





VIRGINIA TRANSPORTATION CONSTRUCTION ALLIANCE (VTCA) JOINT CONFERENCE

Bristol District

D. A. “Donny” Necessary, Jr.
VDOT Bristol District Administrator

Gordon Dixon
Executive Vice President, VTCA

May 5, 2021

VIRGINIA TRANSPORTATION CONSTRUCTION ALLIANCE (VTCA) JOINT CONFERENCE

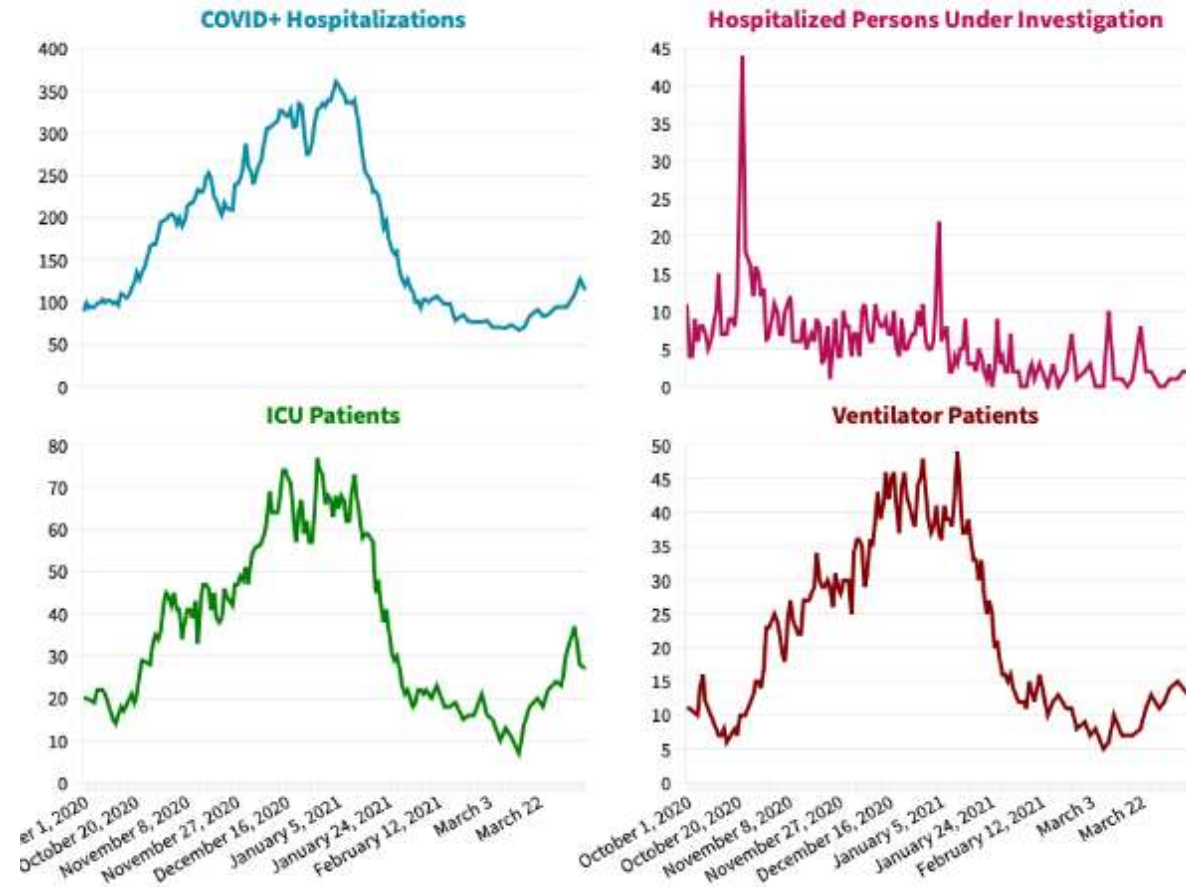
Bristol District

Tabitha Crowder, P.E.

VDOT Bristol Deputy District Engineer

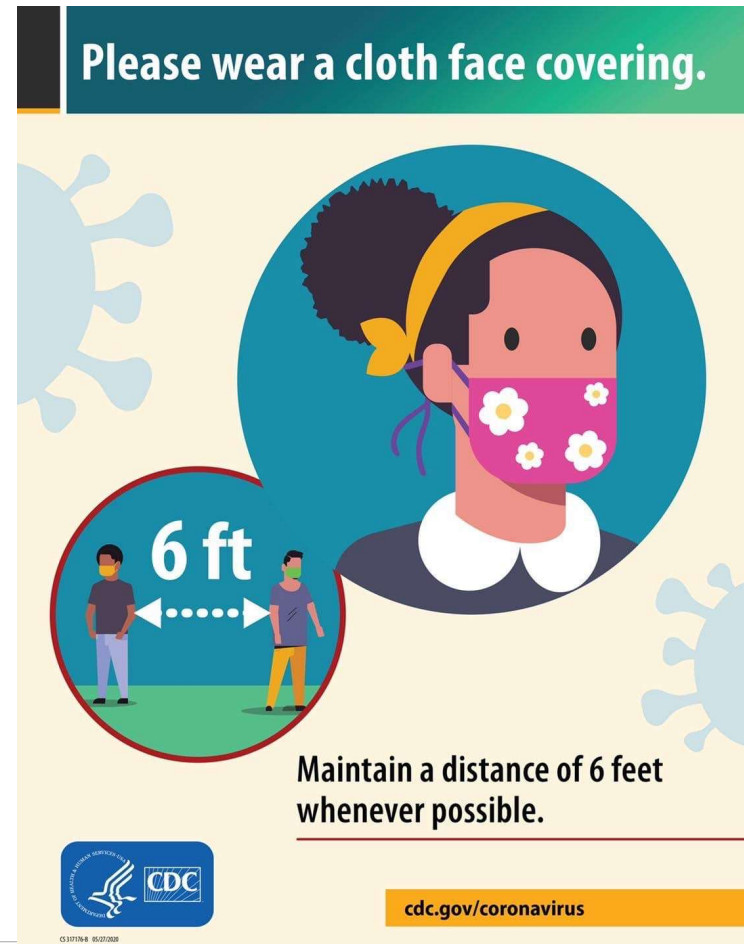
SAFETY MESSAGE

COVID-19 Patients at Ballad Health Facilities



COVID-19

Thank you for
continuing to do your
part to stop the
spread!



VIRGINIA TRANSPORTATION CONSTRUCTION ALLIANCE (VTCA) JOINT CONFERENCE

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BRISTOL DISTRICT

4 Residencies

- Wise
- Lebanon
- Wytheville
- Abingdon

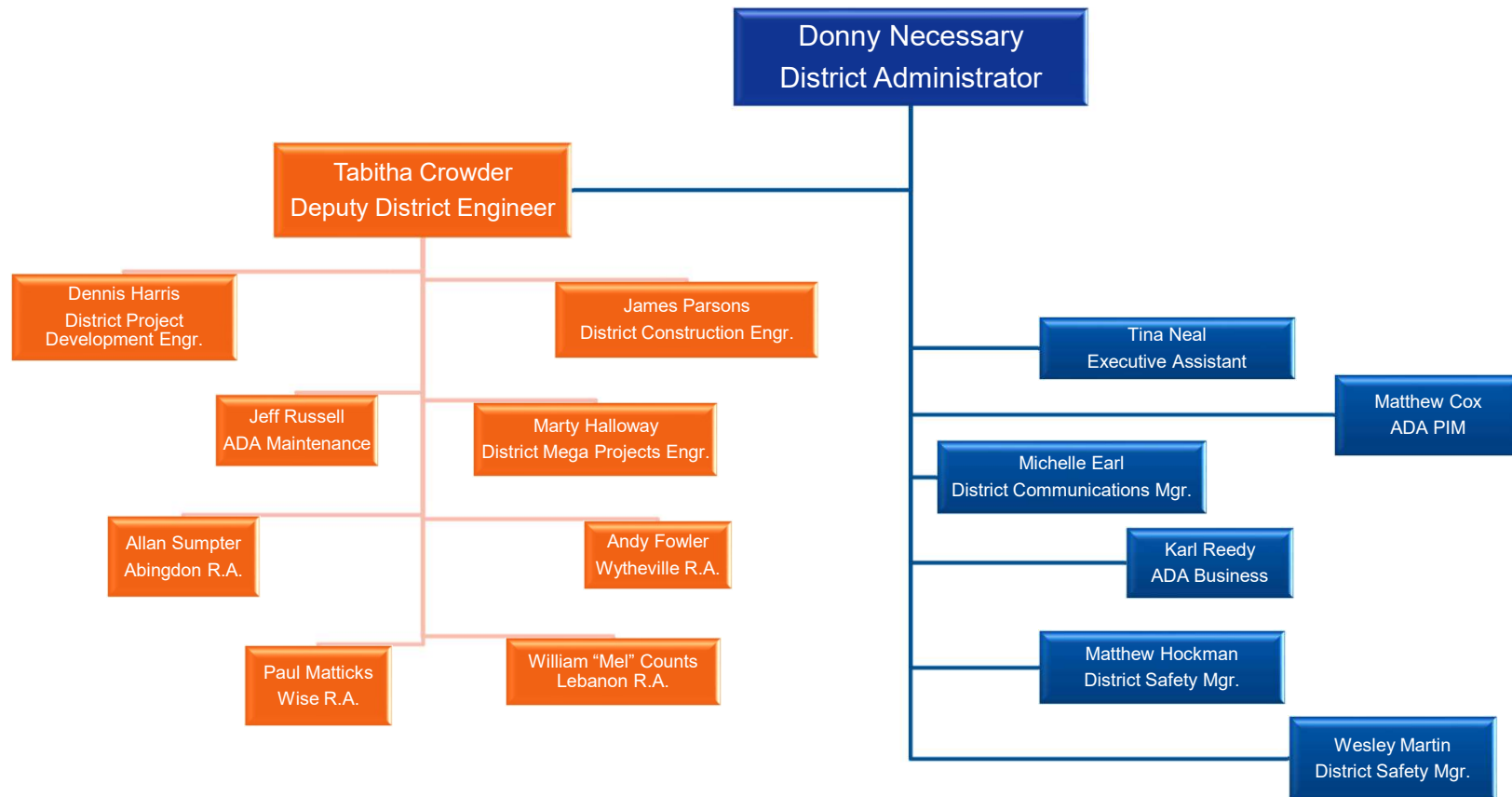


12 counties - Lee, Scott, Wise, Dickenson, Russell, Buchanan, Tazewell, Bland, Wythe, Grayson, Smyth, and Washington.

BRISTOL DISTRICT

- Includes two cities, 12 Urban Localities, and numerous towns
- Responsible for maintenance of the following:
 - Interstate – 536 lanes miles
 - Primary >3500 VPD – 1,366 lanes miles
 - Primary <3500 VPD – 1,551 lanes miles
 - Secondary > 3500 VPD – 55 lane miles
 - Secondary < 3500 VPD – 9,577 lane miles
 - Total – 13,085 lanes miles
- Responsible for 3,387 structures on all roads

BRISTOL DISTRICT ORGANIZATION



PERFORMANCE – TARGETS – GOALS

District Performance Report

	Target	Bristol	Culpeper	Fredericksburg	Hampton Roads	Lynchburg	Northern Virginia	Richmond	Salem	Staunton	Central Office	Statewide
*****Safety*****						Safety						
OSHA Recordable Rate	2.50	2.75	3.84	2.20	2.23	2.02	2.32	3.21	3.02	2.01	0.09	2.21
Serious Injury Rate		9.98	12.11	7.15	11.63	11.48	4.87	8.69	10.42	7.76		8.94
Traffic Fatality Rate		1.70	1.59	1.27	1.19	1.84	0.59	1.23	1.47	1.12		1.20
*****Projects*****						Projects						
Development On-Time	70.0%	73.2%	70.0%	83.8%	54.1%	90.9%	71.9%	52.6%	70.2%	72.5%	50.0%	68.5%
Development On-Budget	74.0%	80.4%	63.3%	70.3%	62.3%	86.4%	70.2%	70.2%	83.0%	68.6%	100.0%	72.3%
Delivery On-Time	77.0%	94.1%	91.7%	88.9%	65.4%	89.5%	80.7%	79.4%	76.4%	90.0%		82.0%
Delivery On-Budget	85.0%	97.1%	95.8%	88.9%	88.5%	100.0%	94.7%	91.2%	93.1%	100.0%		94.1%
CQIP % Compliant	91.0%	97.1%	97.7%	97.6%	95.4%	95.5%	96.3%	96.8%	93.7%	97.9%		96.2%
*****Operations*****						Operations						
Incidents < 30 Mins		37.6%	29.5%	39.5%	60.5%		38.6%	38.6%	28.9%	30.4%		45.2%
Incidents < 90 Mins		89.1%	87.5%	86.2%	93.8%		88.3%	86.6%	73.0%	79.9%		88.7%
Pavement Condition						Pavement						
Interstate	82.0%	88.1%	95.7%	96.8%	89.4%		83.0%	93.1%	88.2%	87.3%		89.6%
Primary >= 3500 AADT	82.0%	89.8%	91.4%	80.4%	81.5%	83.0%	83.0%	88.6%	85.7%	88.4%		85.8%
Primary < 3500 AADT	75.0%	81.8%	82.7%	85.4%	82.7%	83.0%	77.4%	82.4%	83.1%	83.4%		82.7%
Secondary >= 3500 AADT	82.0%	62.7%	69.8%	53.1%	60.6%	78.3%	59.0%	45.4%	65.8%	69.3%		58.0%
Secondary < 3500 AADT	60.0%	53.3%	63.2%	48.3%	74.0%	72.1%	48.2%	56.7%	54.8%	67.7%		59.4%

