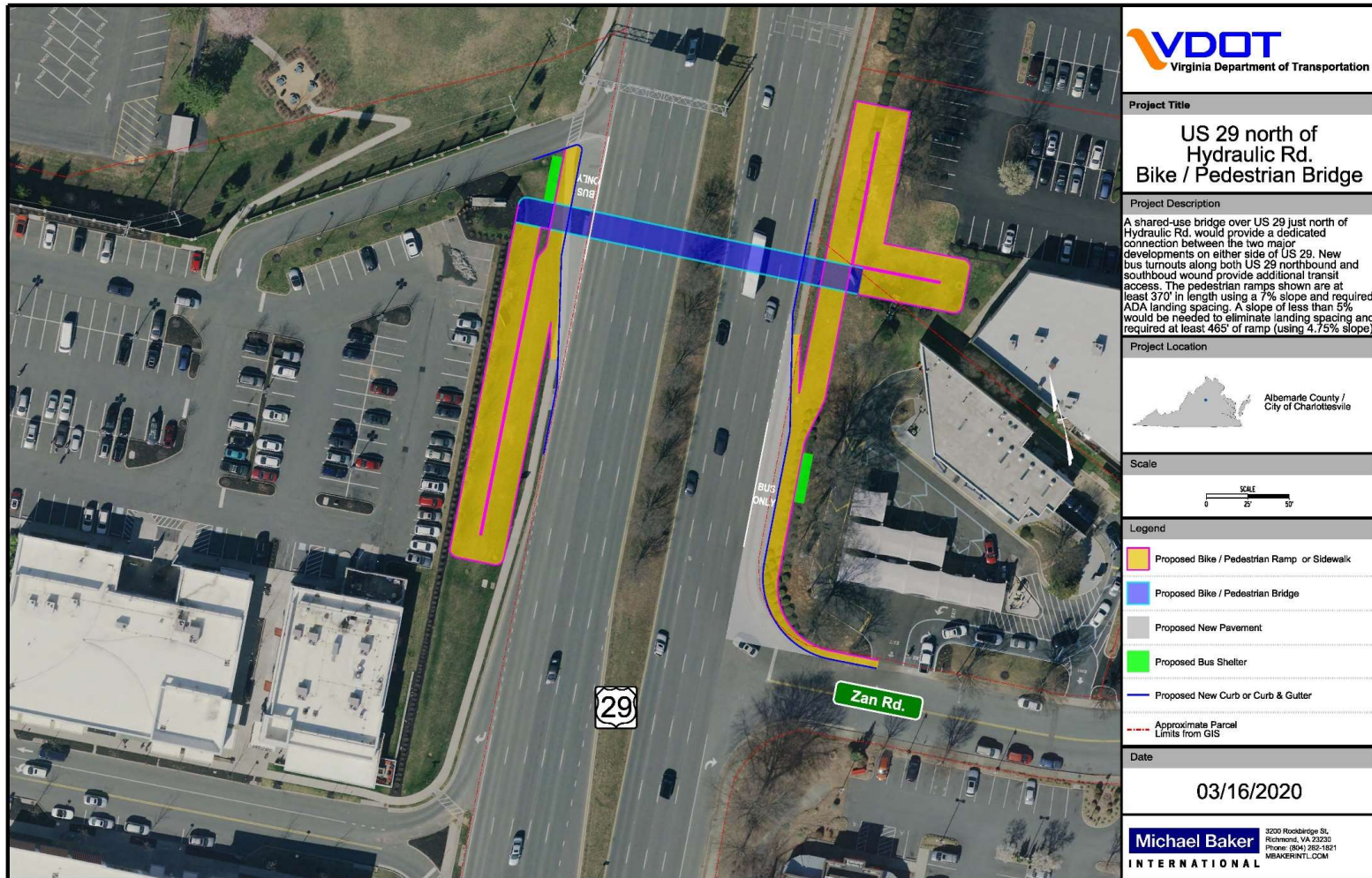
# Transportation Improvements to US 29 and Hydraulic Rd. Area



# Transportation Improvements to US 29 and Hydraulic Rd. Area



# Transportation Improvements to US 29 and Hydraulic Rd. Area



# Transportation Improvements to US 29 and Hydraulic Rd. Area



# Transportation Improvements to US 29 and Hydraulic Rd. Area



**Project Title**  
**Hydraulic Rd. "Road Diet" and Shared Use Path Installation**

**Project Description**  
 The Hydraulic Rd. "Road Diet" would make the outer most lane for Hydraulic Rd. westbound a lane exclusively for right-turns in and out of the side streets of Michie Dr. and Brandywine Dr. A single through lane would remain for westbound traffic until after Michie Dr. This concept would increase access to / from Michie Dr. and Brandywine Dr. while encouraging traffic to utilize US 29 NB that would be improved by projects at US 29 & Angus Rd. and US 29 & Hydraulic Rd.

**Project Location**

Albemarle County / City of Charlottesville

**Scale**

SCALE  
 0 50' 100'

- Legend**
- Proposed Sidewalk / Share-Use Path
  - Proposed Concrete Median
  - Proposed Grass Median
  - Proposed New Pavement
  - Proposed New Curb of Curb & Gutter
  - Approximate Parcel Limits from GIS
  - Proposed Lane Use

