



# **SENIOR STATESMEN OF VIRGINIA VDOT, CULPEPER DISTRICT UPDATE**

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November 13, 2019

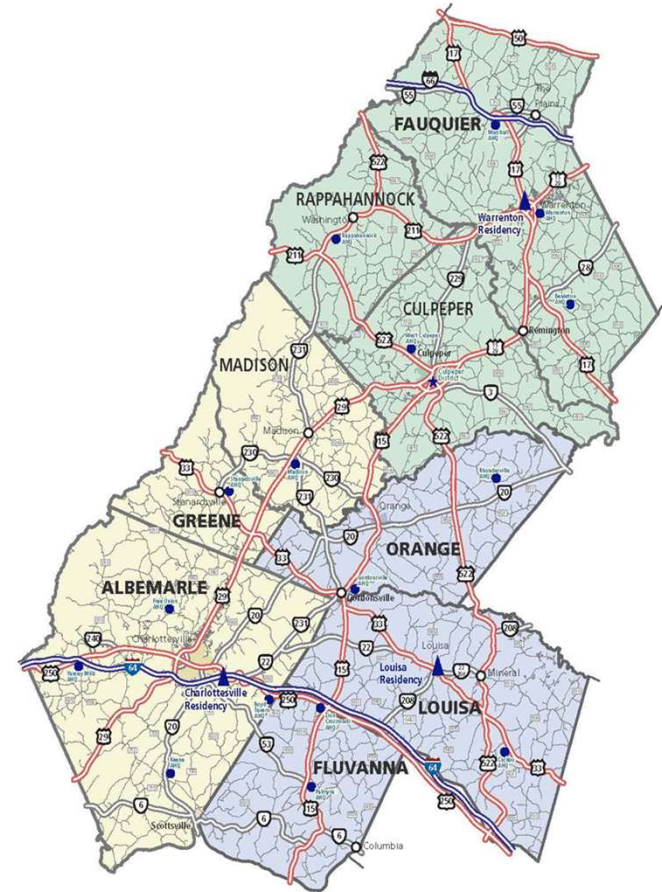
# Culpeper District Geography

## Nine Counties Bordered by:

- Route 50 to the North
- James River to the South
- Skyline Drive to the West
- Prince William, Spotsylvania, Hanover, and Goochland to the East

## Three Residency Offices:

- Charlottesville
- Louisa
- Warrenton



# Charlottesville Residency

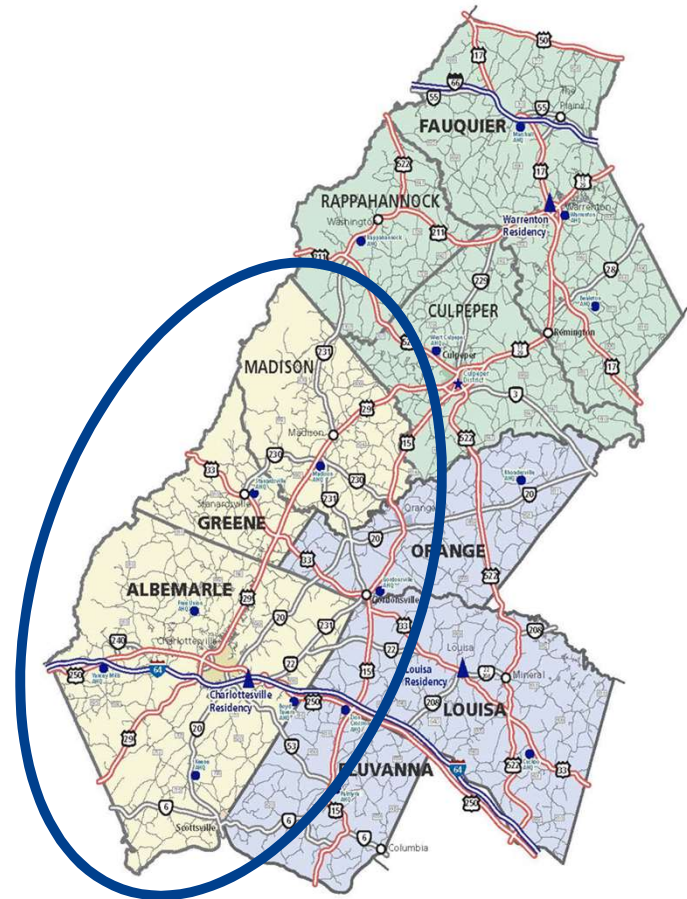
## Five Area Headquarters:

- Boyd Tavern (Albemarle)
- Keene (Albemarle)
- Yancey Mills (Albemarle)
- Free Union (Albemarle)
- Stanardsville (Greene)
- Madison (Madison)

## Residency Lane Mileage:

- 124.8 Interstate Miles
- 634 Primary Miles
- 2,861.4 Secondary Miles
- 8.98 Frontage Miles
- 3,629.18 Total Lane Miles

*Lane mileage as of Dec. 31, 2018*



# Culpeper District Construction Program

**6 active construction projects**  
**\$65.5M contract value**

**15 projects delivered in 2019**  
**\$35.5M contract value**

**77 projects in design**  
**\$151M project cost**



# SMART SCALE – Culpeper District Facts

	# Applications	# Funded	Amount
<i>Round 1</i>	17	11	\$85M
<i>Round 2</i>	35	11	\$51M
<i>Round 3</i>	43	6	\$32M

## *Round 4*

Now	coordinating with localities
Mar-Apr	pre-applications due
Jun-Aug	application period
Jan 2021	scores released
July 2021	projects approved by CTB

## Program Status

- **10 projects advertised since July 2016**
  - 4 complete
  - 6 under construction
- **2 projects to be advertised in the next 12 months**
  - Route 53/618 roundabout – November 2019
  - School Bus Road relocation – August 2020
- **13 projects in various stages of development**
- **3 projects (all Round 3) awaiting PE start**

**CULPEPER DISTRICT  
PROJECT DELIVERY**

## **FY2019 District Performance**

**July 2018 – June 2019**

	<b>FY19 Target</b>	<b>FY19 Results</b>
<b>On-Time (all projects)</b>	<b>77%</b>	<b>77%</b>
<b>On-Budget (all projects)</b>	<b>85%</b>	<b>88%</b>
<b>Environmental Compliance</b>	<b>100%</b>	<b>100%</b>
<b>Construction Quality Improvement Program</b>	<b>91%</b>	<b>97%</b>