PERFORMANCE – TARGETS – GOALS

District Performance Report

	Target	Bristol	Culpeper	Fredericksburg	Hampton Roads	Lynchburg	Northern Virginia	Richmond	Salem	Staunton	Central Office	Statewide
Structure Condition						Structures						
% Good / Fair - IS	97.0%	96.8%	100.0%	100.0%	99.8%		100.0%	98.7%	99.0%	100.0%		99.3%
% Good / Fair - PR	93.0%	97.8%	99.0%	91.7%	96.8%	97.9%	98.4%	96.2%	97.9%	97.1%		97.3%
% Good / Fair - SC&U	90.0%	94.9%	95.7%	96.6%	95.4%	94.7%	98.0%	93.4%	97.7%	96.5%		95.9%
Weighted Average GCR	5.6	6.1	6.2	6.1	6.3	6.3	6.5	6.0	6.3	6.4		6.3
*****Support*****						Support						
SWaM %	42.0%	30.4%	43.1%	24.8%	10.1%	40.1%	43.6%	45.5%	31.7%	44.6%	22.0%	26.9%
EPP Performance Trend	None	→	→	↗	↗	→	↗	→	→	→	None	↗
Prompt Pay	95.0%	99.3%	99.1%	99.6%	98.5%	98.6%	98.5%	99.6%	98.9%	99.8%	98.9%	99.0%
Road Inventory Change %	60.6%	100.0%	61.9%	70.0%	64.0%	73.2%	44.9%	32.0%	77.3%	62.5%		59.5%

BRISTOL'S FY21 PRIORITIES

- 1. Safety First** – Construction season is in full swing.
- 2. Determine new normal. Telework vs Office**
- 3. We are open for business continuing to build, maintain, and operate roadways in Bristol District.**
- 4. Continued strengthening QA/QC process.**
- 5. Focus on delivery of all programs.**
- 6. Respond with Urgency and Purpose in all we do.**
- 7. Continue to build strong relationships with industry.**

VTCA – VDOT PARTNERING SESSION

“LOOKING TO THE FUTURE”



Dennis R. Harris, PE, PMP
Bristol District Preliminary Engineering Mgr.

Bristol District Upcoming Projects Now thru June 2022

- Over the next 12 months, Bristol District Project Development Teams will put more than \$113 million worth of work on the street
- There will be a total of 42 projects advertised between now and June 2022 (this does not include Paving, Traffic Safety Projects or Hired Equipment/State Force jobs handled by the residency)
- The project types will be:
 - Design Projects - 24 with a CN Value of \$95.9 million
 - Locally Administered Projects – 14 with a CN Value of \$11.9 million
 - Bridge Only Projects – 4 with a CN value of \$5.5 million

What's Coming Soon – Project Advertisements May 2021 thru June 2022



Virginia Department of Transportation

May 2021 thru August 2021

UPC	Route	Description	Ad Date	CN Estimate
110793	19	#SMART18 - Intersection improvements - Routes 11 and 19	05/11/21	\$867,343
116155	81	#I81CIP NB MM 19.2 DECEL LANE (ID #2)	05/11/21	\$1,100,000
116162	81	#I81CIP NB MM 67.3 EXTEND DECEL LANE (ID #8)	05/11/21	\$960,000
16382	58	RTE 58 - PARALLEL LN-CORRIDOR DEV (RHEA VALLEY)	06/08/21	\$43,063,404
110796	11	#SMART18 - US 11 at SR 107 Int. Improve w/radius	06/08/21	\$1,560,000
110797	11	#SMART18 - US 11 at Railroad Drive Inter. Improvement	06/08/21	\$1,942,000
116173	81	#I81CIP SB MM 38.7 Epoxy Overlay & Animal fence (ID #20)	07/13/21	\$1,700,000
113768	11	RTE.11 SIDEWALK EAST SIDE OF EAST MAIN ST. ABINGDON	08/02/21	\$31,620
114410	65	Rte. 65 Scott Co. Str. #1098 Fed. ID #16600	08/10/21	\$1,014,000
			Total:	\$52,238,367

August 2021 thru October 2021

UPC	Route	Description	Ad Date	CN Estimate
116158	81	#I81CIP SB MM 47.4 EXTEND ACCEL LANE (ID #16)	08/10/21	\$1,765,000
116174	81	#I81CIP MM 39.4 EXTEND DECEL LANE (ID #19)	08/10/21	\$965,000
117965	9999	ENHANCED CURVE SIGNING & MARKING - BRISTOL DISTRICTWIDE	08/10/21	\$2,373,723
118122	9999	UNSIGNALIZED INTERSECTIONS - BRISTOL DISTRICTWIDE	08/10/21	\$1,155,555
116159	81	#I81CIP NB MM 38.9 EXTEND DECEL LANE (ID #5)	08/11/21	\$976,000
113882	MLK BLV	#SGR19LB - MLK BLV over Beaver Creek Bristol VA 8002 Fed 2000	09/07/21	\$1,950,000
116167	81	#I81CIP SB MM 42.8 EXTEND ACCEL LANE (ID #17)	09/14/21	\$1,800,000
111385	Wise	Town of Wise - Norton Road Ped Improvements	10/20/21	\$500,000
113767	Wise	NORTON ROAD - CONSTRUCT NEW SIDEWALK-PHASE 2 AND PHASE 3	10/25/21	\$677,550
			Total:	\$12,162,828

November 2021 thru December 2021

UPC	Route	Description	Ad Date	CN Estimate
110873	11	Euclid Ave. - Install Mast Arms and Pedestrian Signal Heads	11/04/21	\$396,198
17817	23	WIDEN BUSINESS ROUTE 23 TO FOUR LANES	11/09/21	\$7,216,213
104774	649	GRADE, DRAIN AND PAVE	11/09/21	\$804,815
104994	1203	#SGR21VB - BR Replacement - Water St over Beaver Dam Creek(Fed 19212)	12/07/21	\$2,419,523
111261	61	#SGR18LB - RT 61 Tazewell Co VA #1807 Federal STR 22548	12/07/21	\$1,350,000
112750	11	Route 11 Structure 1021 over Sinking Creek - Fed ID 18844	12/07/21	\$1,710,792
113427	Big Stone Gap	Greenbelt Trail and Walking Tour	12/09/21	\$535,642
113848	61	#SGR19VB - RT 61 over Cove Crk Tazewell VA 1069 Fed 18469	12/14/21	\$750,000
113876	16	#SGR19LB - Fairground Rd RT 16 Clinch River Tazewell VA 1802 Fed 2254	12/14/21	\$2,050,000
			Total:	\$17,233,183

December 2021 thru April 2022

UPC	Route	Description	Ad Date	CN Estimate
113881	Bristol	#SGR19LB - Oak St over NS Railway Bristol VA 8010 Fed 19982	12/20/21	\$3,176,959
106175	687	#SGR17VB - BR Replacement - Roanoke Hill Rd over RT 63 (Fed 16511)	02/08/22	\$3,595,000
113932	67	#SGR19LB - 2nd St RT 67 Clinch River Richland VA 1804 Fed 2246	02/08/22	\$1,430,000
115483	23	#SMART20-US 58 Alt and US 23 NB Off-Ramp Mod (APP ID#3997)	03/08/22	\$886,000
112664	9999	Multi-Use Connector Trail - High Knob Access Enhancements - Norton	03/16/22	\$839,500
111267	Norton	#SGR18LB - SUPERSTRUCTURE REPLACE BENGES BRANCH (22441 FED.)	03/22/22	\$271,700
113983	Wise	NORTON ROAD - CONSTRUCT NEW SIDEWALK-PHASE 4	03/29/22	\$335,555
111274	Rural Retreat	Town of Rural Retreat Sidewalks, Ph. 11	04/06/22	\$484,577
111273	Wytheville	Wytheville Heritage Walk, Phase 3	04/29/22	\$601,137
			Total:	\$11,620,428

May 2022 thru June 2022

UPC	Route	Description	Ad Date	CN Estimate
111651	Bristol	#SGR18LB - REPAIR SUPERSTRUCTURE BEAVER CREEK(19974 FED.ID.)	05/19/22	\$231,710
113879	Bristol	#SGR19LB - Goodson St / Beaver Creek Bristol VA 1802 Fed 1997	05/20/22	\$1,951,420
116157	81	#I81CIP NB MM 39.5 ADD TRUCK CLIMBING LANE (ID #4)	06/14/22	\$12,593,193
116169	81	#I81CIP SB MM 54.1 EXTEND RAMP TO REST AREA (ID #15)	06/14/22	\$3,900,000
117954	9999	#81CIP DETOUR SIGNAL UPGRADES FOR VDOT MAINTAINED SIGNAL	06/14/22	\$907,334
115482	102	#SMART20-College Avenue Traffic Signal Sync (APP ID#5039)	06/16/22	\$700,000
			Total:	\$20,283,657