**Date**  
 07/06/2020

**Michael Baker INTERNATIONAL**  
 3200 Rockbridge Bl.  
 Richmond, VA 23220  
 Phone: (804) 282-1821  
 MBAKERINTL.COM



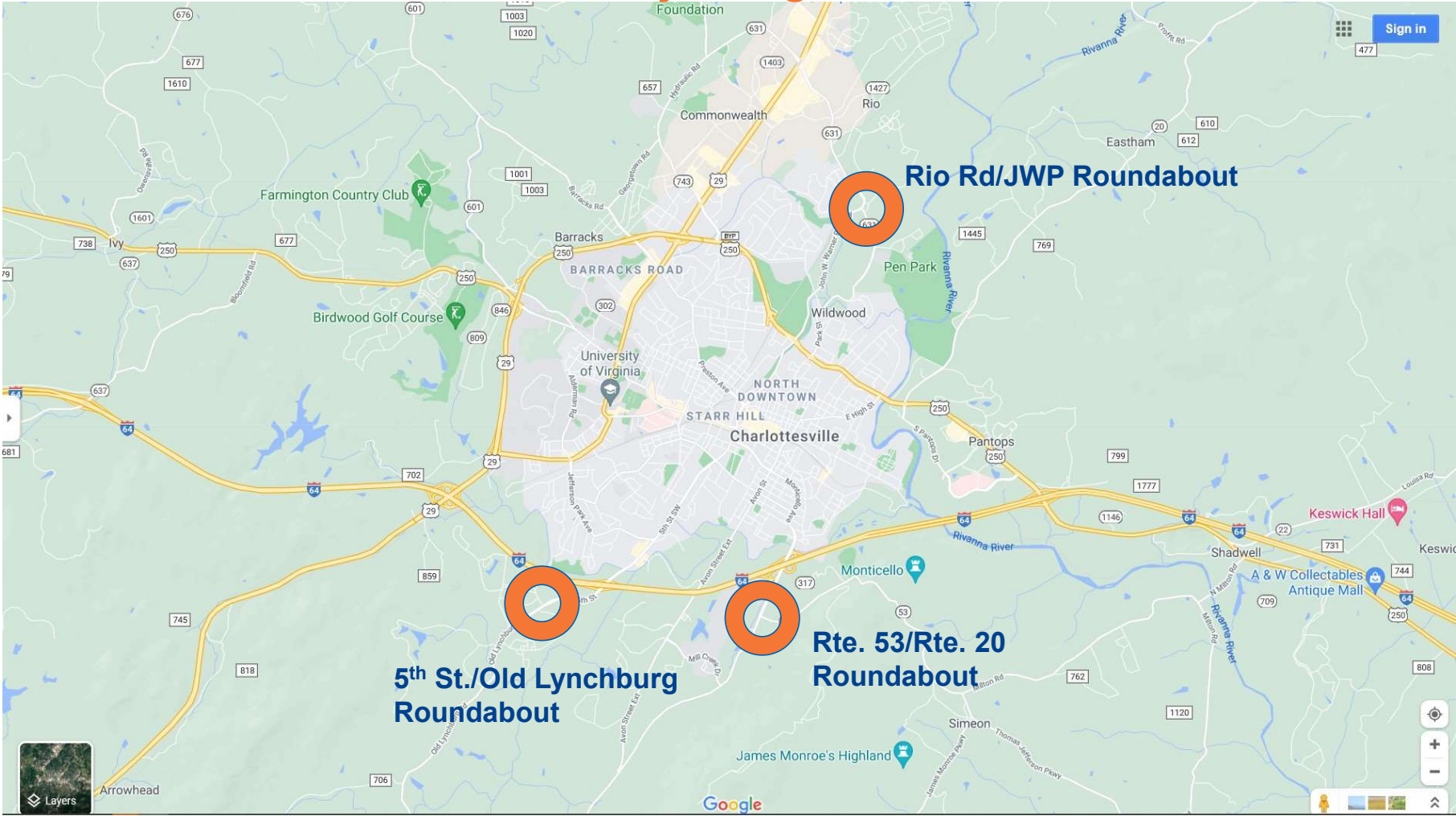
# ALBEMARLE BUNDLE #2 DESIGN-BUILD PROJECT

UPCs 118875, 118876, & 118878

 Culpeper District

February 23, 2022

# Albemarle County Design Build Bundle #2





# Albemarle Bundle #2 – Rte. 20 & Rte. 53 Roundabout

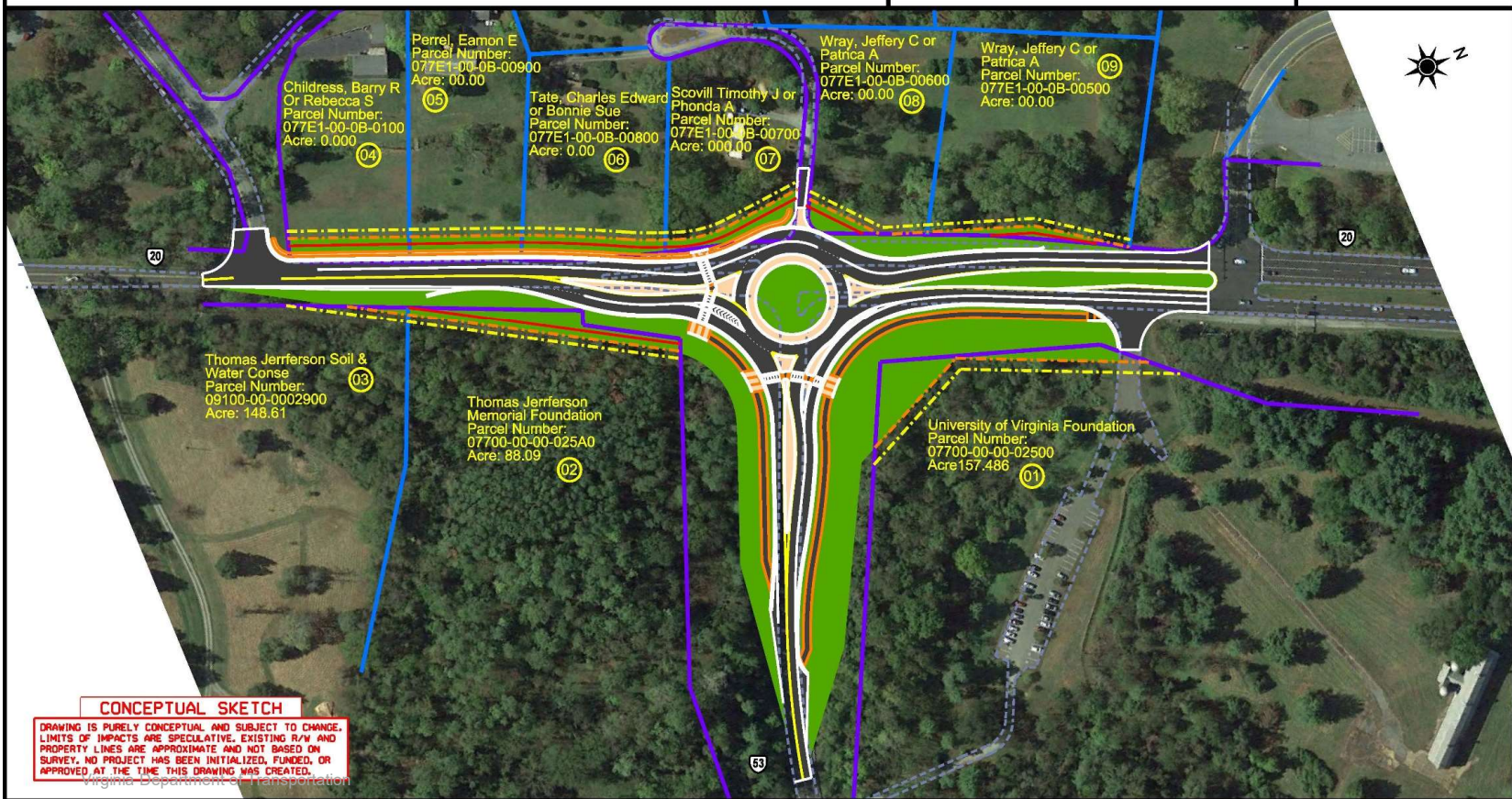
**VDOT** Virginia Department of Transportation  
Culpeper District Design Unit

