



# VIRGINIA TRANSPORTATION CONSTRUCTION ALLIANCE (VTCA) JOINT CONFERENCE

## Salem & Lynchburg Districts

March 13, 2024

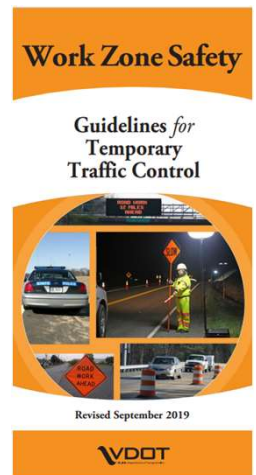
Ken King, P.E.  
Salem District Engineer, VDOT

Chris Winstead, P.E.  
Lynchburg District Engineer, VDOT

Gordon N. Dixon  
Executive Vice President, VTCA

# Work Zone Safety

- **Workers running across open travel lanes of traffic to install TTC devices is a dangerous practice that should not be performed.**
- **Personnel with appropriate work zone traffic control training shall be present during installation, maintenance, and removal of TTC devices.**
- **Follow the latest edition of the Virginia Work Area Protection Manual.**
- **View the work zone from the road user's perspective.**
- **National Work Zone Awareness Week April 15th – 19th.**





# Lynchburg District Organization



# FY24 – Credible, Solid Performance

Thank you to our people,  
our partners and our customers  
who entrust us to deliver results

	Target	Lynchburg	Salem
<b>*****Safety*****</b>			
	<b>Safety</b>		
OSHA Recordable Rate	2.5	3.9	2.2
Serious Injury Rate		10.07	9.82
Traffic Fatality Rate		1.94	1.48
<b>*****Projects*****</b>			
	<b>Projects</b>		
Development On-Time	70.0%	96.2%	84.8%
Development On-Budget	74.0%	88.9%	93.9%
Delivery On-Time	77.0%	88.5%	88.7%
Delivery On-Budget	85.0%	96.1%	92.3%
CQIP % Compliant	91.0%	92.6%	95.2%
<b>*****Operations*****</b>			
	<b>Operations</b>		
Incidents < 30 Mins			37.4%
Incidents < 90 Mins			86.30%
<b>****Pavement Condition****</b>			
	<b>Pavement</b>		
Interstate	82.0%		90.1%
Primary > = 3500 AADT	82.0%	82.8%	85.8%
Primary < 3500 AADT	0.8	0.8	0.8
Secondary > = 3500 AADT	0.8	0.9	0.9
Secondary < 3500 AADT	0.6	0.7	0.6
<b>****Structure Condition****</b>			
	<b>Structures</b>		
% Good / Fair - IS	1.0		1.0
% Good / Fair - PR	0.9	1.0	1.0
% Good / Fair - SC&U	0.9	1.0	1.0
Weighted Average GCR	5.6	6.4	6.4

# Lynchburg District FY2024 – 2029 SYIP

- Revised District total across the next six years = \$590M, up from \$526M
- State of Good Repair Program = \$188M, up from \$135M
- We also had a very successful SMARTSCALE Round 5, investing \$127M across our district

FY2024 - 2029 Six-Year Improvement Program  
FY24 FINAL

LYNCHBURG DISTRICT  
(\$ in thousands)