Let's Look at a Few of our Upcoming Projects

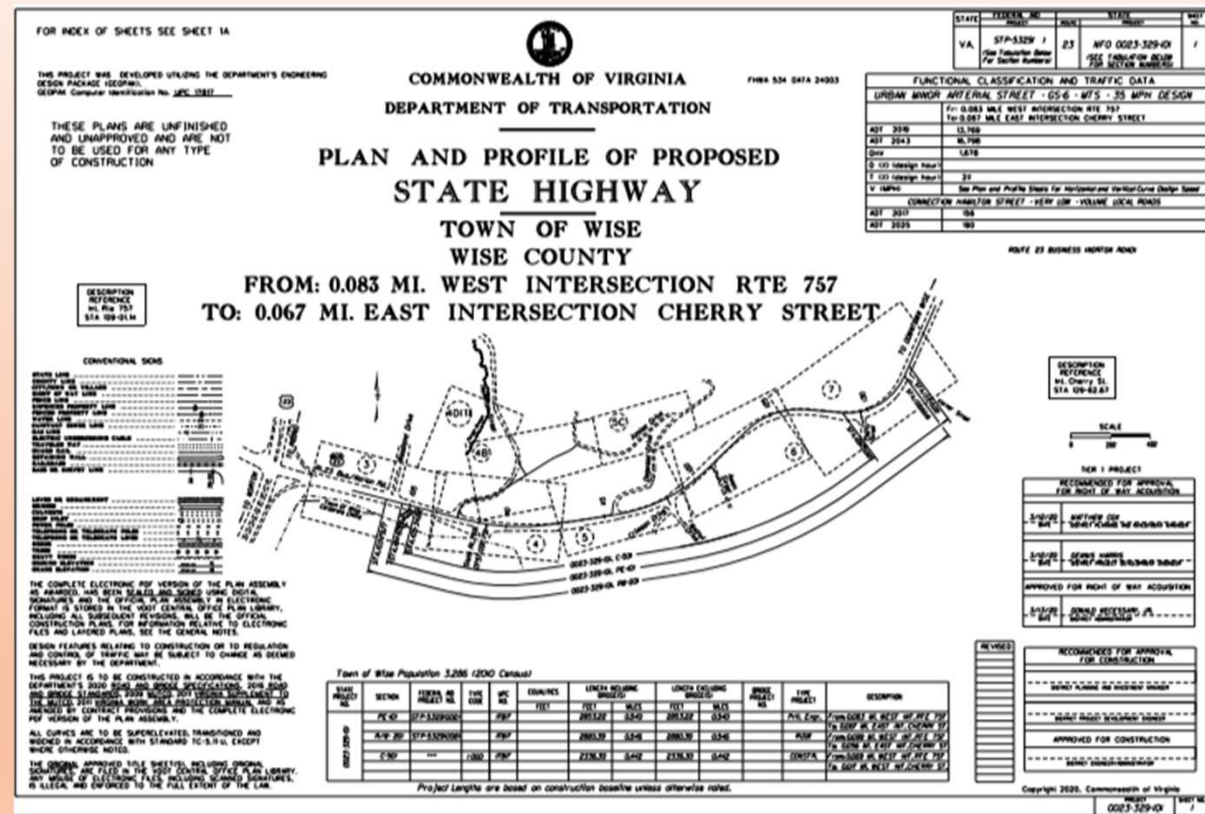


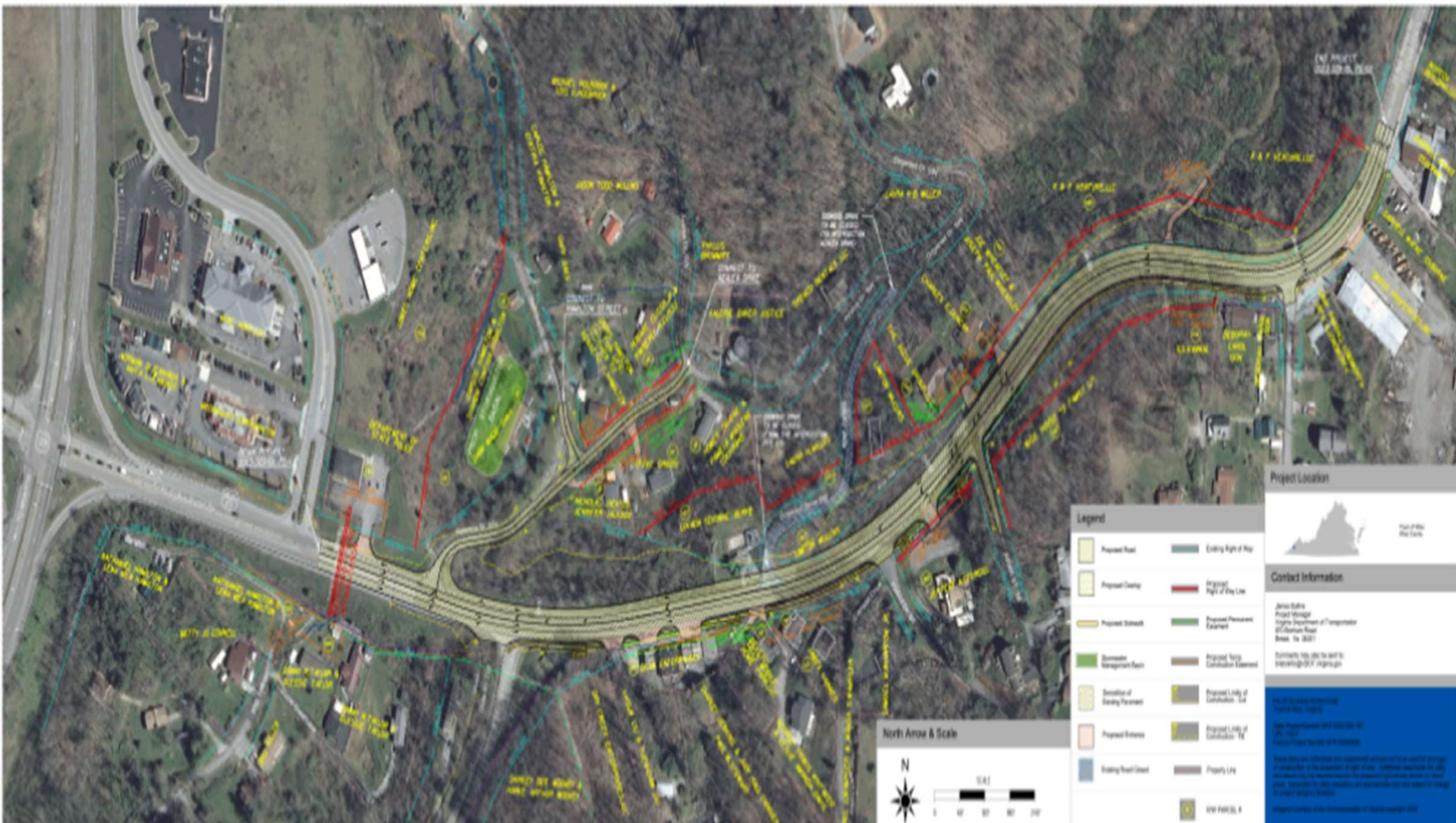
Business Route 23 Widen to 4-Lanes – Norton – Wise Road - UPC 17817

Project State	Approved Estimate
Preliminary Engineering	\$ 1.4 Million
Right of Way	\$ 1.8 Million
Construction	\$ 7.2 Million
TOTAL:	\$10.4 Million

Project Information:

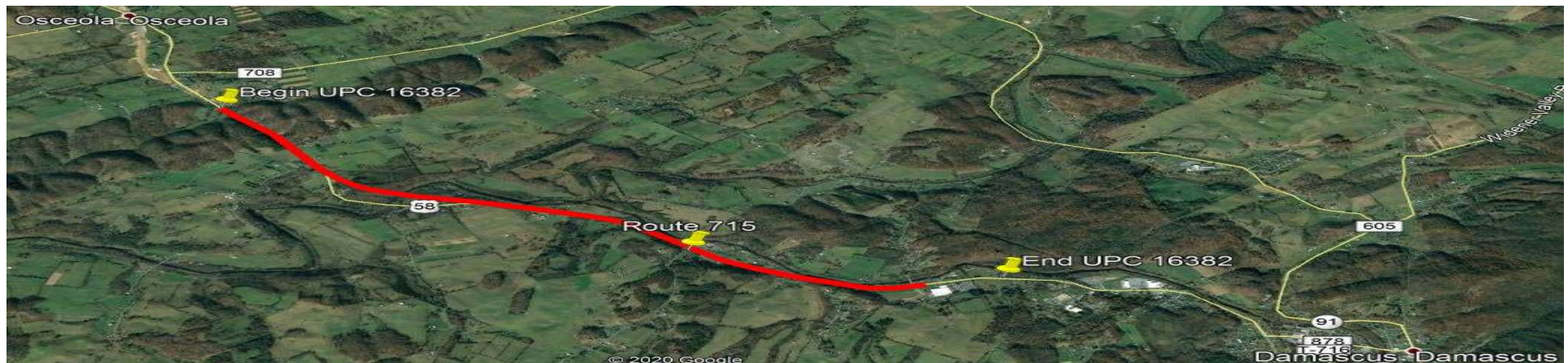
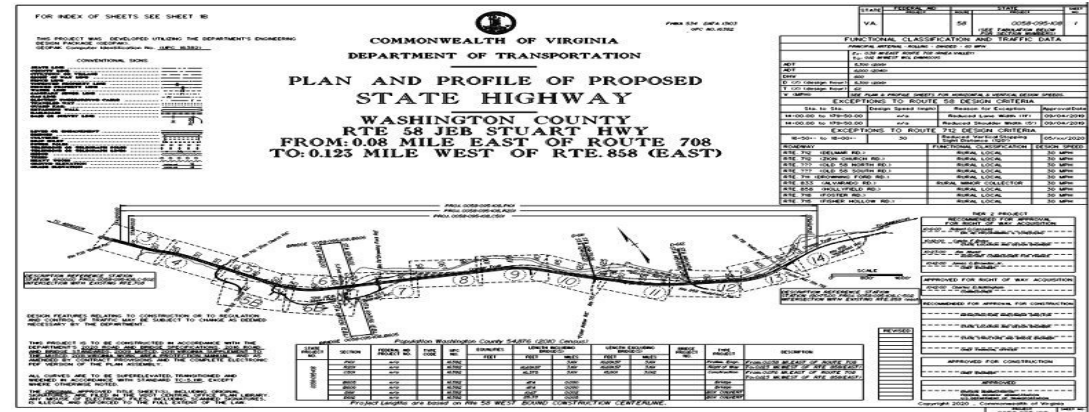
- Scheduled Advertisement – 11/09/2021
- Project Type – Urban Minor Arterial.
- The project scope includes:
 - widening the existing two-lane roadway to provide an undivided four lane roadway being three through lanes with a continuous two-way left-turn lane





Route 58 Abingdon to Damascus – UPC 16382 – Rural Principal Arterial

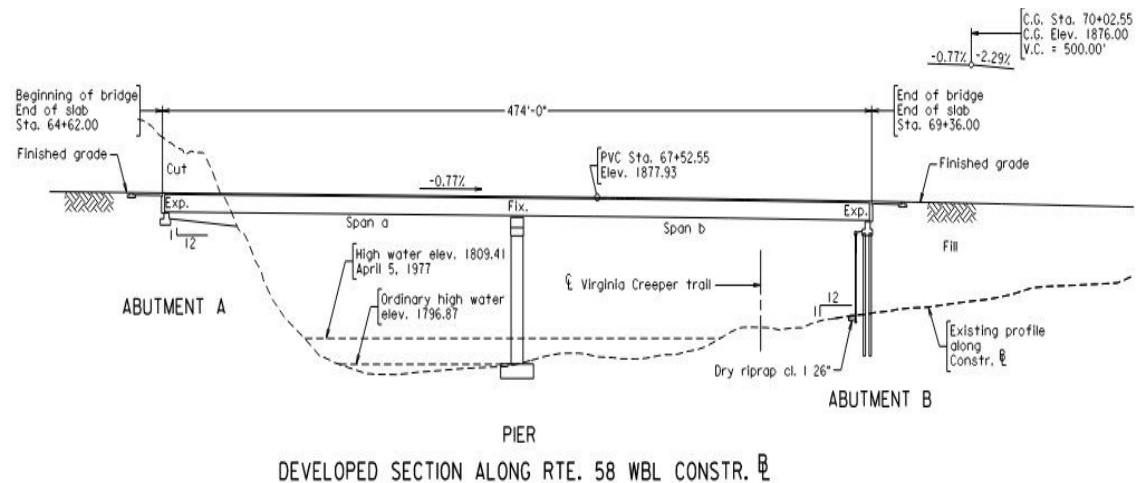
Project State	Approved Estimate
Preliminary Engineering	\$4.9 Million
Right of Way	\$6.7 Million
Construction	\$42.8 Million
TOTAL:	\$54.45 Million



Route 58 Abingdon to Damascus – UPC 16382 - Rural Principal Arterial

Project Information:

- Project scheduled Advertisement – June 8, 2020
- Project Length: 3.1 miles
- Project Type – Rural Principal Arterial.
- The project is a 4-Lane Widening project that is partially on new location.
- This segment will complete the 58 Corridor Abingdon to Damascus portion of the corridor.
- Bridge Info:
 - Twin Bridges with 2-spans will be required to cross the South Fork of the Holston River.
 - Bridge length will be approx. 474'
 - Bridge height will be approx. 80' to 85'
 - The NW bridge approach will require a significant amount of excavation.
- There is a USGS gaging station located very near the site of the new bridges. The contractor will need to protect the gage during construction.
- The Virginia Creeper Trail crosses directly under the new bridge structures. Close coordination with the Environmental Section will be required to maintain pedestrian traffic during construction.




Thank you for Your Interest in our Projects!



Virginia Department of Transportation

MEGA PROJECTS AND DESIGN BUILD OFFICE

A PARTNERSHIP FOR SUCCESS



Marty R. Halloway, PE, CCM
Bristol District Mega Projects Engineer

Program Overview

- **Role of this is to deliver P3 and Design-Build program within the Bristol District.**
- **The program was established in January 2021.**
- **Goals and Expectations**
 - **Consistent and uniform delivery**
 - **Complete management – no hand off process**
 - **Leverage innovation to maximize funding**
 - **Focus on the significant 7 areas**
- **Current Program Support**
 - **AECOM – 121/460 Contract**
 - **District-Wide Support Contracts – To be advertised with DW CEI.**
 - **Other**

Potential Upcoming Design-Build

ID	UPC	Project Description	Anticipated DB Process Start
1	116160	I-81 CIP NB MM 45.5 Extend Decel Lane (ID#6)	7/28/2023
2	116163	I-81 CIP NB MM 72.7 Extend Decel Lane (ID #10)	7/28/2023
3	116175	I-81 CIP SB MM 41.6 Add AUX. Lane (ID #18)	7/28/2023
4	117110	SGR21VB (FED ID 3017) Bridge Replacement I-77 Over RTE 606	10/22/2021
5	107115	I-81 Structures 17426 & 17427 Over Middle Fork Holston River	7/20/2022
6	106708	McMullen Bridge - RTE 660 Replace Structure #6073 (FED 17656)	TBD
7	Unassigned	I-77 NB Truck Climbing Lanes	TBD
8	Unassigned	RTE 460 @610 Improvements Claypool Hill	TBD
9	Unassigned	Piedmont Avenue - City of Bristol	TBD



THANK YOU

| Marty R. Halloway, PE, CCM

MAINTENANCE CONTRACTS BRISTOL DISTRICT

 Chris Byington
VDOT Bristol Infrastructure Manager

FACTORS AFFECTING DISTRICT FUNDING

- **Inventory lane miles and AADT**
 - Total inventory lane miles
 - Lane miles above and below AADT 3,500 (Primary and Secondary)
- **Pavement condition (2020) – Statewide Approach**
 - **Movement to target**
 - Interstate: 82% sufficiency
 - Primary: Tiered
 - Sections AADT \geq 3,500: 82% sufficiency
 - Sections AADT $<$ 3,500: 75% sufficiency
 - Secondary: Tiered
 - Sections AADT \geq 3,500: 82% sufficiency
 - Sections AADT $<$ 3,500: 60% sufficiency
- **Completed work (2020) and planned work (2021)**
- **Unit cost (average bid prices from CY 2021 paving work)**
- **In the past, districts were funded to stay at their current condition levels even if they exceeded targets. For CY 2022 paving, districts will be funded to support statewide policy.**

LANE MILES INVENTORY (2019)

District		1/BR	2/SA	3/LY	4/RI	5/HR	6/FR	7/CU	8/ST	9/NV
Interstate		536	504	-	1,325	825	287	279	974	714
Primary	AADT ≥ 3,500	1,366	1,762	1,727	2,293	1,180	1,879	1,436	1,490	1,612
	AADT < 3,500	1,551	884	1,022	986	507	290	398	1,023	53
Secondary	AADT ≥ 3,500	55	276	105	887	188	425	267	235	2,625
	AADT < 3,500	9,577	11,651	10,383	11,997	6,512	8,351	6,445	8,038	7,371
Total Lane Miles		13,085	15,077	13,237	17,488	9,212	11,232	8,825	11,760	12,375