Route 20/53  
Roundabout Concept  
August 2020

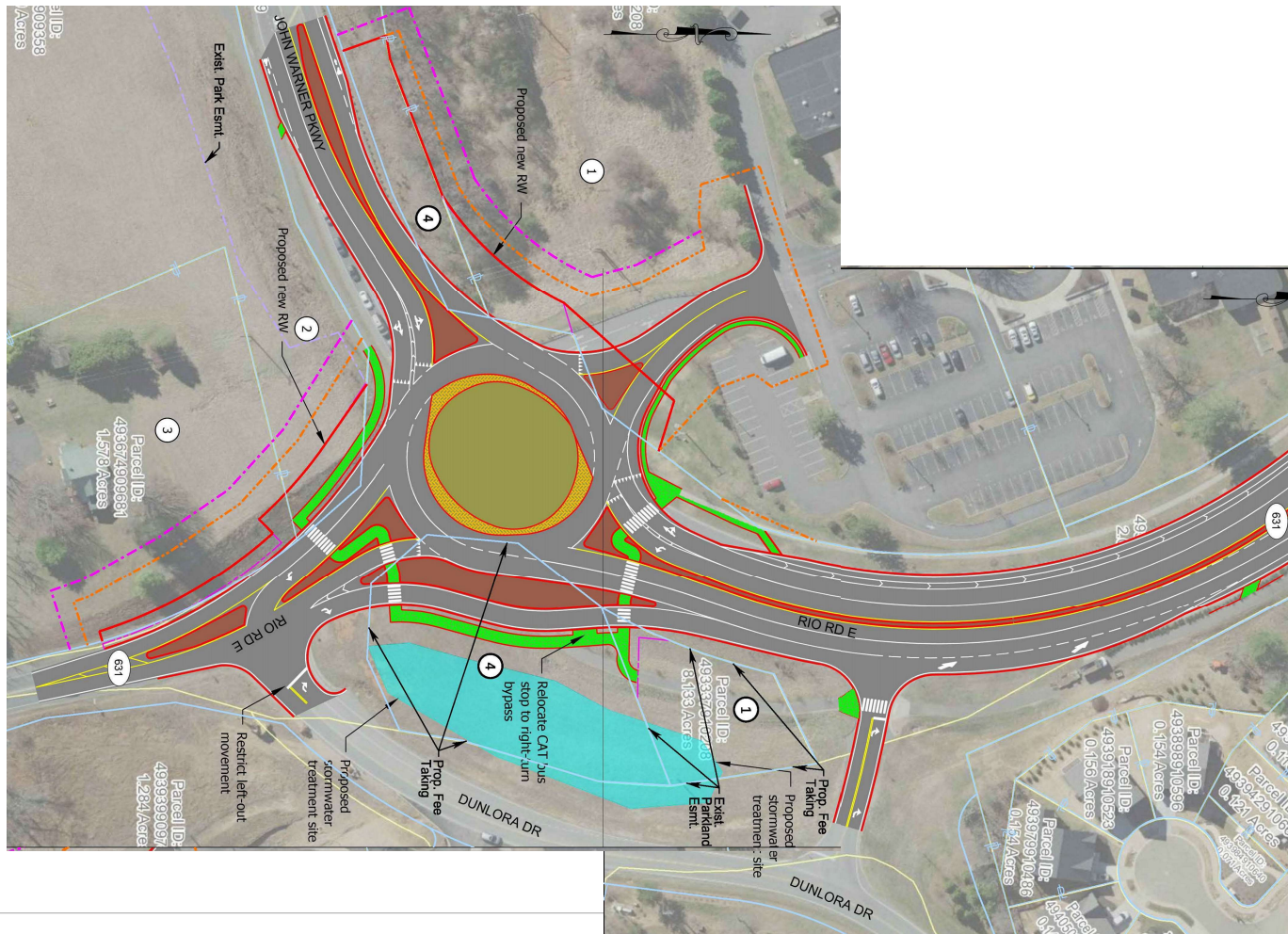
**Legend**

- Concrete Sidewalk
- Concrete Median/Curb/Truck Apron
- Proposed ROW
- Existing ROW (from GIS)
- Proposed Utility Easement