## Funding Allocation Summary LYNCHBURG DISTRICT

Service Area / Fund Source	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	Total
<b>High Priority Projects</b>							
Federal	\$0	\$0	\$0	\$0	\$2,527	\$2,760	\$5,288
ITTF	600	0	0	0	0	0	600
State	0	3,891	4,500	15,670	12,500	217	36,778
<b>High Priority Projects Total</b>	<b>\$600</b>	<b>\$3,891</b>	<b>\$4,500</b>	<b>\$15,670</b>	<b>\$15,027</b>	<b>\$2,977</b>	<b>\$42,666</b>
<b>District Grant Program</b>							
Federal	\$8,505	\$13,195	\$7,574	\$7,428	\$916	\$14,000	\$51,618
State	22,797	22,412	31,163	32,325	39,805	28,593	177,095
Unpaved	3,782	4,065	2,955	2,955	2,955	2,955	19,668
<b>District Grant Program Total</b>	<b>\$35,084</b>	<b>\$39,672</b>	<b>\$41,692</b>	<b>\$42,708</b>	<b>\$43,676</b>	<b>\$45,549</b>	<b>\$248,381</b>
<b>State of Good Repair</b>							
Federal	\$13,401	\$17,977	\$15,667	\$17,601	\$17,173	\$18,501	\$100,319
State	9,690	12,223	16,546	15,264	16,547	17,471	87,742
<b>State of Good Repair Total</b>	<b>\$23,091</b>	<b>\$30,200</b>	<b>\$32,213</b>	<b>\$32,865</b>	<b>\$33,720</b>	<b>\$35,972</b>	<b>\$188,061</b>
<b>VA Safety Funds</b>							
Federal	\$6,520	\$7,753	\$6,337	\$4,048	\$0	\$0	\$24,658
State	0	197	0	0	0	0	197
<b>VA Safety Funds Total</b>	<b>\$6,520</b>	<b>\$7,950</b>	<b>\$6,337</b>	<b>\$4,048</b>	<b>\$0</b>	<b>\$0</b>	<b>\$24,855</b>
<b>Specialized State and Federal</b>							
Federal	\$3,025	\$7,473	\$2,706	\$0	\$0	\$0	\$13,203
State	765	765	765	765	765	765	4,593
<b>Specialized State and Federal Total</b>	<b>\$3,790</b>	<b>\$8,238</b>	<b>\$3,471</b>	<b>\$765</b>	<b>\$765</b>	<b>\$765</b>	<b>\$17,796</b>
<b>Revenue Sharing</b>							
Local	\$3,353	\$6,360	\$8,751	\$0	\$0	\$0	\$18,464
State	3,353	6,360	8,751	0	0	0	18,464
<b>Revenue Sharing Total</b>	<b>\$6,706</b>	<b>\$12,720</b>	<b>\$17,502</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$36,928</b>
<b>Research &amp; Planning</b>							
State	\$1,100	\$0	\$0	\$0	\$0	\$0	\$1,100
<b>Research &amp; Planning Total</b>	<b>\$1,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,100</b>
<b>Debt Service</b>							
Federal	\$5,175	\$5,290	\$5,297	\$5,297	\$5,296	\$4,627	\$30,982
<b>Debt Service Total</b>	<b>\$5,175</b>	<b>\$5,290</b>	<b>\$5,297</b>	<b>\$5,297</b>	<b>\$5,296</b>	<b>\$4,627</b>	<b>\$30,982</b>
<b>District Total</b>	<b>\$82,067</b>	<b>\$107,961</b>	<b>\$111,012</b>	<b>\$101,353</b>	<b>\$98,485</b>	<b>\$89,891</b>	<b>\$590,768</b>

# Lynchburg District Berry Hill Connector Road Highlights

- **Project Purpose:** Construct approximately 2.4 miles of a new connector road from Route 58 to the Southern Virginia Mega Site. Grading for four lanes and paving two.
- **Prime Contractor:** Branch Civil, Inc.
- **Contract Value:** \$17,485,000
- **Substantial Completion Date:** November 29, 2024
- **Overall Fixed Completion Date:** June 16, 2025
- **Current Progress:** Installation of box culverts nearing completion (7 total on the project), grading, smaller storm sewer installations, with base stone and paving scheduled to begin this spring



# Lynchburg District – Pavement Resurfacing Program

Treatment Type	No. of 2023 Contracts	2023 Estimated Quantities	2023 Contract Value (\$M)	No. of 2024 Contracts	2024 Estimated Quantities	2024 Contract Value (\$M)
Plant Mix	6	180,000 Tons*	\$30M*	7	264,500 Tons*	\$47.6M ^^
Latex	1	1,342 Tons	\$0.6M	1	2,000 Tons	\$1.5M ^^
Surface	3	1,300,000 SY	\$3.2M	3	2,600,000 SY	\$8.0M ^^
<b>Total</b>	<b>10</b>		<b>\$33.8M*</b>	<b>11</b>		<b>\$57.1M* ^^</b>