PAVEMENT PERFORMANCE MEASURES

Performance Measure Description	Targets (% Sufficiency)
Interstate	82% No Section CCI less than 35
Primary	82% for \geq AADT 3,500 75% for $<$ AADT 3,500
Secondary	82% for \geq AADT 3,500 60% for $<$ AADT 3,500

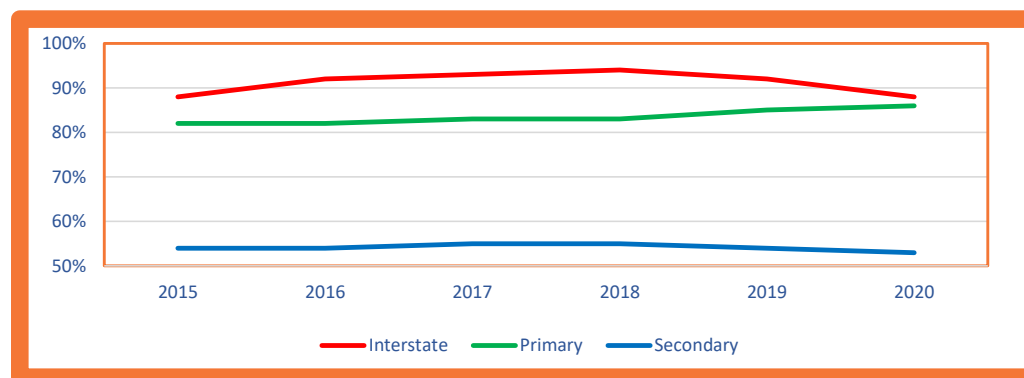
BRISTOL DISTRICT PAVEMENT SUFFICIENCY RATINGS BY SYSTEM

Six Year Historical Ratings

System	Target	2015	2016	2017	2018	2019	2020
Interstate	82%	88%	92%	93%	94%	92%	88%
Primary	82%	82%	82%	83%	83%	85%	86%
Secondary	65%	54%	54%	55%	55%	54%	53%

Ratings Based On New Tiered Approach

System	AADT	LM	Target	2019	2020
Interstate	All	536	82%	92%	88%
Primary	>3500	1,366	82%	87%	90%
	<3500	1,551	75%	84%	82%
Secondary	>3500	55	82%	64%	63%
	<3500	9,577	60%	54%	53%



HISTORICAL, CURRENT AND PROJECTED RATIO OF PAVEMENT FUNDING DISTRIBUTION (CY 2018 – 2025)

District	Historical				Projected			
	2018	2019	2020	2021	2022	2023	2024	2025
Bristol	10.2%	10.5%	10.6%	12.0%	12.3%	13.1%	11.2%	12.2%
Salem	12.0%	12.2%	12.0%	12.2%	11.6%	11.4%	14.0%	12.3%
Lynchburg	7.3%	7.4%	6.9%	4.7%	3.9%	3.4%	3.7%	3.9%
Richmond	14.5%	15.4%	15.2%	13.3%	13.5%	13.0%	15.2%	13.8%
Hampton Roads	5.9%	5.9%	5.3%	9.5%	9.1%	9.2%	8.9%	9.2%
Fredericksburg	6.4%	6.0%	6.1%	10.9%	10.3%	10.8%	9.8%	10.4%
Culpeper	7.6%	7.1%	7.5%	3.2%	3.0%	3.0%	3.4%	3.1%
Staunton	10.8%	8.9%	10.9%	10.4%	11.6%	11.0%	8.6%	10.4%
NOVA	25.3%	26.6%	25.5%	23.8%	24.7%	25.1%	25.2%	24.8%

BRISTOL DISTRICT TRADITIONAL PAVEMENT CONTRACTS ADVERTISEMENTS

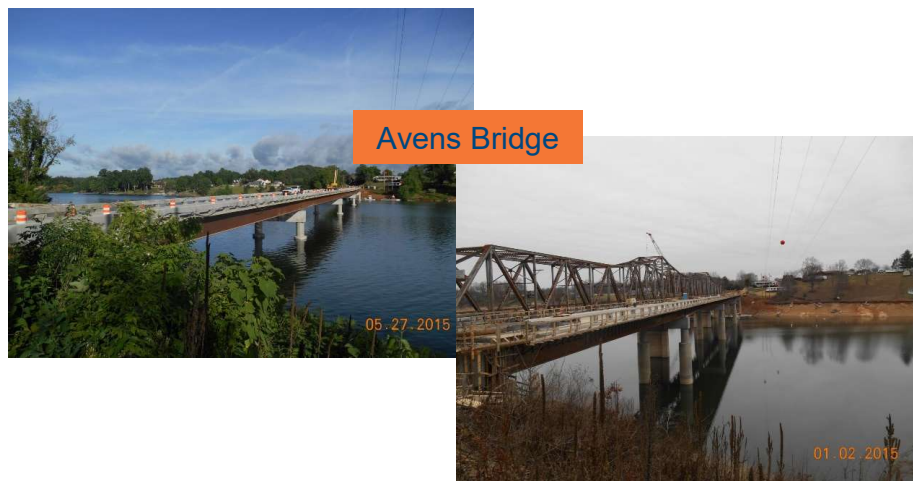
TREATMENT	# OF 2021 CONTRACTS	2021 QUANTITIES	CONTRACT VALUE 2021	ESTIMATED # OF 2022 CONTRACTS	ESTIMATED 2022 QUANTITIES	ESTIMATED CONTRACT VALUE 202
PLANT MIX	12	297,992 TONS	\$ 43.6 M		TONS	
LATEX	6	51,020 TONS	\$ 13.5 M		TONS	
SLURRY SEAL	1	542,315 SY	\$ 1.5 M		SY	
TOTAL	19		\$ 58.6 M			

BRISTOL DISTRICT TRADITIONAL PAVEMENT CONTRACTS ADVERTISEMENTS

System	2021 Lane Miles	Est. Cost	2022 Lane Miles	Est. Cost
Interstate	30 lane miles	\$ 8.8 M		
Primary	207 lane miles	\$ 20.9 M		
Secondary	961 lane miles	\$ 28.9 M		
TOTAL	1198 lane miles	\$ 58.6 M		

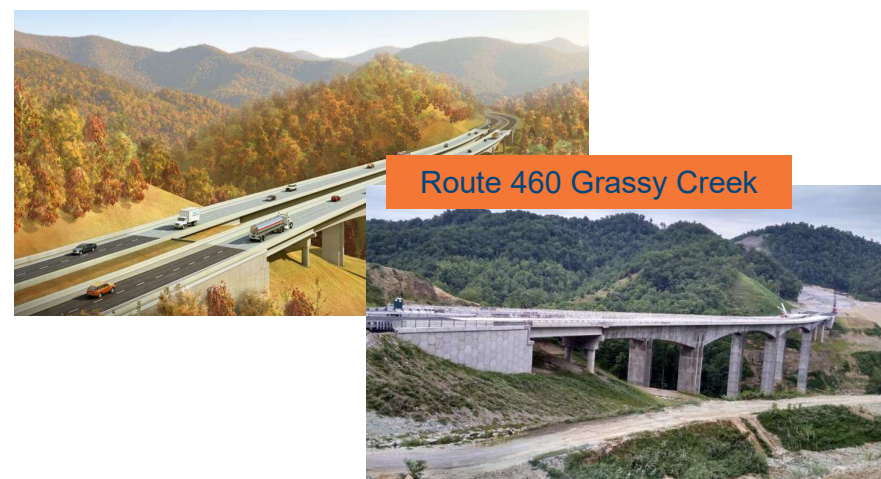
BRISTOL DISTRICT PAVEMENT ACTION PLAN

- As of April 2, the district estimates that we will apply treatment to 1,198 lane miles in 2021.
- Based on planned paving, the district is predicted to meet performance targets on the interstate and primary systems but not on the secondary system.
- Currently the district has 0.0 lane miles with CCI < 30 on the interstate system.
- Based on our secondary ratings with AADT<3500 we will be concentrating on doing more PM Treatments to stretch our paving dollars and maximize results



BRISTOL DISTRICT Bridge Division

John Bechtold, PE, Bristol District Bridge Engineer



BRISTOL DISTRICT BRIDGE PERFORMANCE

On 12/11/19 the CTB adopted new Statewide Bridge Performance Measures:

- The “average weighted general condition rating” for all structures (NBI & non-NBI) shall be greater than or equal to 5.6.
 - Current “average weighted general condition rating” for Bristol District is 6.1 ✓
- No more than the following percentage of all structures (by System - NBI & non-NBI) will be Structurally Deficient (SD):
 - Interstate System – No more than 3% of all structures (NBI & non-NBI)
 - Current status for Bristol District – 2.3% ✓
 - Primary System – No more than 7% of all structures (NBI & non-NBI)
 - Current status for Bristol District – 2.2% ✓
 - Secondary System – No more than 10% of all structures (NBI & non-NBI)
 - Current status for Bristol District – 5.1% ✓
- No posted structures on the Interstate System
 - Current status for Bristol District – No posted structures on the Interstate System ✓

BRISTOL DISTRICT FY22 BRIDGE ACTION PLAN

As a result of the new performance targets, Bristol District is utilizing a “system preservation” approach. This focuses on rehabilitation work on the lower rated Fair structures and continued reduction of the number of Poor structures.

System Preservation

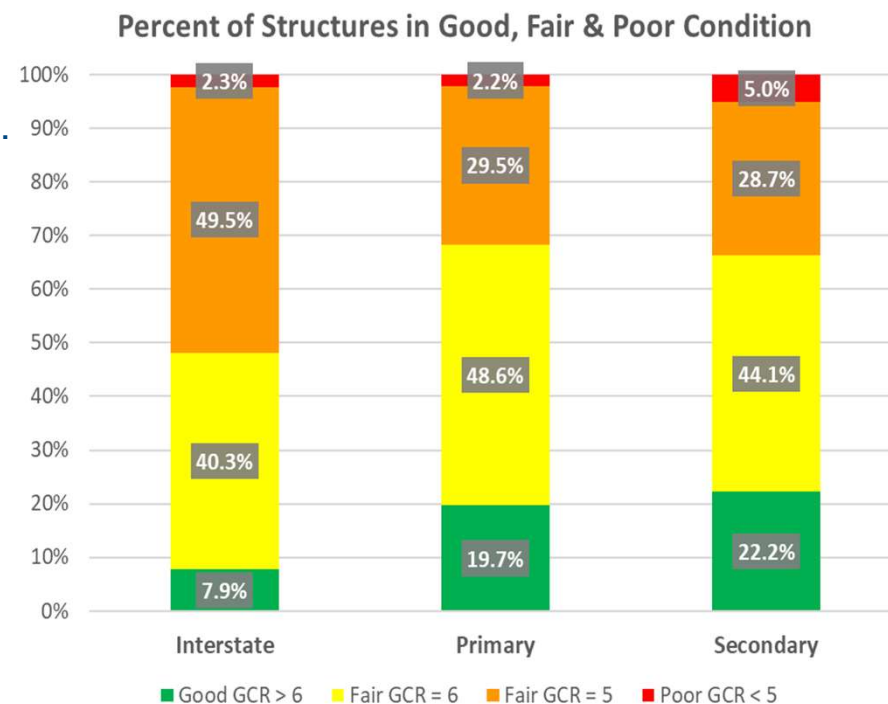
- Currently 3,250 structures (95.9%) are rated Fair or Good.
- Currently 1,024 structures (30.2%) are Rated 5 – Fair

Poor (Structurally Deficient – SD)

Bristol District currently has 138 structures in Poor Condition.