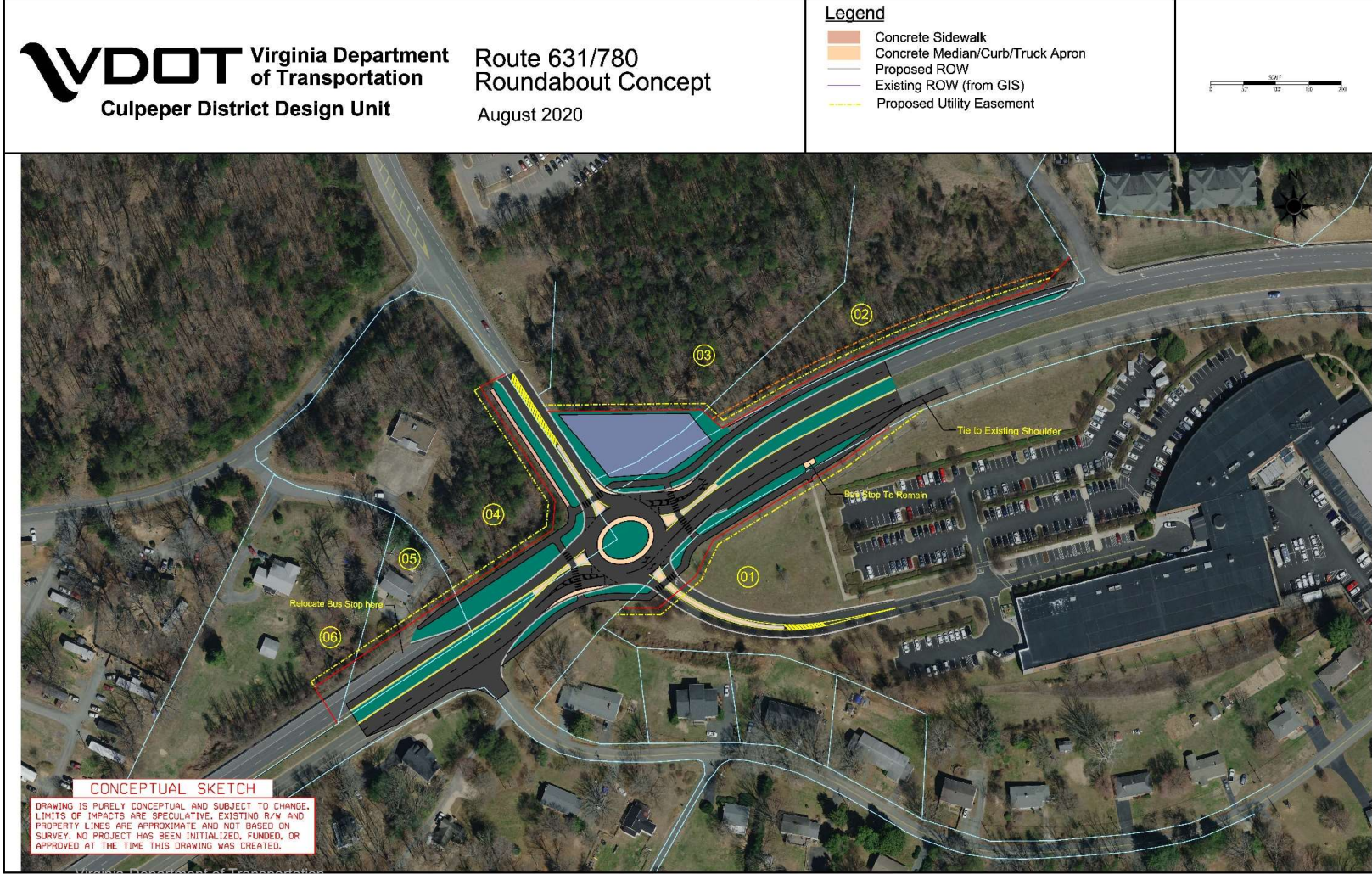
Location: Albemarle County



# Albemarle Bundle #2 – Rio Road & John Warner Parkway Roundabout



# Albemarle Bundle #2 – Old Lynchburg Rd / 5th St Ext. Roundabout



## Albemarle Bundle #2

### Status of Project:

- Survey is under way
- PE is under way

### Tentative Schedule:

- |                               |             |
|-------------------------------|-------------|
| • Public Hearing              | Summer 2023 |
| • Advertise RFQ               | Summer 2023 |
| • Statements of Qualification | Fall 2023   |
| • RFP Release                 | Fall 2023   |
| • Anticipated CTB Award Date  | Spring 2024 |

# ***CULPEPER DISTRICT PROJECT DELIVERY***

## **Current Consulting Services**

### **District Wide CEI Services**

- 1 – CES (1<sup>st</sup> Term Expires July 2023)**
- 2 - Alpha (Award Spring 2023)**
- 3 - ATCS (Award Spring 2023)**

# ***CULPEPER DISTRICT PROJECT DELIVERY***

## **Focus for 2023**

**Safety**

**Consistency**

**Local Assistance Program**

# Culpeper District Project Delivery

## Questions?

# Culpeper Maintenance

**David Pearce, P.E.**  
***District Maintenance Engineer***  
*David.pearce@VDOT.Virginia.gov*



# Culpeper District Maintenance Staff

## District Maintenance Engineer – David Pearce, PE

- District Bridge Engineer: Teresa Gothard, PE
- District Infrastructure Manager: Travis Estes
- District Equipment Manager: John Brunette
- District Safety Manager: *Vacant*