\* Includes SGRLP  
 ^^ Includes 8% inflation

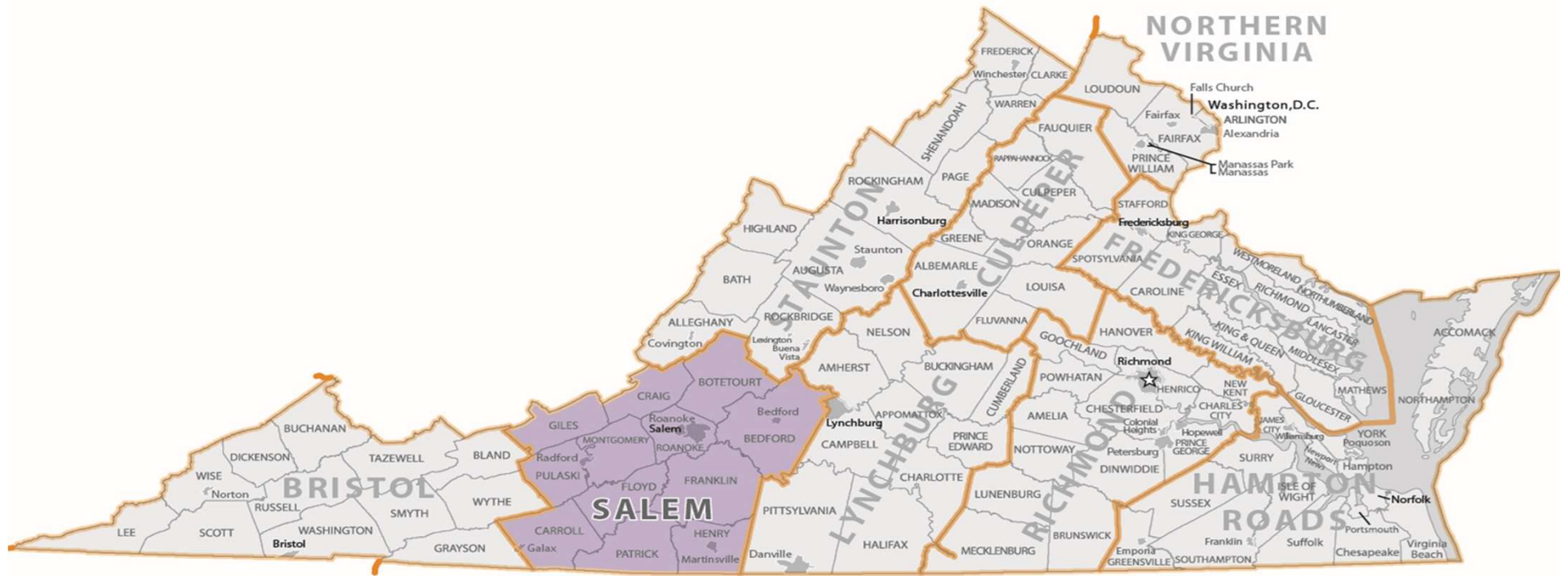


# Salem & Lynchburg Districts – 2024 Construction Season Priorities – Continued Credible Stewardship

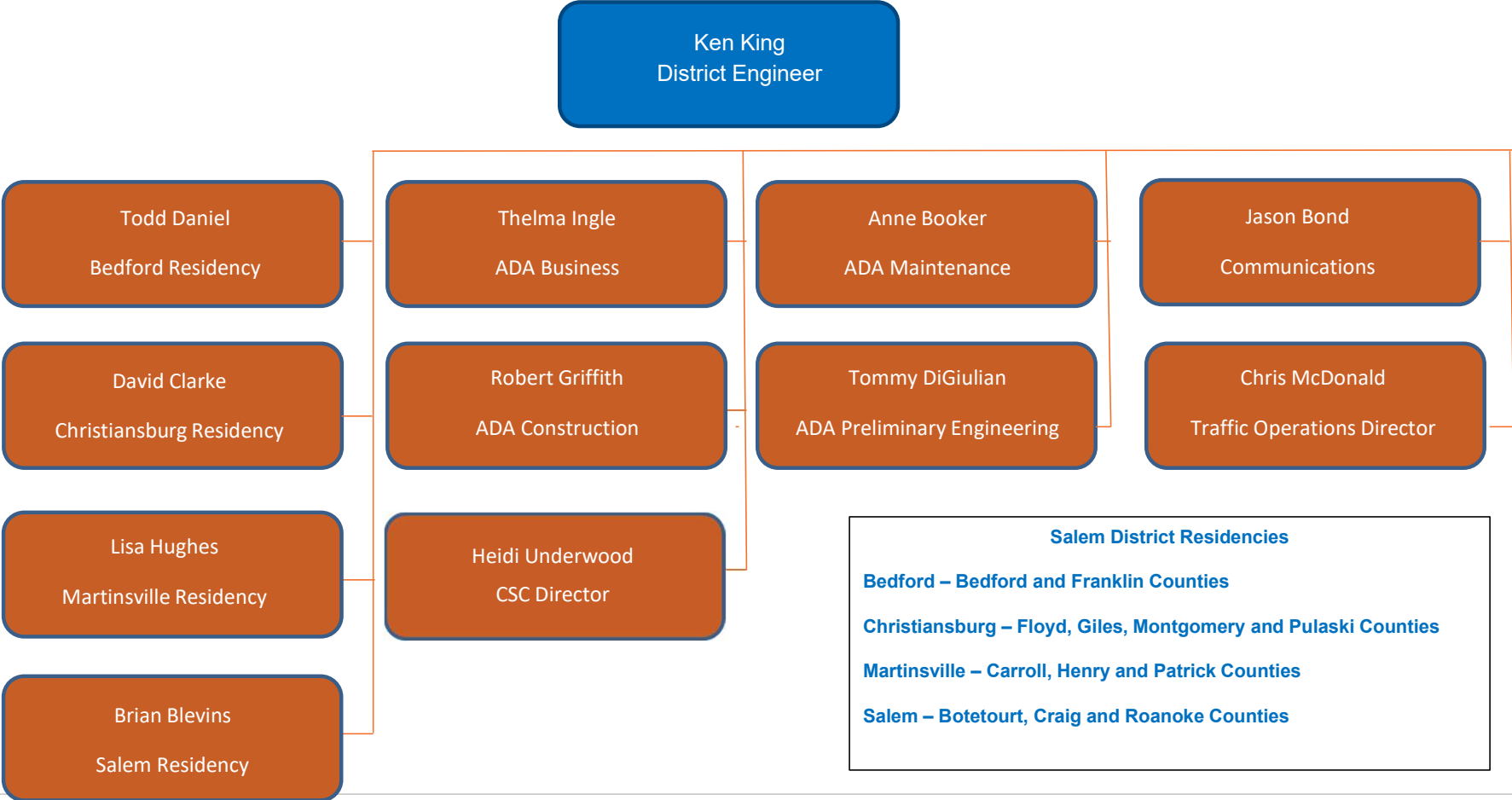
## Safety First

- Collaborate for continued Quality Results (Includes Environmental Stewardship)
- Collaborate for continued On Budget Performance
- Collaborate for continued On Time Performance
- For Resurfacing Schedules – 4S's - Safe, Smooth, Shared Success