- 30 - Non-VDOT structures owned by localities
- 70 - VDOT NBI structures
- 38 - VDOT Non-NBI structures

Bristol District is currently at 95.9% non-SD overall



BRISTOL DISTRICT RECENTLY ADVERTISED BRIDGE PROJECTS

Project Description	UPC	Current Ad Date	Current Total Estimate
Bridge Replacement-Taylor's Valley Rd over Laurel Creek, Fed ID 19162	104828	January 2021	\$3.3 M
#SGR-Tazewell Av Beaver Pond Creek Bluefield VA, Fed ID 22423	113880	January 2021	\$1.2 M
#SGR - Shawnee Avenue Bridge Repair/Replacement	71874	March 2021	\$2.8 M
Route 663 VA Structure #6083 Federal #16486	110937	March 2021	\$1.2 M
Br Rehab Rte. 603 (Cove Rd) over Rte. 52 & I81, Fed ID 22381	115172	March 2021	\$2.0 M
Br Rehab I-77 MM 64 (Fed ID 2292, 2293, 3022, 3023)	115174	March 2021	\$10.5 M

BRISTOL DISTRICT UPCOMING BRIDGE PROJECTS

Project Description	UPC	Current Ad Date	Current Total Estimate
Rte. 58 - Parallel Lane - Corridor Development, Rhea Valley	16382 L&D Project	June 2021	\$54.5 M
Bridge Replacement Rte. 717, Fed ID 18657	101374	November 2021	\$1.2 M
Bridge Rehab Rte. 619 over I-81 & Rte. 11, Fed ID 19684	115173	November 2021	\$3.3 M
Bridge Replacement-Water Street over Beaver Dam Creek, Fed ID 19212	104994	December 2021	\$3.0 M
Route 880 VA Structure #1007 Federal #11003	110938	December 2021	\$2.4 M
#SGR-Route 58, Fed ID 22453	113982	December 2021	\$2.8 M

BRISTOL DISTRICT UPCOMING BRIDGE PROJECTS

Project Description	UPC	Current Ad Date	Current Total Estimate
#SGR Bridge Replacement- Roanoke Hill Road over Rte. 63, Fed ID 16511	106175	February 2022	\$4.5 M
#SGR18LB-RT 61 Tazewell Co VA# 1807 Fed ID 22548	111261	May 2022	\$1.5 M
#SGR-Fairground Rd Rte. 16 Clinch River Tazewell VA, Fed ID 22544	113876	May 2022	\$2.3 M
#SGR-Route 16 Tazewell Co VA #1800 Federal #22542	111238	November 2022	\$2.8 M
#SGR Route 61 over Cove Creek Tazewell VA 1069 Fed ID 18469	113848	November 2022	\$0.8 M

BRISTOL DISTRICT UPCOMING BRIDGE PROJECTS



BRISTOL DISTRICT UPCOMING BRIDGE PROJECTS



SOUTHWEST REGIONAL OPERATIONS

Christopher McDonald, P.E., PTOE, Regional Operations Engineer
Sean Grinnell, P.E., Regional Program Delivery Engineer

Southwest Operations Region

Bristol, Lynchburg, & Salem Districts



Salem District SOUTHWEST REGION

System Performance Measures

Focus is on Roadway Clearance Time
30 and 90 minute goals

Regional Support

Recruitment underway

Signal and Freeway Operations Engineer
Assistant District Traffic Engineer

Data Date

2020 November - January Data
as of 2/5/2021

Interstate Roadway Clearance Time

Incident Counts

District	Total Count	Under 30 Mins Target	Under 90 Mins Target
Bristol	100	41	85
Culpeper	109	42	95
Fredericksburg	234	84	202
Hampton Roads	1398	833	1288
Northern Virginia	1151	406	1030
Richmond	845	328	759
Salem	197	54	150
Staunton	309	77	236
Statewide	4343	1865	3845

District	Under 30 Mins Target	Incidents < 30 Mins	Under 90 Mins Target	Incidents < 90 Mins
Bristol	38.0%	41.0%	81.0%	85.0%
Culpeper	31.0%	38.5%	87.0%	87.2%
Fredericksburg	45.0%	35.9%	86.0%	86.3%
Hampton Roads	59.0%	59.6%	94.0%	92.1%
Northern Virginia	49.0%	35.3%	90.0%	89.5%
Richmond	42.0%	38.8%	86.0%	89.8%
Salem	33.0%	27.4%	81.0%	76.1%
Staunton	30.0%	24.9%	81.0%	76.4%
Total				

Green = Target or above
Yellow = .95 * target
Red = Below .95 * target

District Performance Report

	Target	Bristol	Culpeper	Fredericksburg	Hampton Roads	Lynchburg	Northern Virginia	Richmond	Salem	Staunton	Central Office	Statewide
*****Safety*****												
Safety												
OSHA Recordable Rate	2.50	3.05	4.32	2.68	2.32	2.08	2.74	3.89	3.49	2.10	0.28	2.52
Serious Injury Rate		9.98	12.11	7.15	11.63	11.48	4.87	8.69	10.42	7.76		8.94
Traffic Fatality Rate		1.70	1.59	1.27	1.19	1.04	0.59	1.23	1.47	1.12		1.20
*****Projects*****												
Projects												
Development On-Time	70.0%	73.2%	73.3%	83.8%	50.0%	86.4%	68.4%	48.3%	71.7%	71.7%	25.0%	66.6%
Development On-Budget	74.0%	80.4%	66.7%	70.3%	63.3%	86.4%	71.9%	70.0%	80.4%	75.5%	100.0%	73.4%
Delivery On-Time	77.0%	100.0%	91.7%	88.9%	67.3%	89.5%	80.7%	80.9%	79.2%	90.0%		83.4%
Delivery On-Budget	85.0%	97.1%	95.8%	92.8%	88.5%	100.0%	94.7%	94.1%	90.3%	98.0%		94.1%
SQIP % Compliance	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%		50.0%
*****Operations*****												
Operations												
Incidents < 30 Mins		41.0%	38.5%	35.9%	59.6%		35.3%	38.8%	27.4%	24.9%		42.9%
Incidents < 90 Mins		85.0%	87.2%	86.3%	92.1%		89.5%	89.8%	76.1%	76.4%		88.5%
*****Roadway Condition*****												
Roadway Condition												
Interstate	82.0%	88.1%	95.7%	96.8%	89.4%		83.0%	93.1%	88.2%	87.3%		89.6%
Primary >= 3500 AADT	82.0%	89.8%	91.4%	80.4%	81.5%	83.0%	83.0%	88.6%	85.7%	88.4%		85.8%
Primary < 3500 AADT	75.0%	81.8%	82.7%	85.4%	82.7%	83.0%	77.4%	82.4%	83.1%	83.4%		82.7%
Secondary >= 3500 AADT	82.0%	62.7%	69.8%	53.1%	60.6%	78.3%	59.0%	45.4%	65.8%	69.3%		58.0%
Secondary < 3500 AADT	80.0%	53.3%	63.2%	48.3%	74.0%	72.1%	48.2%	56.7%	54.8%	67.7%		59.4%
Structure Condition												
Structures												

Upcoming TOC Contracts - Statewide

ITS Maintenance

Plan to sign 1st of two possible 1 year renewables spring of 2021

New Statewide ITS Maintenance contract in development

TOC Floor Operations & Safety Service Patrol

First availability 2023

(5 years with two 2 year renewal options)

SOUTHWEST REGION PROGRAM DELIVERY

 Sean Grinnell, P.E., Southwest Region Program Delivery Engineer

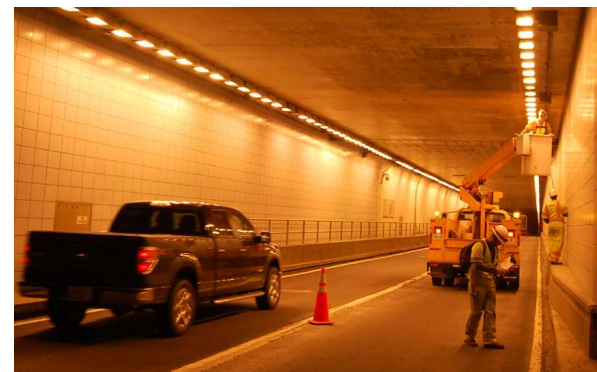
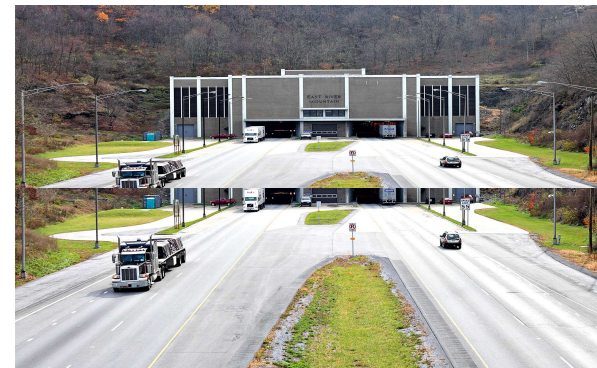
Regional Signal Contract Update

- A \$4.7M contract was executed in November 2020
- 2 year initial term that ends 12/30/2022
- Contract can be extended with 2, 1-year renewable terms
- Less focus on traditional traffic signal rebuilds
- Increased focus on communications and technology improvements
- SWRO ITS Installation/Construction CEI Contract
 - \$2.0M contract certified in January 2020
 - 2 year initial term that ends in January 2022
 - Contract can be extended with 2, 1-year renewable terms

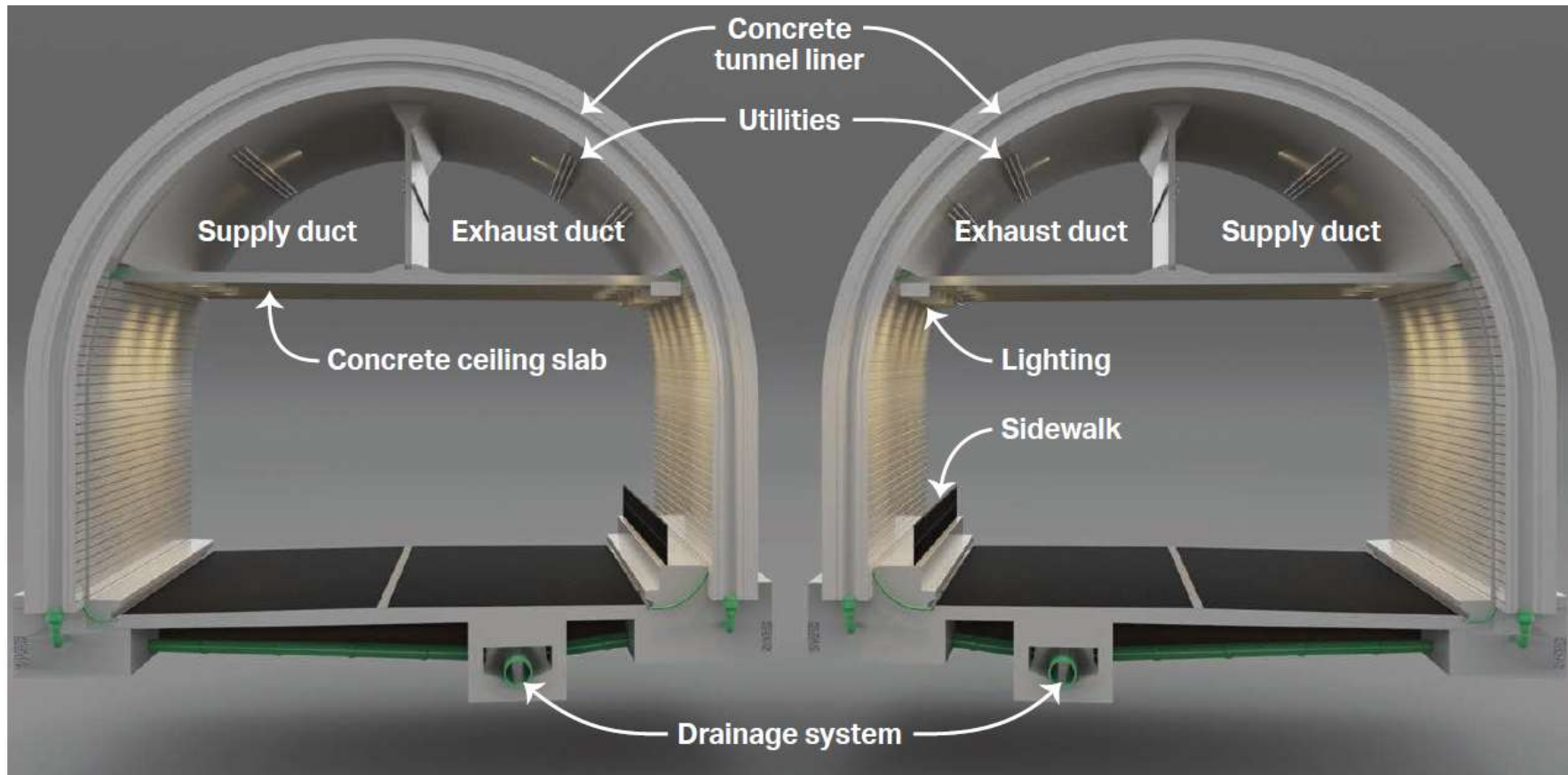


Big Walker and East River Mountain Tunnels

- VDOT has developed a 50-year plan to address the needs of the 25 Special Structures across the State including 3 in Bristol District:
 - Big Walker Mountain Tunnel on I-77
 - East River Mountain Tunnel on I-77
 - Route 460 Connector Twin Bridges over Route 610 and Grassy Creek in Buchanan County
- Mountain Tunnel projects to be funded by Special Structures Program beginning in FY22
 - Fire & Life Safety improvements
 - Major rehabilitation and repairs of tunnel elements
- FY22 funds will finalize the design for 3 projects that will spend FY23 construction funds:
 - Supervisory Control and Data Acquisition (SCADA)
 - Saccardo Nozzle
 - Median Crossovers