# Route 29 Solutions: Results

## Motor vehicle crashes \*

- 43% reduction in crashes
- 54% reduction injury crashes

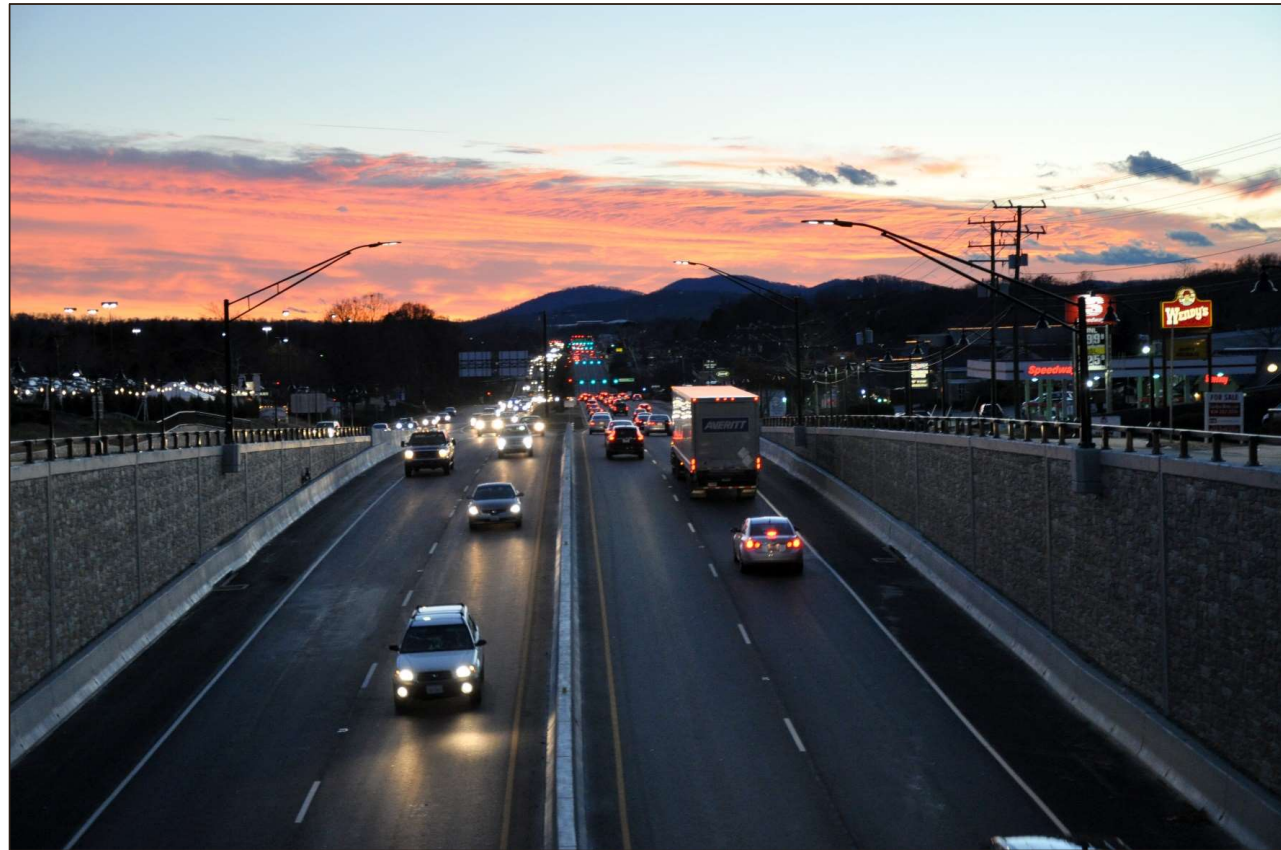
## Corridor travel times \*\*

- 15% reduction SB peak time
- 31% reduction NB peak time

Annual cost savings based on travel time reduction: \$4.5 M

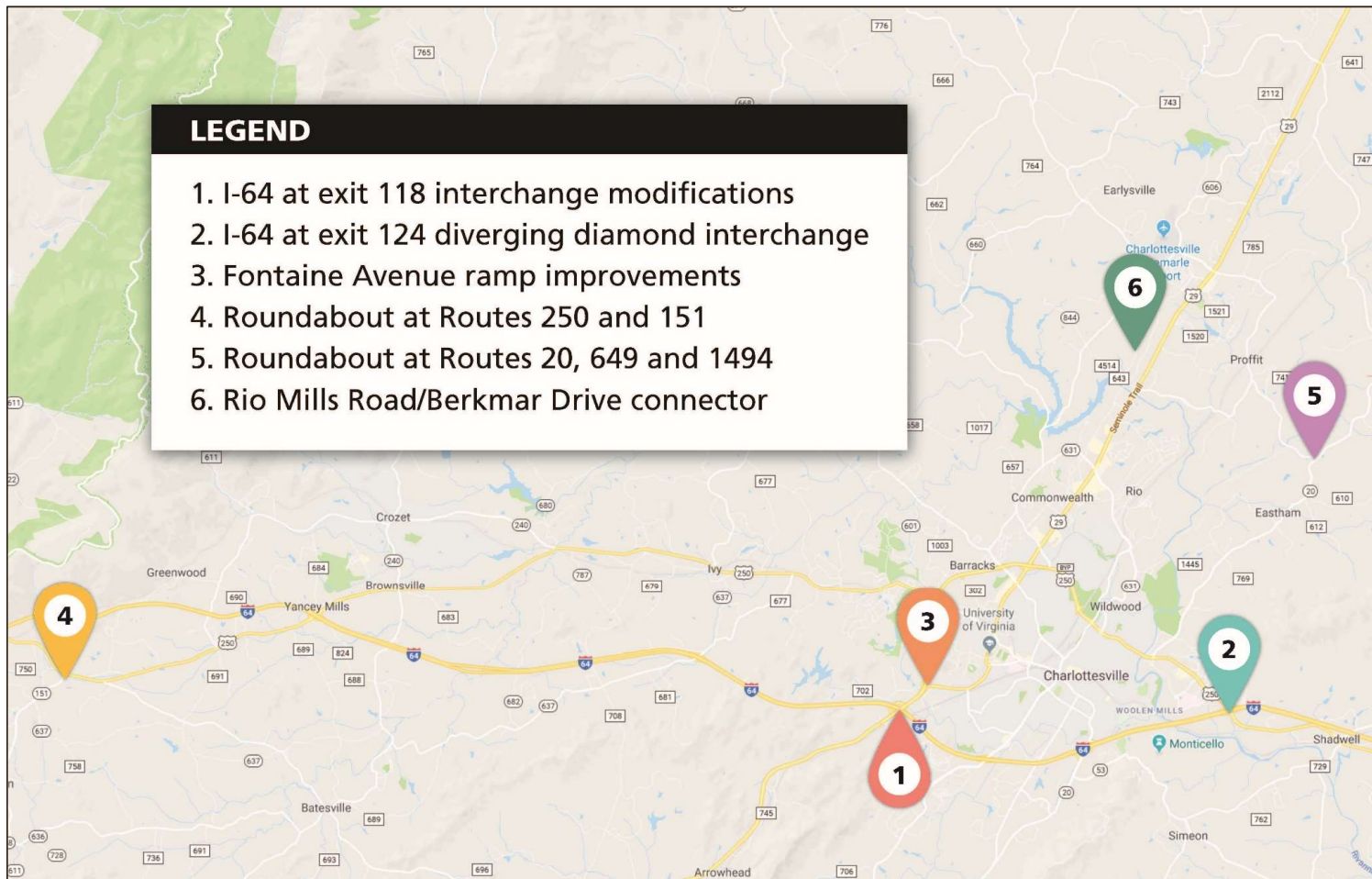
\* 1 yr. after completion of Rio GSI compared with average crashes 4 yrs prior