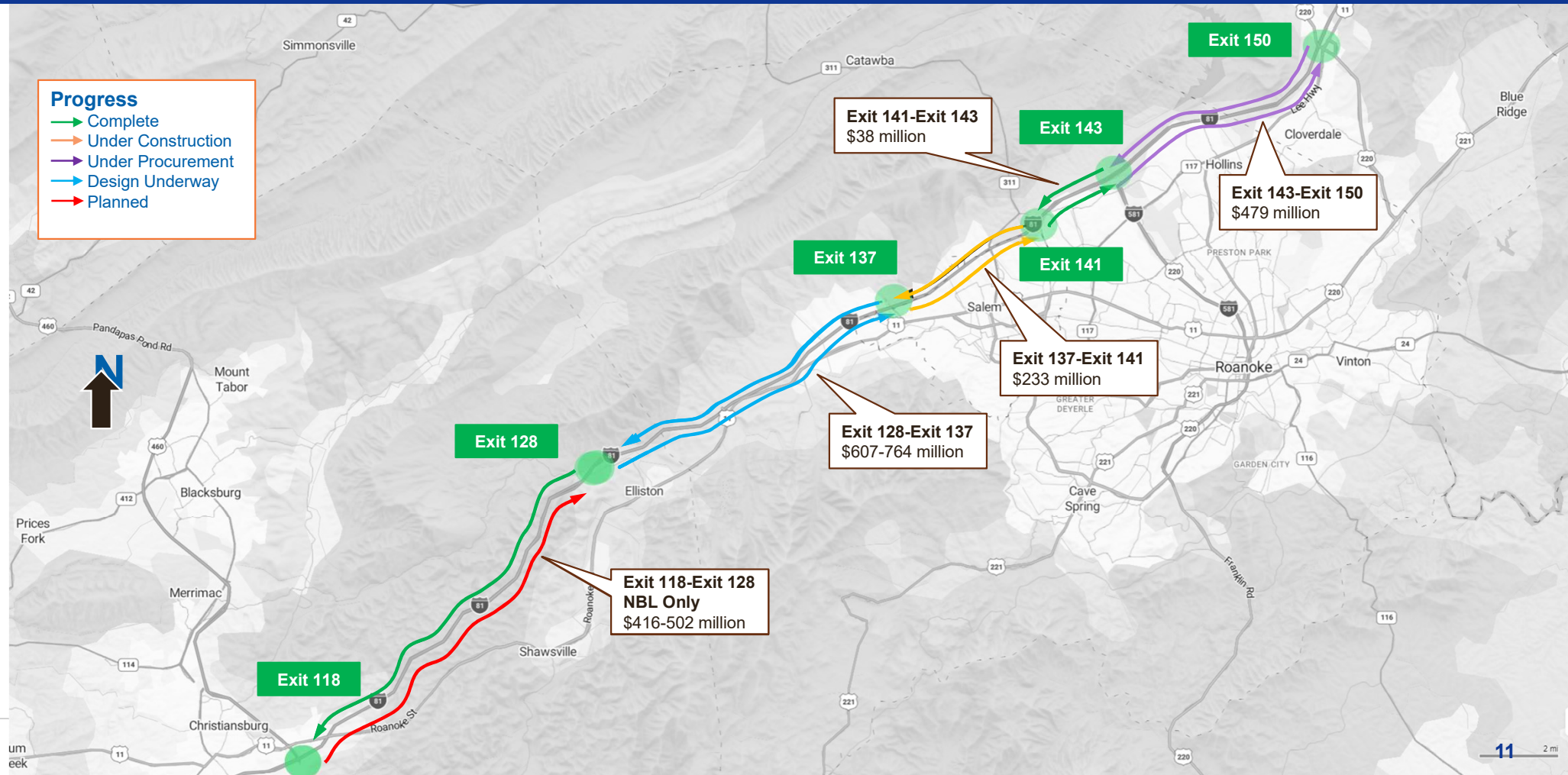
# Salem District



# Salem District Organization



# Salem District — I-81 Corridor Widening to Six Lanes



# I-81 Widening Exit 137 to Exit 141

*Roanoke County and City of Salem*

## General Scope (Design-Build):

- Over 4 miles of interstate widening in both directions
- Replacement of six bridge structures
- Widening on two bridge structures
- Acceleration and Deceleration Lane Improvements
- Partial Interchange Lighting