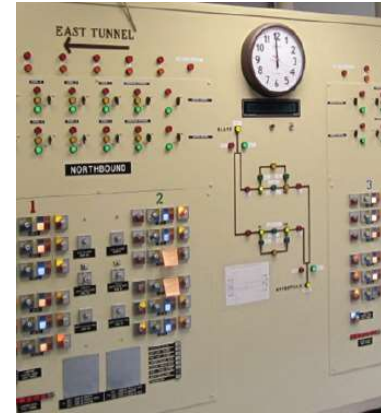


Big Walker and East River Mountain Tunnels



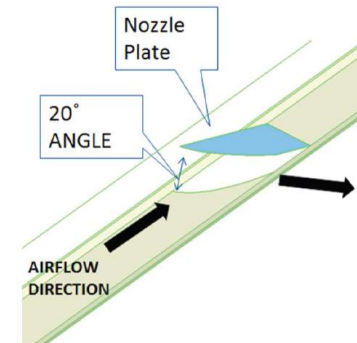
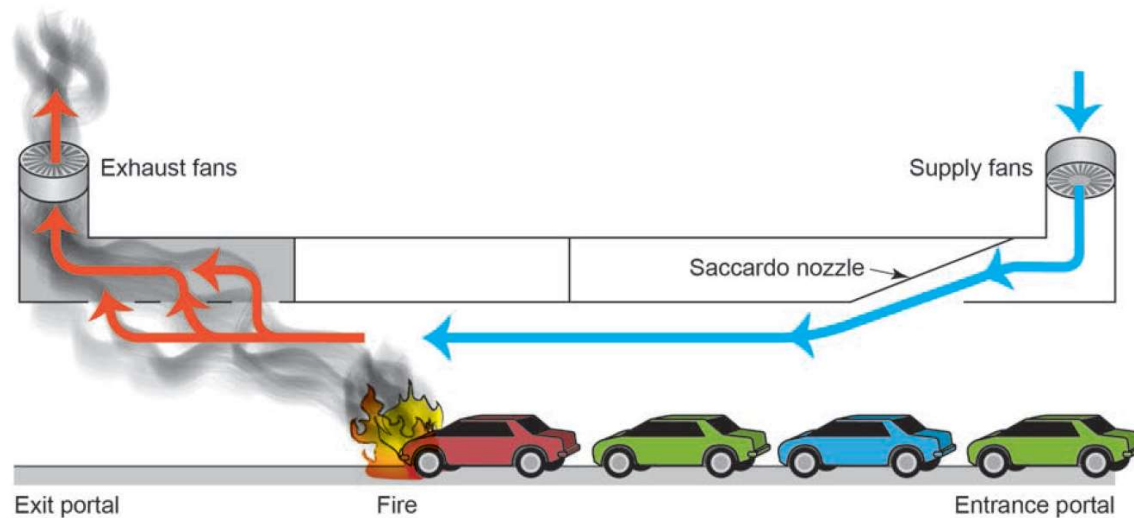
Supervisory Control and Data Acquisition (SCADA) Replacement

- Provides as a long term solution that will improve reliability, reduce risk or operator error, and can accommodate future improvements
- Project will replace the original, outdated control system by reconfiguring control rooms, and implement a new SCADA system at both tunnels
- Spring 2022 Advertisement (RFP)
- Prospective bidders will be required to:
 - Work in a 24/7 staffed facility that performs emergency response at times
 - Subcontract with a prequalified SCADA Integrator
- Estimated construction cost is \$7M for both tunnels



Saccardo Nozzle

- Project will reconfigure the ventilation ducts to create longitudinal airflow in the tunnel, improving emergency ventilation capacity using existing fans
- Estimated construction cost is \$5M for both tunnels
- Fall 2022 Advertisement



Median Crossovers

- Project will construct adequately designed crossovers to use during tunnel closures for alternating traffic flow – will be built in advance of a larger scale traffic management system
- Estimated construction cost is \$10M for both tunnels
- Fall 2022 Advertisement



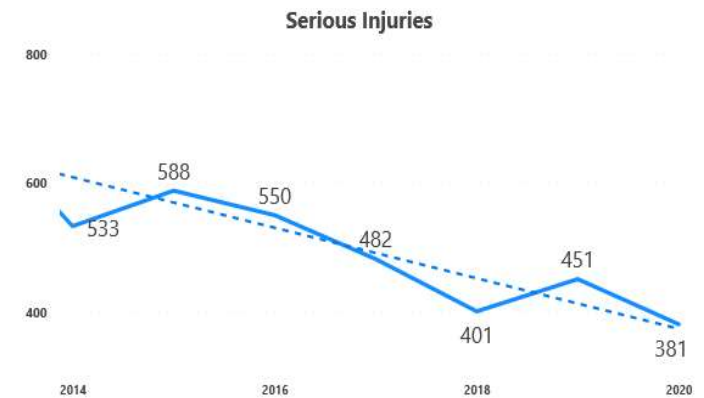
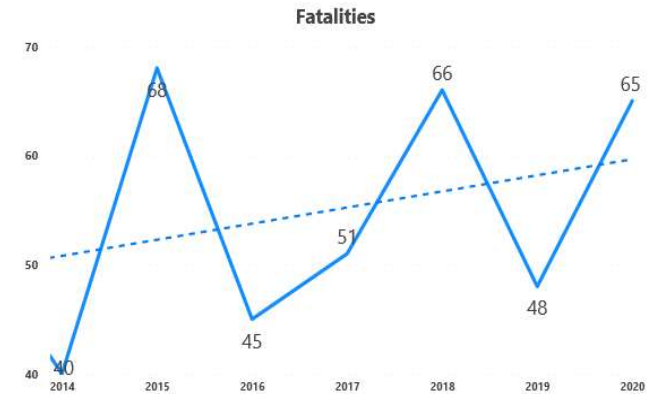
BRISTOL DISTRICT TRAFFIC ENGINEERING



Brian Holt, P.E., PTOE, Bristol District Traffic Engineer

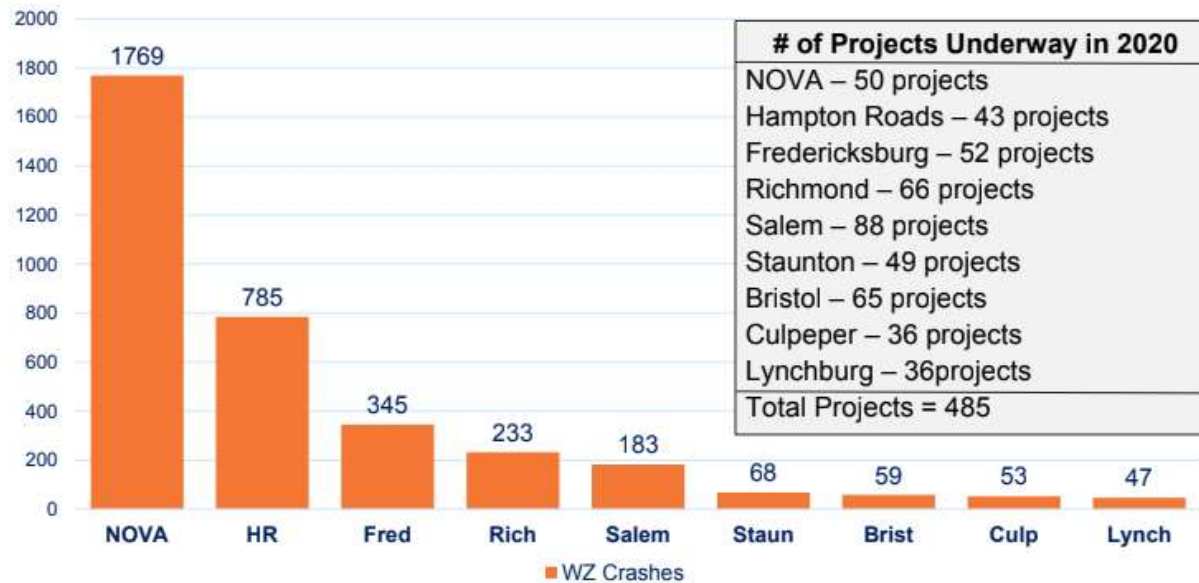
Bristol DISTRICT SAFETY TRENDS

- Tracking fatal and serious injury crashes
- 2020 Fatal Crashes were approximately 8% higher than the 3-year average.
- 2020 Serious Injuries were approximately 7% lower than 3-year average.
- Approximately 62% of all fatal crashes in 2020 were roadway departure crashes.
- Approximately 83% of all fatal crashes in 2020 occurred on Primary and Secondary roads (56% Primary and 27% Secondary).



Statewide Work Zone Crashes

2020 Work Zone Crashes by District



- 42 of the crashes occurred on the interstate.

HSIP SYSTEMIC TREATMENTS

- More effective than spot improvements
- Eight treatments included in program
- Two already completed by Bristol District
- Unsignalized Intersections - \$625K
 - Ad September 2022
- Curve Delineation - \$2.5M
 - Ad July 2023
- Centerline Rumble Strips - \$500K
 - Ad July 2022
- Edgeline Rumble Strips - \$1.2M
 - Ad July 2022
- Additional advertisements in subsequent years
- Shoulder wedge will be included in paving projects

The Essential 8 Systemic Safety Items

High-visibility Backplates  Up to 15% crash reduction	Flashing Yellow Arrow  Up to 20% crash reduction	Curve Signs  Up to 40% crash reduction	Pedestrian Crossings  Up to 56% crash reduction
Unsignalized Intersections  Up to 10% crash reduction	Shoulder Wedge  Up to 20% crash reduction	Centerline Rumble Strips  Up to 60% crash reduction	Edgeline Rumble Strips  Up to 50% crash reduction

VDOT | Virginia's Systemic Safety Implementation Plan

I-81 Parallel Route Improvements-Bristol District

Communications and technology projects

- VDOT Signals
 - RSC Task Spring 2021
 - \$900K
- City of Bristol High Priority Routes and Town of Wytheville project
 - Ad Spring 2022
 - \$3.5M
- Town of Abingdon and Town of Marion project
 - Ad Summer 2022
 - \$3.6M

Significant work elements:

- Controller and technology improvements
- Signal detection improvements
- Communication network



BRISTOL ON-CALL AND PROJECT SPECIFIC OPPORTUNITIES

- **Pavement Markings Maintenance On-Call (UPC 116641):** Refresh existing pavement markings on I-81 & I-77 and primary & secondary routes in 7 counties. Will be done with the existing on-call contract.
- **Programmatic Guardrail Upgrade On-Call (UPC 116921):** Upgrade substandard guardrail along various high speed corridors through out the district. Will be done with the existing on-call contract.
- **Signal Upgrade in Lee County:** Upgrade existing signal at W Morgan Avenue and Kentucky Street. Approximately \$350,000. A task order will be issued to the Regional signal contract.
- **Rumble Stripe/Shoulder Widening/guardrail upgrades Projects:** Two separate projects for rumble stripe/shoulder widening/guardrail upgrades. One in Dickenson and Wise and the other in Wise, Lee and Scott. Approximately \$9.5M. Just advertised.



BRISTOL CONSTRUCTION

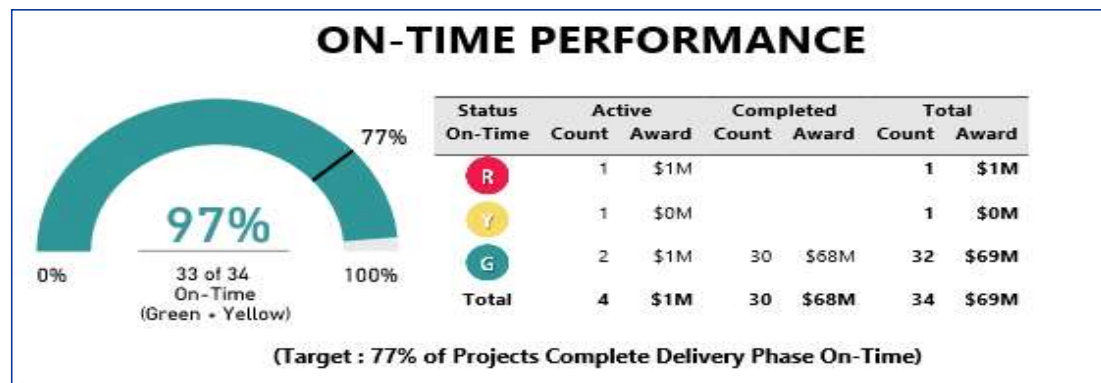
James Parsons, P.E.
District Construction Engineer

Construction Section Heads

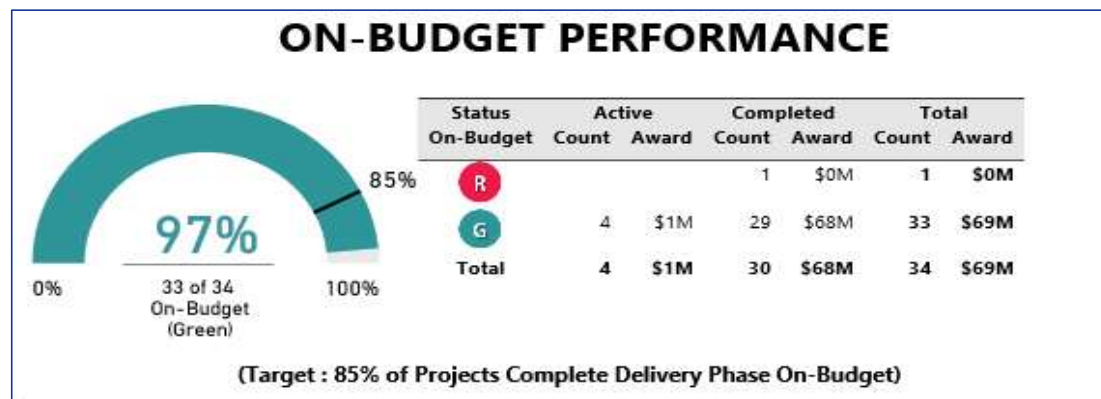
District Materials Engineer
Eastern Area ACE
Central Area ACE
Western Area ACE
Project Controls Engineer

Steven Mullins, P.E.
Becky Bane, PE
Brian Plummer, PE
Todd Bolling, PE
Vacant

FY2021 CN Performance July 2020 – June 2021



97%



97%

Consultant Services

Bristol District Existing CEI Services

- A. Morton Thomas, Inc.
- McDonough, Bolyard and Peck, Inc.
- Term 3, final term

New Bristol District CEI Services

- \$6,000,000 First Term
- \$5,000,000 Renewal Terms
- To be advertised later this year

Construction Areas of Focus

- **Project Safety**
- **Environmental Compliance**
- **Project Record/Materials Documentation**
- **Constructability Reviews**
- **Variable Boundaries**

WELCOME

PRESENTER

Maurice Hughes

Civil Rights Specialist

Bristol District Civil Rights Office

EMPLOYEE RIGHTS UNDER THE DAVIS-BACON ACT

**FOR LABORERS AND MECHANICS
EMPLOYED ON FEDERAL OR
FEDERALLY ASSISTED
CONSTRUCTION PROJECTS**

PREVAILING RATES

OVERTIME

ENFORCEMENT

APPRENTICES

PROPER PAY

The Davis-Bacon Act requires that the Federal Government and the States determine prevailing rates for laborers and mechanics employed on Federal and Federally assisted construction projects.