## Resident Engineers/Administrators

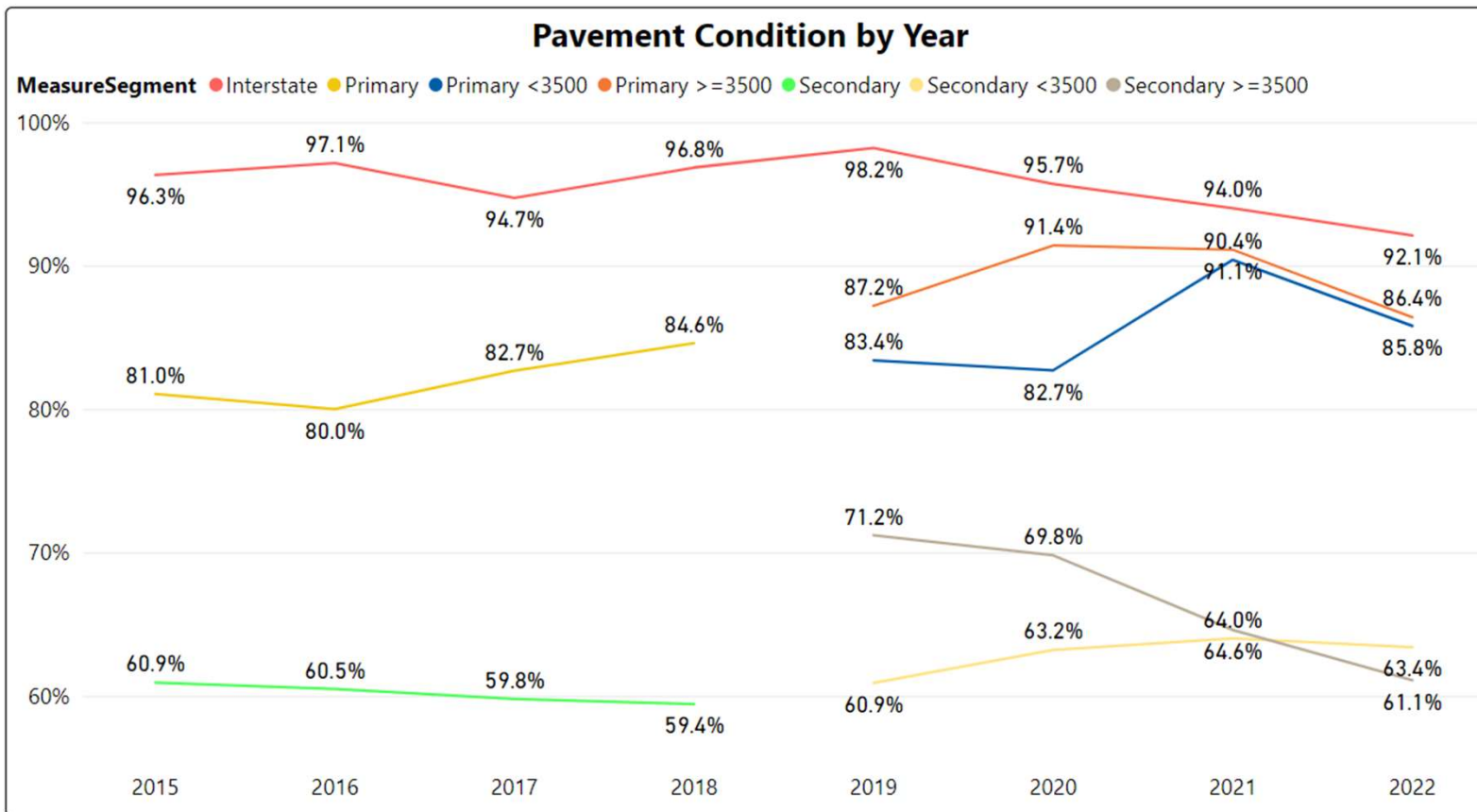
- Charlottesville Residency: Carrie Shephard, PE
- Louisa Residency: Scott Thornton
- Warrenton Residency – Mark Nesbit, PE

# Maintenance Program

## Contracting Opportunities

- **Infrastructure**
  - Debris Cleanup
  - Pipe Rehab
  - Stormwater Management Inspection/Maintenance – Underground Facility
- **Residency**
  - Tailgate and Delivered Stone
  - FOB Stone
  - Salt Pond Pumping, Cleaning and Disposal
  - Ditching
  - Shoulder Maintenance

# Culpeper District Pavement Condition Trend



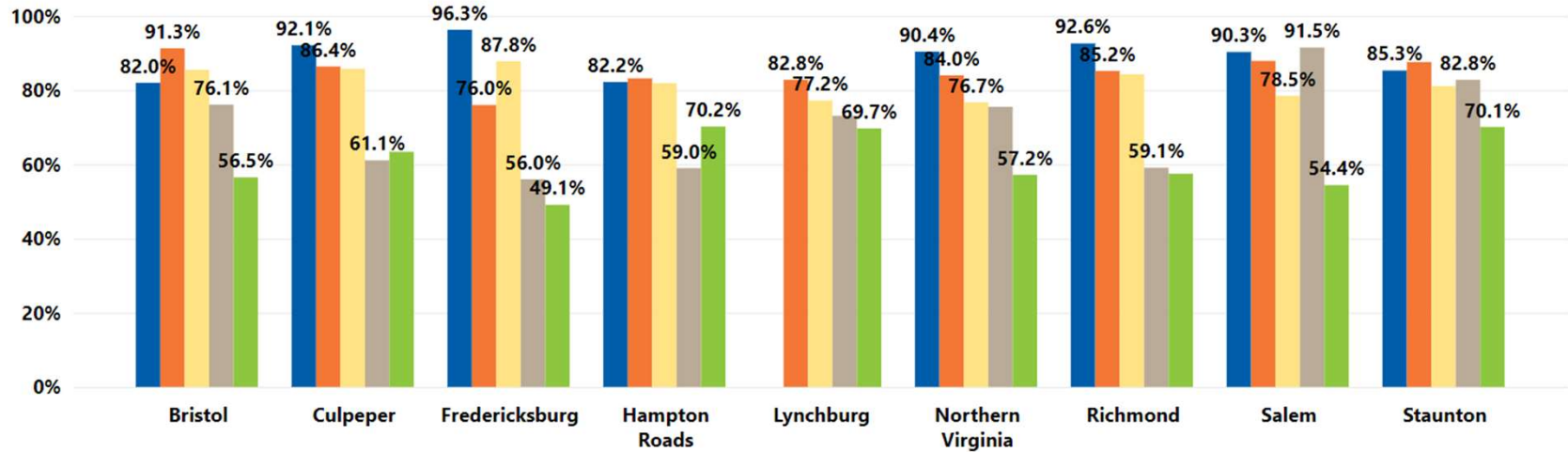
# Statewide Pavement Conditions

Data Date  
2022 Pavement Summary

## Pavement Condition

### Percent of Pavement Rated Sufficient

● Interstate % ● Primary >= 3500 % ● Primary < 3500 % ● Secondary >=3500 % ● Secondary < 3500 %