## Construction Contractor:

- Archer Western Construction

## Project Budget:

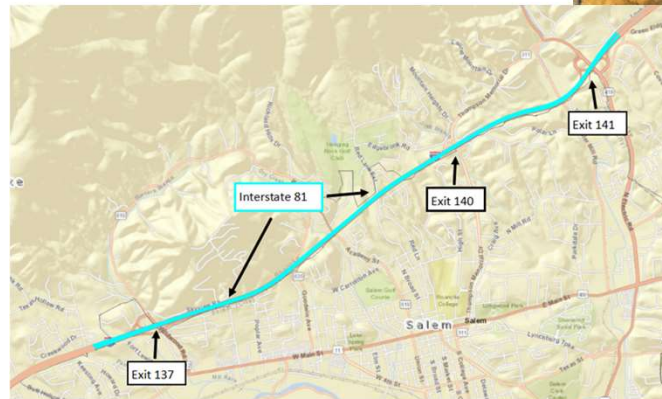
- \$233M

## Project Schedule:

- Construction Begin – Spring 2022
- Project Completion – Early 2026

## Current Status:

- Under Construction



# I-81 Widening Exit 143 to Exit 150

*Roanoke and Botetourt Counties*

## General Scope:

- Approximate 7 miles of interstate widening in both directions
- Replacement of eight bridge structures
- **Noise Walls**
- Partial Interchange Lighting

## Design Builder:

- TBD – In procurement

## Project Estimate:

- \$479M

## Anticipated Schedule:

- **Public Hearing – Held September 19, 2023**
- **DB RFP - Released January 8, 2024**
- **Begin R/W acquisition – Early 2025**
- Construction Begin – 2025
- Project Completion – October 2031

## Current Status:

- In procurement for Design Build Services



# I-81 Widening Exit 128 to Exit 137

Montgomery and Roanoke Counties

## General Scope:

- Approximate 10 miles of interstate widening in both directions\*
- Evaluate 14 bridge structures for widening/replacement
- **Noise Walls**
- **May include improvements to Ironto Safety Rest Area**

## Design Builder:

- TBD

## Project Estimate\*\*:

- \$607-764M

## Anticipated Schedule:

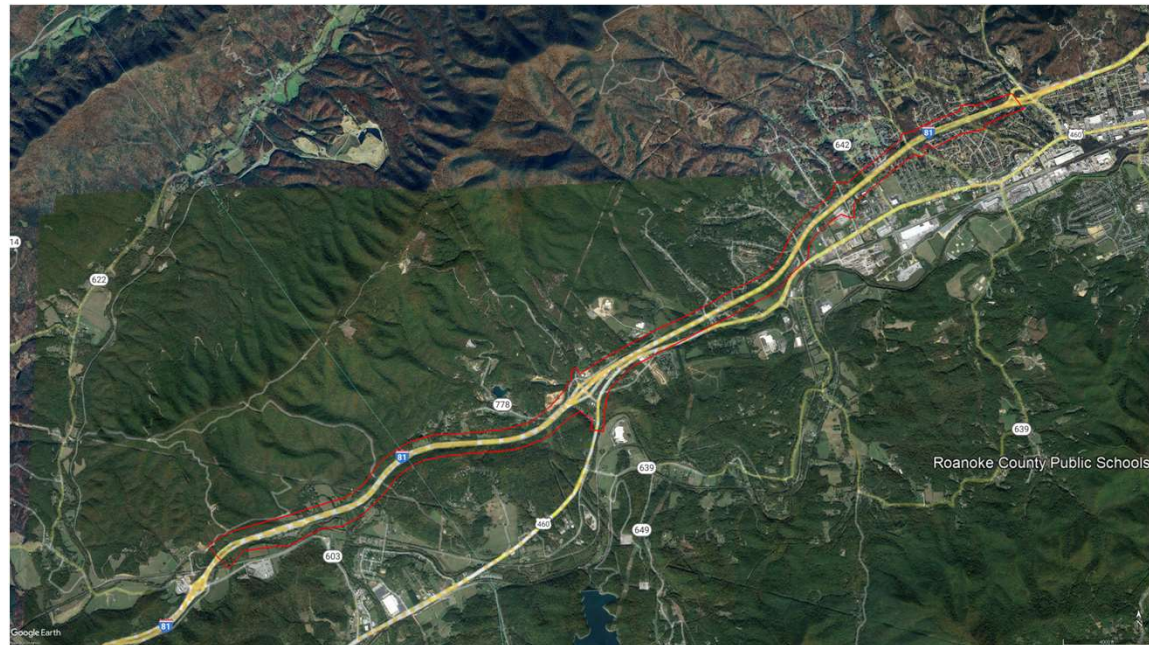
- **Public Hearing – TBD**
- **RFP-Release: 2025**