The Act also requires that contractors and subcontractors on these projects pay their workers the prevailing rates for laborers and mechanics.

Violations of the Act may result in civil penalties and debarment from future Federal and Federally assisted construction projects.

Apprentices may be employed on these projects if they are registered with the appropriate State or Federal agency.

Contractors and subcontractors must pay their workers the prevailing rates for laborers and mechanics, including overtime pay, and must submit certified payrolls to the appropriate State or Federal agency.

Contractors and subcontractors who fail to comply with the Act may be subject to civil penalties and debarment from future Federal and Federally assisted construction projects.

For more information, visit www.dhs.gov/dhs/doj/eis/whd.



Disadvantaged Business Enterprise (DBE) Compliance

Civil Rights & Labor Management System

- The CRL system manages the Agency's Labor, EEO, and DBE regulation requirements and provides contractors a faster, easier, and more accurate way to submit certified payrolls and subcontractor payments
- The system allows VDOT civil rights division to track certified payrolls and DBE subcontractor payments
 - Live snapshot for DBE payments
 - Contract Wage Decision uploaded in the system
- As of March 1, 2020, all contracts will include the Special Provision 107-000120-000



Virginia Department of Transportation

Special Provision Contractor Requirements

- **The contractor and all subcontractors shall submit all certified payrolls and subcontractor payments electronically, using the Civil Rights and Labor Management System**
- **The electronically submission of payrolls and subcontractor payments replaces the paper submission of certified payrolls and Monthly EEO report (Form C-57)**

System Requirements

- **Contractors will request and be given an user login and password**
 - Login and passwords are unique to a designated employee and must not be shared with other employees.
 - Contractors should request a user login and password for each employee needing access
- **No fees associated with accessing the system**
- **District Civil Rights offices will provide training on the systems processes and procedures**

Resources

- **Training Modules**
 - **Manual entry**
 - **Import data via excel spreadsheet**
 - **Payroll Software conversion**

CRL Website Link

https://www.virginiadot.org/business/aashtoware_project_civil_rights_and_labor_crl_management_system.asp

Essential to the DBE Program

- **Emphasizing better communication and understanding the mutually beneficial goals and opportunities surrounding the DBE program**
- **Promoting and facilitating business opportunities and professional development of DBE contractors**
- **Adoption of business strategies that help to increase the utilization of DBE contractors on contracts**
- **Providing educational workshops and networking opportunities to help build relationships with DBE contractors**
- **Identifying barriers and developing solutions that strengthen and enable DBE growth**

Contact Information

Need Help

- Gaining access and technical questions

CRLMS@vdot.virginia.gov

- Bristol District Office contacts

- **Mary Ann Altum, Bristol District Civil Rights Manager**
 - Maryann.Altum@vdot.virginia.gov
- **Maurice Hughes, Civil Rights Specialist**
 - Maurice.Hughes@vdot.virginia.gov
- **David Hylton, Civil Rights Inspector Sr. DBE**
 - David.Hylton@vdot.virginia.gov

I-81 CORRIDOR IMPROVEMENT PROGRAM UPDATE

VTCA BRISTOL DISTRICT – DIALOGUE WITH THE DISTRICT

Dave Covington, PE
I-81 Program Delivery Director

May 5, 2021

Project Development Process (Capital Projects)



Planning

16 PROJECTS



Preliminary
Engineering (PE) &
Environmental
Evaluation



Design

28 PROJECTS



Right of Way &
Utility
Coordination



Construction

4 PROJECTS



Completed

8 PROJECTS

Capital Improvement Project Status - Bristol

Bristol District

- 7 projects under design by VDOT staff
- 4 projects under design by on-call consultant
- 2 projects under design by project-specific consultant (procured)
- 1 Design-Build project in contract execution (MM 48.1 to 48.9 NB Accel. Extension)
- 1 Project under construction (Exit 17, bundled with Smart Scale project)
- 1 Project construction contract “awarded” April 28th (MM 84.3 to 84.5 SB Decel)
- 2 projects construction complete
- **Of the 18 current projects in the District, all are currently under design or construction**
- **Upcoming Construction Advertisements:**
 - MM 19.2 to MM 19.3 – May 2021
 - MM 67.3 to MM 67.4 – May 2021
 - MM 38.7 to MM 38.9 – July 2021

Capital Improvement Project Status - Salem

Salem District

- 2 projects under design by VDOT staff
- 0 projects under design by on-call consultant
- 1 project under design by project-specific consultant (procured)
- 2 Design-Build projects, bundled and currently in contract execution
- 1 project construction complete
- **Of the 6 current projects in the District, all are currently under design or construction**

Capital Improvement Project Status - Staunton

Staunton District

- 3 projects under design by VDOT staff
- 1 project under design by on-call consultant
- 4 projects under design by project-specific consultant (procured)
- 0 Design-Build projects to date
- 3 projects under construction (Exit 291, Exit 296, Exit 304 Truck Scales)
- 5 projects construction complete
- **Of the 16 current projects in the District, 14 are currently under design or construction**
- **Current Construction Advertisements:**
 - Exit 205 NB Accel. Extension & Exit 205 SB Accel. Extension – April 2021 (Bundled with Smart Scale Project)

Operational Improvement Project Status

Corridor-wide Operational Improvements

- **Curve Improvements (static and flashing Chevron signs) - Complete**
- **Safety Service Patrol Enhancements - Complete**
- **Towing and Recovery Incentive Program – Underway with completion scheduled for May 2021**
- **Lift and Tow - Complete**
- **Traffic Camera Installations – Complete**
- **Changeable (Digital) Message Signs – Under construction, on schedule, fixed completion date October 28, 2021**

Operational Improvement Projects - Bristol

Communications and technology projects:

- VDOT signals
 - Regional Contract Task Underway
- City of Bristol High Priority Routes and Town of Wytheville project
 - Ad January 2022
- Town of Abingdon and Town of Marion project
 - Ad March 2022



Significant work elements in progress:

- Design of communication network for high priority routes in City of Bristol
- PE Work underway for VDOT signals

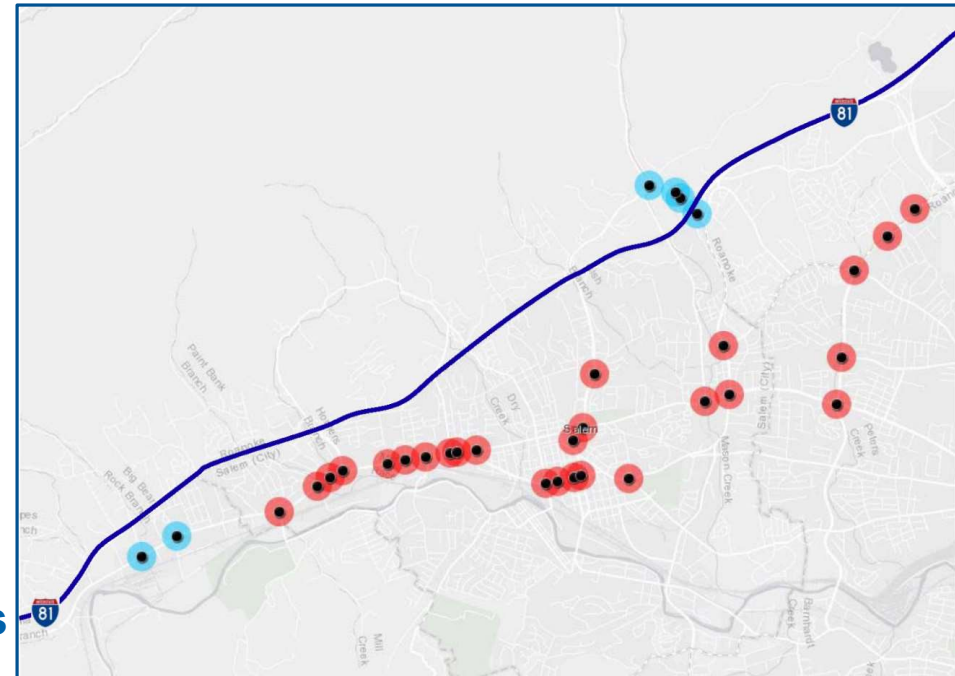
Operational Improvement Projects - Salem

Communications and technology projects:

- **VDOT network (in blue)**
 - **Regional Contract Task Underway**
- **Cities of Salem and Roanoke project (in red)**
 - **Ad January 2022**
- **Christiansburg, Pulaski, and Radford project**
 - **Ad March 2022**

Significant work elements in progress:

- **Route 11/Route 117 communications and technology project**
 - **Pending final connections by fiber providers**
 - **11 intersections**
- **Finalization of MOUs with localities**
- **Buildout of TOC fiber network**



Operational Improvement Projects - Staunton

Communication, technology and operational improvement projects:

- Exit 240 at Route 257 in Rockingham County – UPC 117569
 - Design completion Summer 2021
- Exit 323 at Route 669 and Exit 321 at Route 672 in Frederick County – UPC 117569
 - Design completion Summer 2021
- Route 11 Intersection Improvements in Rockbridge County
 - Constr. Summer 2021, Hired Equipment Contractors
- Exit 225 at Route 262 and Exit 227 at Route 612 in Augusta County
 - Ad Fall 2021
- Exit 235 at Route 256 in Augusta County
 - Ad Fall 2021

Improvements completed:

- UPC 116040 - Exit 307 at Route 277 and Exit 317 at Route 11 in Frederick County
 - Traffic signal modifications to implement ATSPM

Significant work elements in progress:

- PE phase and design
- Construction of Route 11 Intersection Improvements

Active & Upcoming Procurements

Active Procurements

- **Program Support Services (Design-Build)**
 - Contract Execution May 2021
- **Exit 137 – Exit 141 Design-Build Project**
 - Contract Execution May 2021
- **MM 48.1 to MM 48.9 NB Acceleration Lane Extension**
 - Contract Execution June 2021

Future Procurements (Professional Services)

- **None currently planned**

Takeaway Scorecard

Activity	Status	Anticipated Completion
Curve improvements (8)	Complete	Fall 2019
Initial accel/decel lane extensions (8)	Complete	Fall 2020
Safety Service Patrol Expansion	Complete	July 2019
Additional Cameras (51)	Complete	Spring 2020
Additional Changeable Message Signs	Underway	October 2021
Arterial Upgrades	Underway	Varies by project
Active Construction Projects (4)	Underway	Varies by project
Remaining capital projects (28)	Underway	Varies by project

Next Steps

- **Complete Procurement**
 - Exit 137 to Exit 141 Design Build (2 projects bundled)
 - Design-Build Program Support Services Contract
 - MM 48 Single Phase Design-Build
- **Continue Design of Capital Improvement Projects**
- **Complete Traffic Camera Installations**
- **Complete Projects Under Construction**
- **Begin Arterial Improvements**
- **Execute TRIP Program**