### Pavement Condition by District

	Target	Bristol	Culpeper	Fredericksburg	Hampton Roads	Lynchburg	Northern Virginia	Richmond	Salem	Staunton	Statewide
Interstate %	82.0%	82.0%	92.1%	96.3%	82.2%		90.4%	92.6%	90.3%	85.3%	88.3%
Primary >=3500 %	82.0%	91.3%	86.4%	76.0%	83.2%	82.8%	84.0%	85.2%	87.9%	87.6%	84.7%
Primary < 3500 %	75.0%	85.5%	85.8%	87.8%	81.9%	77.2%	76.7%	84.3%	78.5%	81.1%	82.2%
Secondary >= 3500 %	82.0%	76.1%	61.1%	56.0%	59.0%	73.1%	75.5%	59.1%	91.5%	82.8%	70.5%
Secondary < 3500 %	60.0%	56.5%	63.4%	49.1%	70.2%	69.7%	57.2%	57.5%	54.4%	70.1%	60.4%

# Programmed Lane Miles and Allocation

	CY 2019		CY 2020		CY 2021		CY 2022		CY2023	
	Quantity	Lane Miles	Quantity	Lane Miles	Quantity	Lane Miles	Quantity	Lane Miles	Quantity	Lane Miles
<b>Asphalt (Tons)</b>	234,627	252	194,633	235	87,766	124	101,862	127	109,026.31	140.95
<b>LMET (Tons)</b>	6,846	73	4,891	59	0	0	1,859	21	3,125	36.62
<b>Surface Treatment (SY)</b>	2,659,093	461	1,819,395	322	1,037,024	189	1,113,139	196	1,933,421	334.92
<b>Slurry Seal (SY)</b>	136,846	19	49,815	8	0	0	0	0	0	0
<b>Totals</b>		<b>805</b>		<b>624</b>		<b>313</b>		<b>344</b>		<b>512.49</b>
<b>Interstate</b>		8		10		5		11		15.5
<b>Primary</b>		208		188		34		48		69.7
<b>Secondary</b>		589		426		274		285		427.29
<b>Allocation - Includes SGR</b>	<b>\$33.0 million</b>		<b>\$30.6 million</b>		<b>13.8 million</b>		<b>16.51 million</b>		<b>24.2 million</b>	

## CY 2023 Program

Contract	Description	Quantity	Lane Miles
ST7A-967-F23, P401	Surface Treatment - District Wide	951,340.08 SY	165.34
ST7B-967-F23, P401	Surface Treatment - District Wide	952,707.00 SY	169.58
LM7A-967-F23, P401	Latex Modified - District Wide	3,125.00 Tons	36.62
PM7B-967-F23, P401	Plant Mix - Albemarle, Greene and Madison	20,101.72 Tons	19.35
PM7C-967-F23, P401	Plant Mix - Culpeper, Fauquier and Rappahannock	31,563.54 Tons	49.96
PM7D-967-F23, P401	Plant Mix - I64 - Louisa County	15,378.20 Tons	11.82
PM7E-967-F23, P401	Plant Mix - Culpeper and Madison	19,269.10 Tons	29.22
PM7G-967-F23, P401	SGR Plant Mix - Town of Warrenton and Rappahannock	31,567.56 Tons	30.6
		<b>Total LM</b>	<b>512.49</b>

## CY 2023 vs CY 2024 LM Targets

CY23			CY24		
System	Treatment	LM	System	Treatment	LM
Interstate	PM	5	Interstate	PM	12
	CM	12		CM	13
	RM	4	Primary AADT ≥ 3,500	PM	2
Primary AADT ≥ 3,500	PM	17		CM	100
	CM	34	Primary AADT < 3,500	PM	0
	RM	6		CM	10
Primary AADT < 3,500	PM	5	Secondary AADT ≥ 3,500	PM	10
	CM	6		CM	61
	RM	0	Secondary AADT < 3,500	PM	52
Secondary AADT ≥ 3,500	PM	12		CM	303
	CM	25	<b>Total LM</b>		<b>563</b>
Secondary AADT < 3,500	PM	18			
	CM	198			
<b>Total LM</b>		<b>342</b>			

# U.S 15 Pilot Project – Resurfacing and Routine Maintenance

**Scope:** An 11-mile stretch of U.S 15 in Louisa County will be improved through a resurfacing project. Routine maintenance will be performed where necessary in conjunction with roadway resurfacing.

- **Routine Maintenance to include:**
  - Roadway Resurfacing – Mill and Fill
  - Trenching/Shoulder Widening
  - Ditching – In accordance with Best Practices to promote positive drainage
  - Driveway Pipe – Flushing, potential replacement, or installation to promote positive drainage
  - Shoulder Rehabilitation – Shoulder prep and Safety Edge
  - Tree Trimming – Re-establish horizontal and vertical clearance
  - Guardrail – Upgrade
  - Pipe Replacement/Rehab – 10 pipes
  - Pipe Cleaning – 39 pipes
  - Sign Replacement – Upgrades, New
  - Markings and Markers

**Project Limits:** U.S. 15 Louisa Co.; From Sheetz intersection to Louisa/Orange County line (From state mile post 121.30 to 131.92)