## Current Status:

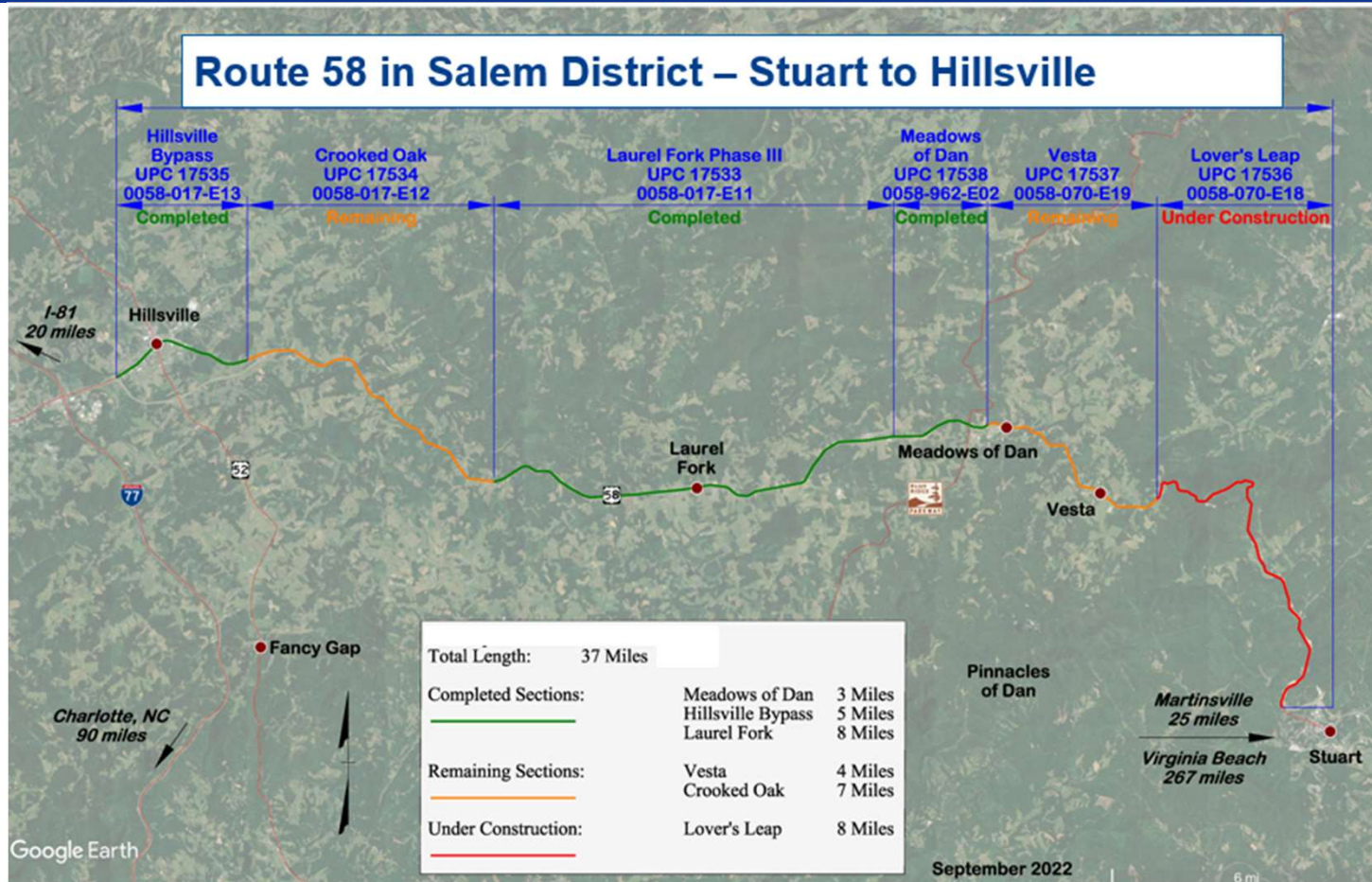
- Under Preliminary Design

\*SB section dependent on funding availability

\*\* Cost includes SB section

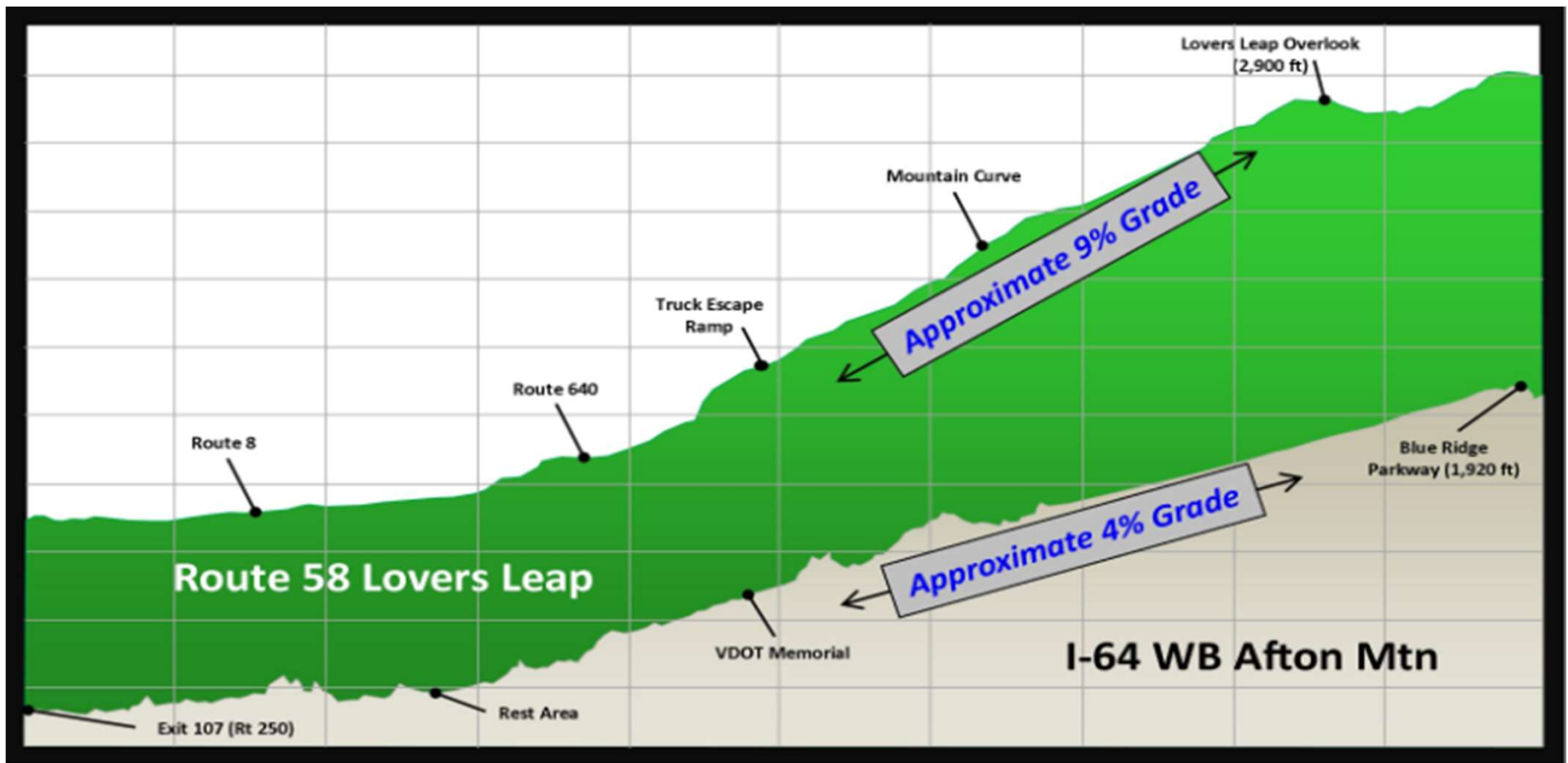


# Route 58





# Lovers Leap versus WB I-64 Afton Mountain Elevations



# Route 58 Lovers Leap Section

## General Scope (Design-Build):

- 7.4 miles of 4-laning Route 58
- Improved lane and shoulder widths
- Truck escape ramps & truck brake check area
- Accommodate two scenic overlooks
- Improve connecting route intersections
- **~10 M CY Excavation**

## Construction Contractor:

- Branch Civil, Inc.

## Project Budget:

- \$350M

## Current Status:

- Finalizing design
- RW acquisition phase in process
- **CN started in select areas**

## Project Schedule:

- **Project Completion – May 2026**



# Route 58 Vesta Section

## General Scope (Design-Build):

- 4 miles of 4-laning Route 58
- Improved lane and shoulder widths
- Improve connecting route intersections
- **New bridges over Dan River**
- ~2 M CY of Excavation