\*\* Hydraulic Road to Airport Road using Bluetooth data collected before projects & after completion of Hillside Dr. Extended





# Albemarle County Design-Build Project Bundle



# U.S. 29-Hydraulic Road Recommended Projects

Improve safety and mobility at the US 29-Hydraulic Rd intersection and nearby intersections and interchanges

- Address congestion by limiting access to US 29 with grade-separated interchanges and improving traffic throughput with roundabouts
- Address safety by constructing bicycle/pedestrian improvements along US 29 and limiting access to US 29 with grade-separated interchanges



## District paving schedules, 2016-2019

	2016	2017	2018	2019	Pavement Condition Target	Actual District Condition
	Lane Miles	Lane Miles	Lane Miles	Lane Miles		
<b>Totals</b>	<b>711</b>	<b>797</b>	<b>901</b>	<b>805</b>		
<b>Interstate</b>	<b>7</b>	<b>21</b>	<b>23</b>	<b>8</b>	<b>82%</b>	<b>98.2%</b>
<b>Primary</b>	<b>228</b>	<b>217</b>	<b>251</b>	<b>208</b>	<b>82%</b>	<b>86.4%</b>
<b>Secondary</b>	<b>476</b>	<b>559</b>	<b>627</b>	<b>589</b>	<b>65%</b>	<b>61.3%</b>

<b>Estimate*</b>	<b>\$26.9 million</b>	<b>\$34 million</b>	<b>\$35 million</b>	<b>\$33 million</b>		
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\* Includes contract, CEI, contingencies, requirements

### 2019 paving schedule, Albemarle County

- 7.7 lane miles of Interstate 64
- 27.8 lane miles of primary highway
- 54.8 lane miles of secondary roads
- 4.5 lane miles of subdivision roads

[Link to 2019 Culpeper District paving projects](#)



# Structure & Bridge Projects

## Under Construction

- Dickerson Road bridge over North Fork Rivanna River  
Replace truss with 3-ton weight limit; at completion bridge will accommodate all legal loads

## Upcoming Construction

- Belmont Bridge replacement: City of Charlottesville  
\$25.5 million project, construction to begin 2020

## Design (estimate ~ \$28.4 M)

- Districtwide: 13 bridge replacement/rehab projects (\$26.6 mil)  
& 5 bridge replacement/rehab projects with early “State of Good Repair” PE funds only

# Haneytown Rd. bridge in Greene County, Spring 2018





## U.S. 29 at Vint Hill Rd. in Fauquier County, Summer 2019





# US. 29 at Vint Hill Rd. in Fauquier County, “Cut the Hills”