**Timeframe:** Advertise April 2024; construction complete November 2025





# Culpeper District Maintenance

## Questions?

# Culpeper Structure & Bridge

**Teresa Gothard, P.E.**  
***District Bridge Engineer***

*Teresa.Gothard@VDOT.Virginia.gov*

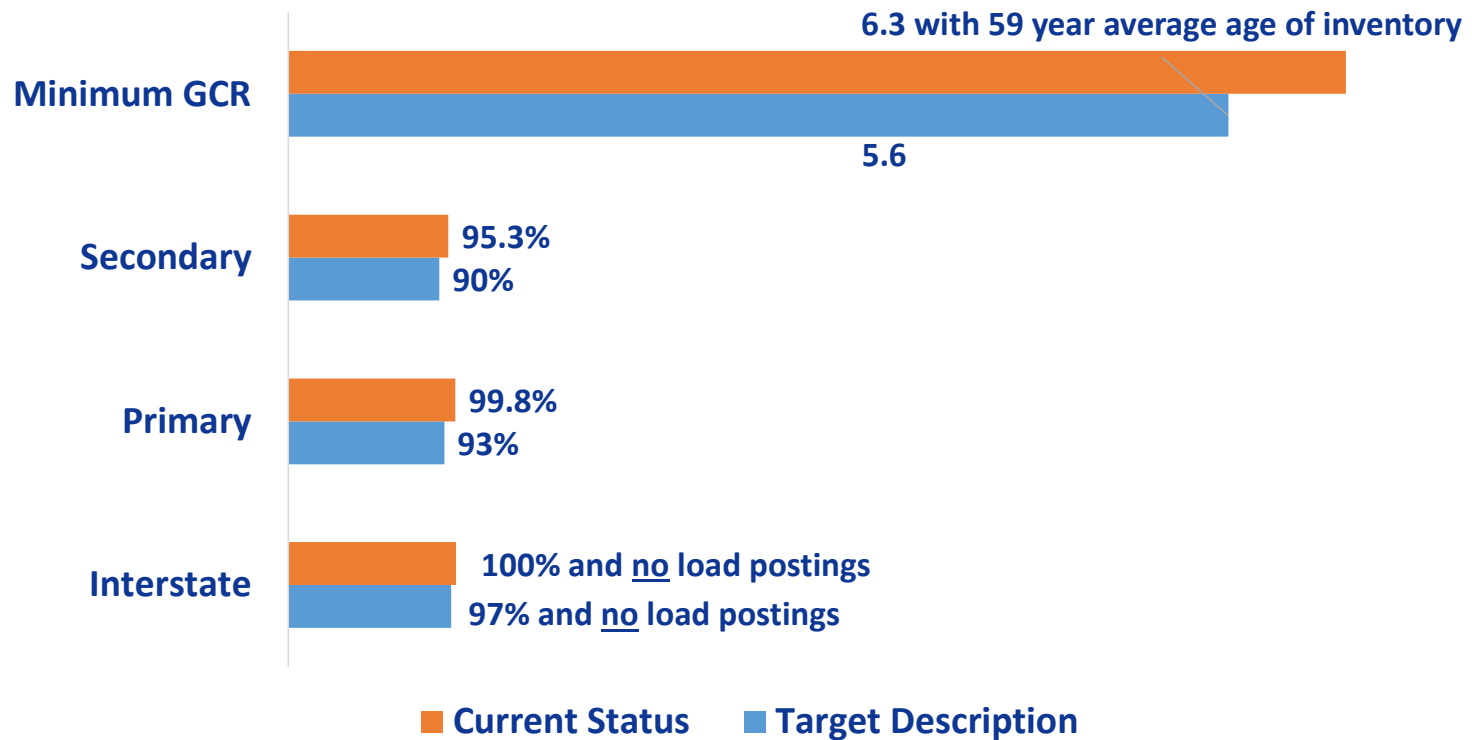
## CULPEPER DISTRICT MAINTENANCE

### PERFORMANCE MEASURE TARGETS

Target Description	Current Status
Interstate - 97% non “Poor” and <u>no</u> load postings	100% and <u>no</u> load postings
Primary - 93% non “Poor”	99.8%
Secondary - 90% non “Poor”	95.3%
GCR - Minimum 5.6	GCR of 6.3 with 59-year average age of inventory

# CULPEPER DISTRICT MAINTENANCE

## PERFORMANCE MEASURE TARGETS



# **CULPEPER DISTRICT MAINTENANCE ONGOING BRIDGE PROJECTS**

UPC	Description	CN Estimate
115014	District Wide Preventative Maintenance Contract, 3rd year	\$6.6 million expended to date
117327	District Wide Bridge Washing	\$0.5 million
120690	I-66 Latex Overlay	\$1.3 million
120755	Bridge Paint Contract	\$1.0 million
120757	I-64 Latex Overlay	\$1.3 million

# CULPEPER DISTRICT MAINTENANCE

## ONGOING BRIDGE PROJECTS



Route	Description
707	Rte. 707 over Stream Structure Replacement Madison County

Route	Description
667	Rte. 667 over Piney Creek Structure Replacement Albemarle County



## **CULPEPER DISTRICT MAINTENANCE**

### **UPCOMING BRIDGE PROJECTS**

<b>UPC</b>	<b>Description</b>	<b>Ad Date</b>	<b>CN Estimate</b>
<b>122449</b>	<b>I-64 Beam End Repairs 2 Structures</b>	<b>Let 2/22/2023</b>	<b>\$1.7 million</b>
<b>121740</b>	<b>District Wide Washing</b>	<b>6/2023</b>	<b>\$0.5 million</b>
<b>121080</b>	<b>District Wide Preventative Maintenance</b>	<b>8/2023</b>	<b>\$1.9 million</b>
<b>122277</b>	<b>District Wide Scour Repairs</b>	<b>11/2023</b>	<b>\$0.6 million</b>
<b>122481</b>	<b>District Paint Contract</b>	<b>12/2023</b>	<b>\$1.5 million</b>

# **CULPEPER DISTRICT MAINTENANCE**

## **UPCOMING BRIDGE PROJECTS**



**UPC 113504 – Rte. 638 over South River  
Bridge Replacement  
AD January 2023 – LET February 2023  
\$1.7 million – DBF funds**

**UPC 111378 – Rte. 708 over North Fork  
Hardware River  
Superstructure Replacement  
AD July 2023 with \$4.2 million – SGR funds**





## ***CULPEPER DISTRICT MAINTENANCE***

### **UPCOMING/FUTURE BRIDGE PROJECTS**

#### **Minor Maintenance Rehabilitation Contracts**

- **UPC 118802 – 3 structures in Albemarle to be replaced with boxes/culverts: CN estimate \$1 million**
- **2 Latex Overlay Contracts on I-64 & I-66: CN estimate \$3.9 million**

#### **10 Bridge Replacement/Rehabilitation Projects**

- **9 Secondary Routes: Bridge and Superstructure Replacements**
- **1 Interstate Route: Superstructure Replacement**
- **Additional details on following slide**

#### **Potentially 2 New Bridge Replacement Projects**

- **SGR funds requested for secondary bridge replacement projects**
- **CN estimates total \$7.9 million – will know by end of June 2023**