## Project Budget:

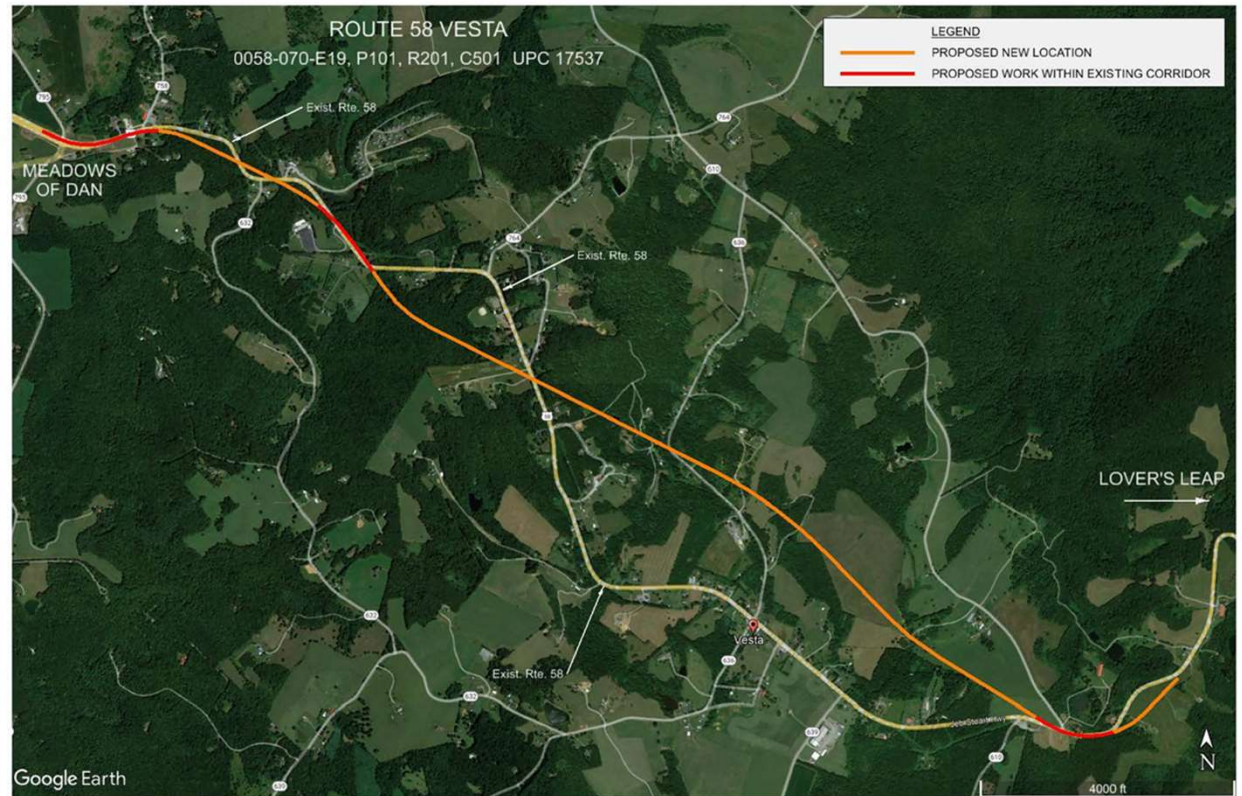
- \$235M

## Project Schedule:

- **Start Design Build Procurement – Summer 2024**
- **Begin Construction – mid to late 2025**

## Current Status:

- Preliminary Design



# Salem District CY24 Traditional Pavement Contracts

System	2024 Lane Miles	Est. Cost
Interstate*	39.85 lane miles*	\$18.01 M*
Primary	199.92 lane miles	\$55.27 M
Secondary	934.08 lane miles	\$47.30 M
<b>TOTAL</b>	<b>1,173.85 lane miles</b>	<b>\$120.6 M</b>

\* One contract still outstanding. No bids received in previous advertisements.

# Why Does Salem Have Such a Large Resurfacing Program?

- Salem District maintains approximately 12,900 lane miles of paved secondary routes including the highest number of low volume secondary routes in the state (12,600 lane miles).
- The only condition rating target not being met in Salem District currently is on low volume secondaries.
- The CY24 program represents an increase of more than 60% on the secondary system to push towards meeting the condition rating target.
- Continued focus towards low volume secondary condition targets expected in CY25 program.

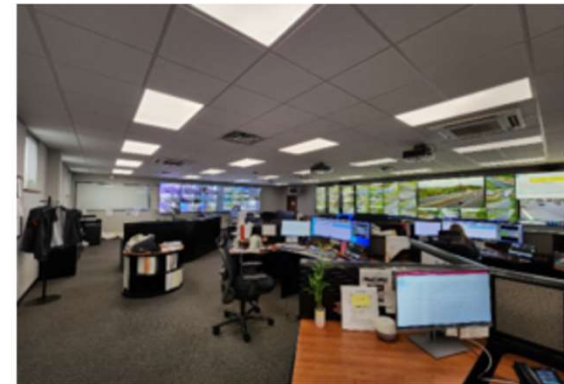
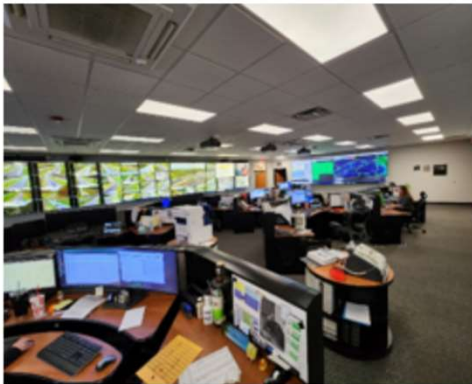
System	CY23 Lane Miles	CY24 Lane Miles
Interstate	46	40
High Volume Primary	58	145
Low Volume Primary	54	55
High Volume Secondary	17	18
Low Volume Secondary	549	916
<b>TOTAL</b>	<b>724 lane miles</b>	<b>1,174 lane miles</b>

# Traffic Operations

## Future TOC Contracts - Statewide

### Operations Technology/ITS Maintenance

- RFP – Summer 2023
- Service commencement - Summer 2024



### TOC Floor Operations & Safety Service Patrol

First availability 2025

(5 years with two 2-year renewal options)

Currently in first 2-year renewal

# Partnership Breeds Success . . .