# **CULPEPER DISTRICT MAINTENANCE UPCOMING/FUTURE BRIDGE PROJECTS**

<b>UPC</b>	<b>Project Description</b>	<b>County</b>	<b>CN Start</b>	<b>CN Estimate</b>
111776	Rte. 601 over Rte. 29/250 Bypass - Superstructure Replacement	Albemarle	Jan-24	\$4.0 million
118982	Rte. 675 over Norfolk Southern – Bridge Replacement	Orange	Nov-24	\$7.2 million
112880	Rte. 707 over Hughes River - Bridge Replacement	Madison	Jan-25	\$4.3 million
118431	Rte. 749 over Hughes River – Bridge Replacement	Madison	May-25	\$4.7 million
118405	Rte. 680 over Lickinghole Creek – Bridge Replacement	Albemarle	Jun-25	\$3.3 million
118983	Rte. 636 over Swift Run – Bridge Replacement	Greene	Jun-25	\$4.6 million
118430	Rte. 759 over Mechunk Creek – Bridge Replacement	Fluvanna	Oct-25	\$5.6 million
110000	Rte. 641 over Marsh Run - Bridge Replacement	Albemarle	Jan-26	\$1.3 million
120814	Rte. 66 over Broad Run - Superstructure Replacement	Fauquier	Sep-26	\$29.7 million
109599	Rte. 701 over Little River - Superstructure Replacement	Louisa	Feb-28	\$3.1 million

# Culpeper District Structure & Bridge

**Questions?**

# Culpeper District Local Assistance Program

**Patrick Moore, P.E.**  
*Program Manager*  
*Patrick.Moore@VDOT.Virginia.gov*



March 1, 2023

## LAP Program Goals

- Partner with localities to effectively develop and deliver quality projects.
- Ensure project development occurs in accordance with locality and VDOT expectations.
- Deliver locally administered projects on time and on budget.



# Types of Locally Administered Projects / Studies

- **Streetscape Projects**
- **Roundabout Construction**
- **New Roadways & Roadway Improvements**
- **Sidewalks & Shared Use Paths**
- **Milling & Paving Projects**
- **Bridge Projects (New and Rehabilitation)**
- **Rail Crossing Upgrades**
- **Transportation Facility Renovations (e.g. freight depots)**
- **Studies: Ready, Set, Go & GAP**

# Funding Sources for LAP Projects

## FEDERAL

- Smart Scale
- Transportation Alternatives
- Highway Safety Improvement Program
- State of Good Repair (Primary Extension & Local Bridges)

## STATE

- Revenue Sharing
- Access Programs (Airport, Economic, and Recreational)

## LOCAL

- Matching funds and/or contributing funds to augment budget
- Additional funds for all cost overruns

## 2023 Culpeper District Local Projects Outlook

- **Potentially \$ 52 M for 10 projects planned for CY 2023. Other projects slated for 2024 will be showcased by Charlottesville**
- **Application cycle is underway for Transportation Alternatives (TA) and Revenue Sharing (RS) projects:**
  - **Projects approved by CTB June 2024 for FY25 and FY26**
- **Smart Scale, HSIP, SGR, etc. are other possible LAP projects**



## **Culpeper District Town and County Design Opportunities for 2023**

- **On call architectural and engineering services (Albemarle)  
Now Accepting Proposals: 2023-RFP-3030723 Proposals  
Due: March 7, 2023**
- **Timber Fence Segment 2 CM/CEI (Town of Warrenton): Spring 2023.**

# Streetscape Projects to be Awarded in 2023

Funding Type	Project	Est. Bid Date	Construction Estimate
RS	Crozet Square/Oak Street - Albemarle	Winter 2023	\$1.1 Million
RS	Library Avenue – Albermarle	Winter 2023	\$6.5 Million



# Recreational Access Projects to be Bid in 2023

Fund Type	Project	Estimated Bidding	Construction Estimate
RECR	Biscuit Run Park – Albemarle	Winter 2023	\$ 450,000 Entrance Only



# Transportation Facilities to be Bid in 2023

Funding Type	Project	Estimated Bidding	Construction Estimate
TA	Remington Freight Depot	May 2023	\$ 400,000



# Culpeper District Town and County Planned Awards in 2023

Funds Type	Sidewalks and Trails Projects	Estimated Bidding	Construction Estimate
TA	W. Main St. Sidewalk Extension – Louisa	July 2023	\$ 1,212,907
Funds Type	Streetscapes/Road Project Bundle	Estimated Bidding	Construction Estimate
RS	Crozet Square/Oak Street – Albemarle	Winter 2023	\$ 1,078,450
RS	Library Avenue Extension to Parkside Village – Albemarle	Winter 2023	\$ 6,547,303
Funds Type	Recreational Access Projects	Estimated Bidding	Construction Estimate
RS	Biscuit Run Park–Albemarle	December 2023	\$ 450,000
Funds Type	Transportation Facilities Projects	Estimated Bidding	Construction Estimate
TA	Remington Freight Depot	May 2023	\$ 400,000
TA	Timber Fence Segment 2–Warrenton	Fall 2023	\$ 484,000

# Culpeper District Local Assistance

**Questions?**

# Culpeper Traffic Operations

**Troy Austin, P.E.**

***District Traffic Operations Director***

*nathran.austin@VDOT.Virginia.gov*

# Culpeper Traffic Operations Staff

## District Traffic Operations Director – Troy Austin, PE

- District Traffic Engineer: Steve Frooman, PE
- District Operations Maintenance Manager: Shawn Beavon
- District Signal Freeway Operations Engineer: Grant Sanders, PE
- District Incident Management Coordinator: Richie Lillard



# Traffic Operations Program

## Contracting Opportunities

- **OT Device Maintenance On-Call**
  - To be advertised later in 2023
- **I-64 Afton Congestion Warning System – Going to Ad on 2/14/23**
  - Includes sidefire detection installation for I-64 WB at MMs 96.9, 97.7, 99.3, 102.3, 104.5, 104.8 and 105.7
  - Loop detection for I-64 WB at MM 106.9
  - Overhead sign with actuated flashers for I-64 WB at MM 106.3
  - Alternate add-on for EB direction of I-64
  - Mandatory pre-bid/site visit on April 6 at the Charlottesville Residency

# Culpeper District Traffic Operations

**Questions?**