I-81 BRISTOL DISTRICT UPDATE

VTCA



Gene Holley, PMP
I-81 CIP Bristol Project Manager

2021

Active Projects

1. ID #27 – UPC 116170 - Mile Marker 8 to 9.6 Third Lane Addition
2. ID #26 - UPC 116171 - Exit 17 SB Acceleration Lane 700' Extension – **Under Construction**
3. ID #2 - UPC 116155 - Exit 19 NB Deceleration Lane 300' Extension - **May Adv.**
4. ID #3 - UPC 116156 - Mile Marker 32.2 - 33.5 NB Truck Climbing Lane Addition
5. ID #21 - UPC 116172 - Mile Marker 32.9 - 34.1 SB Truck Climbing Lane Addition
6. ID #4 - UPC 116157 - Mile Marker 39.7 - 40.8 NB Truck Climbing Lane Addition
7. ID #5 - UPC 116159 - Exit 39 NB Deceleration Lane 300' Extension – **August Adv. ***
8. ID #19 - UPC 116174 - Exit 39 SB Deceleration Lane 200' Extension – **August Adv. ***
9. ID #17 - UPC 116167 - Exit 44 SB Acceleration Lane 900' Extension – **Sept. Adv.**
10. ID # 7 - UPC 116161 - Exit 47 NB Acceleration Lane 4000' Addition – Design Build
11. ID #16 - UPC 116158 - Exit 47 SB Acceleration Lane 900' Extension – **August Adv. ***
12. ID #15 - UPC 116169 - Exit 54 SB Acceleration Lane 1500' Extension
13. ID #8 - UPC 116162 - Exit 67 NB Deceleration Lane 300' Extension – **May Adv.**
14. ID #12 - UPC 116165 - Exit 84 SB Deceleration Lane 400' Extension – **March Adv.**
15. ID #11 - UPC 116164 - Exit 41 I-77 NB Ramp Reconfiguration and Decel. Lane Extension
16. ID #20 – UPC 116173 – Animal Control Fence and High Friction Epoxy Overlay – **July Adv.**

I-81 SB, MM 8 to 9.6 3rd Lane (ID 27) UPC 116170



Add Third Lane to Median Side
Anticipated Costs: \$30m - \$35m

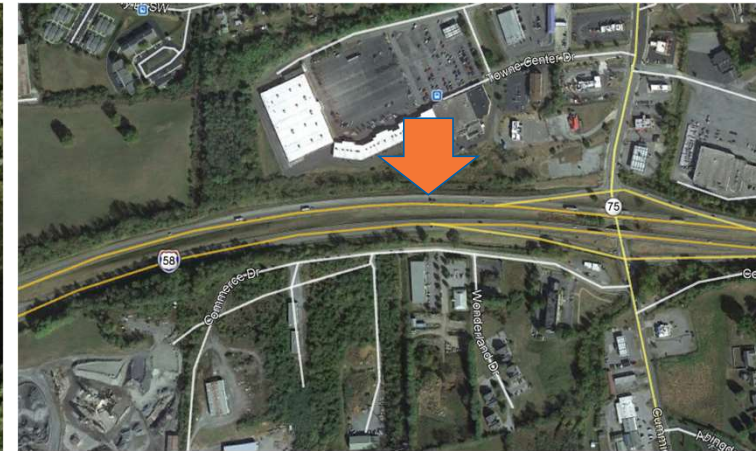


I-81 Typical with Inside Widening and Median Barrier

Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Spring/Summer 2024
End Construction:	Spring 2026

I-81 SB, Exit 17 Acceleration Lane (ID 26) UPC 116171

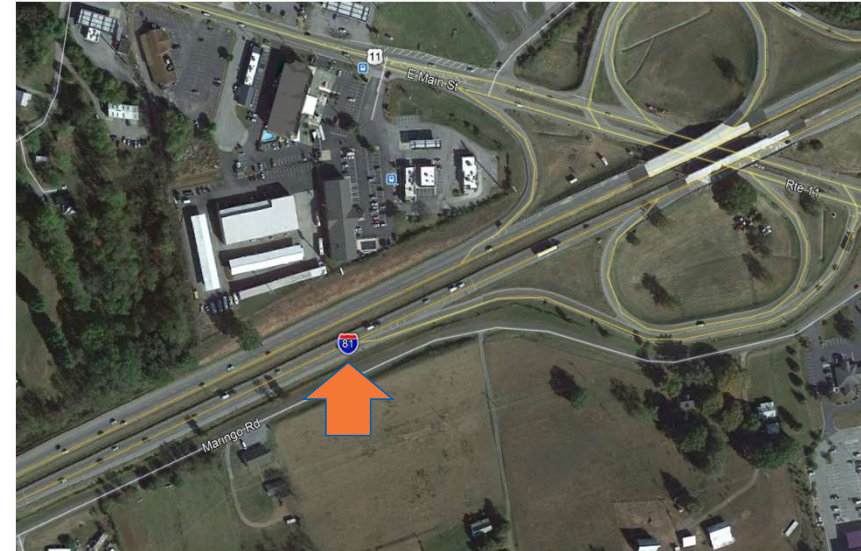


Anticipated Schedule

Begin Design:	Complete
Begin Construction:	Underway
End Construction:	Summer 2021

I-81 NB, Exit 19 Deceleration Lane (ID 2) UPC 116155

Extend Deceleration Lane Approx. 300'
Anticipated Costs: \$2m



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Summer 2021
End Construction:	Fall 2021

I-81 NB, MM 32.2 to 33.5 T.C.L. (ID 3) UPC 116156



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Summer 2023
End Construction:	Spring 2025

I-81 SB, MM 32.9 to 34.1 T.C.L. (ID 21) UPC 116172

Truck Climbing Lane Addition
Anticipated Costs: \$20m

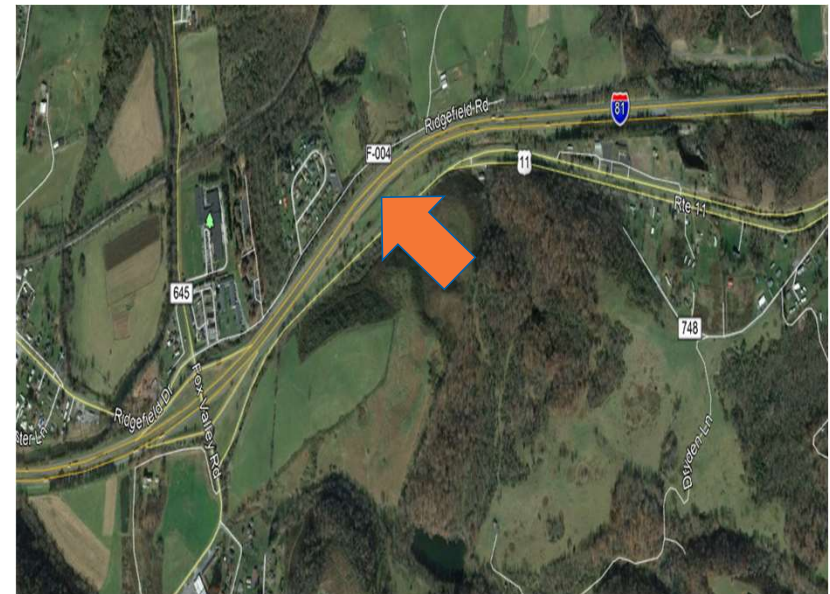


Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Summer 2023
End Construction:	Spring 2025

I-81 NB, MM 39.7 to 40.8 T.C.L. (ID 4) UPC 116157

Truck Climbing Lane Addition
Anticipated Costs: \$15m



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Summer 2022
End Construction:	Spring 2024

I-81 NB, Exit 39 Deceleration Lane(ID 5) UPC 116159

Extend Deceleration Lane Approx. 300'
Anticipated Costs: \$2m

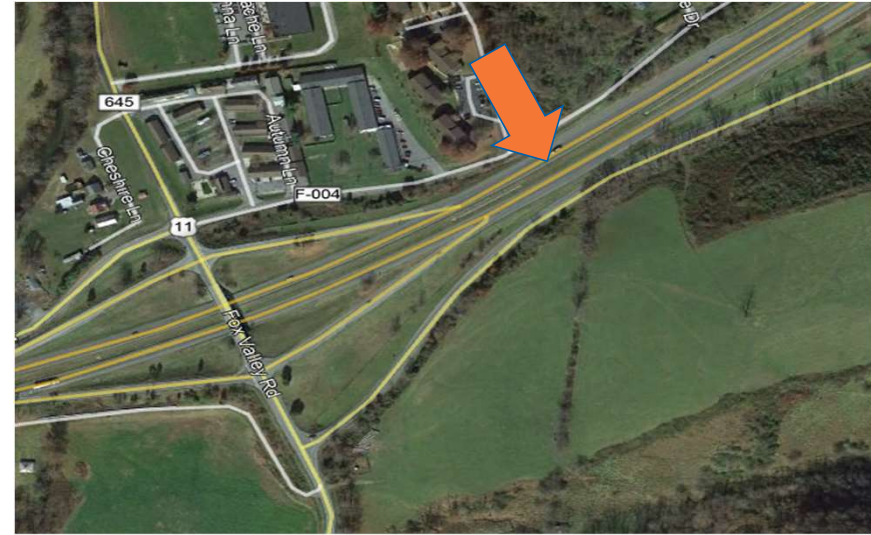


Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Late 2021
End Construction:	Summer 2022

I-81 SB, Exit 39 Deceleration Lane (ID 19) UPC 116174

Extend Deceleration Lane Approx. 200'
Anticipated Costs: \$2m



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Late 2021
End Construction:	Summer 2022

I-81 SB, Exit 44 Acceleration Lane (ID 17)

UPC 116167

Extend Acceleration Lane Approx. 900'
Anticipated Costs: \$3m



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Late 2021
End Construction:	Summer 2022

I-81 NB, Exit 47 Acc. / T.C.L. (ID 7) UPC 116161

Extend Accel. Lane / Truck Climbing Lane
Anticipated Costs: \$17m
This is a Design-Build Project managed by
the Mega-Projects group.



Anticipated Schedule

Begin Design:	Advertised RFP as Design-Build
Begin Construction:	Mid 2021
End Construction:	Mid 2022

I-81 SB, Exit 47 Acceleration Lane (ID 16)

UPC 116158

Extend Acceleration Lane Approx. 900'
Anticipated Costs: \$2m

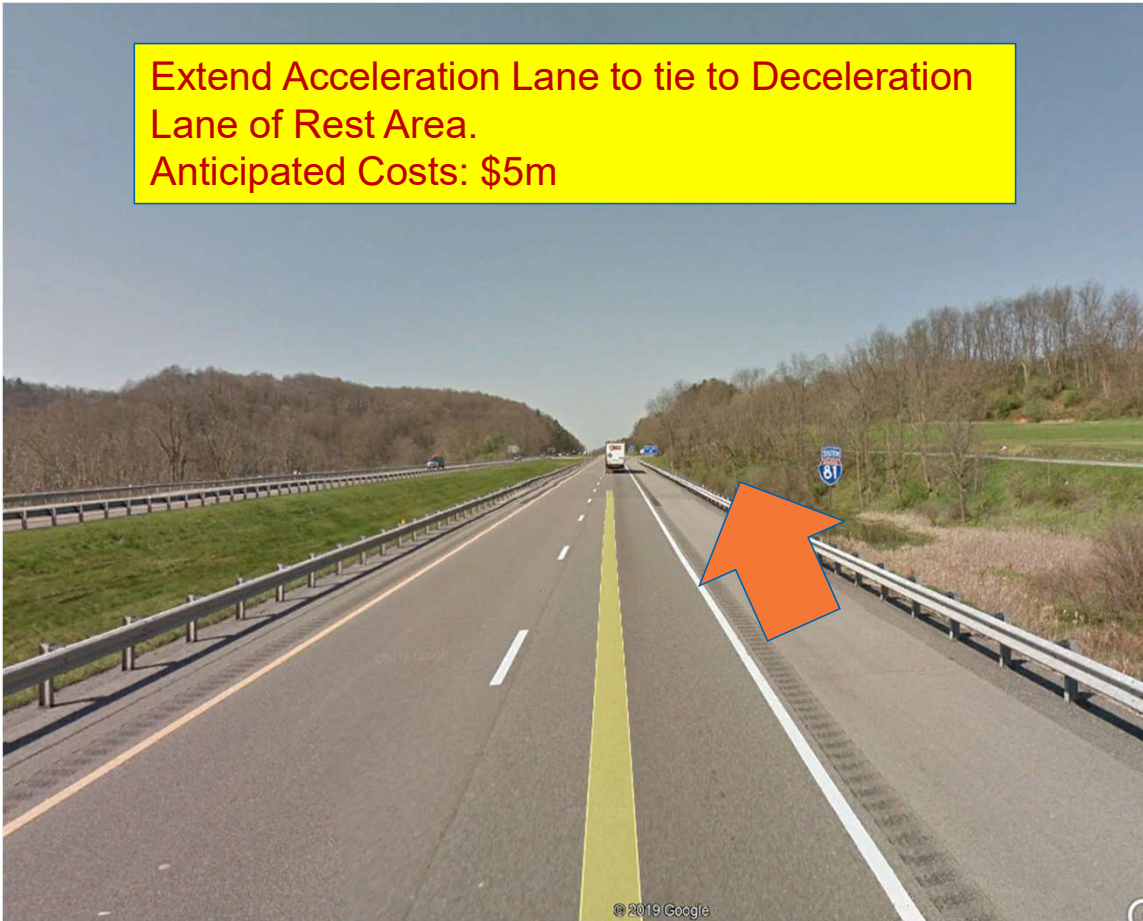


Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Late 2021
End Construction:	Summer 2022

I-81 SB, Exit 54 Tie Acc. Lane to Rest Area (ID 15) UPC 116169

Extend Acceleration Lane to tie to Deceleration Lane of Rest Area.
Anticipated Costs: \$5m



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Summer 2022
End Construction:	Spring 2023

I-81 NB, Exit 67 Deceleration Lane (ID 8) UPC 116162

Extend Deceleration Lane Approx. 300'
Anticipated Costs: \$2m



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Summer 2021
End Construction:	Early 2022

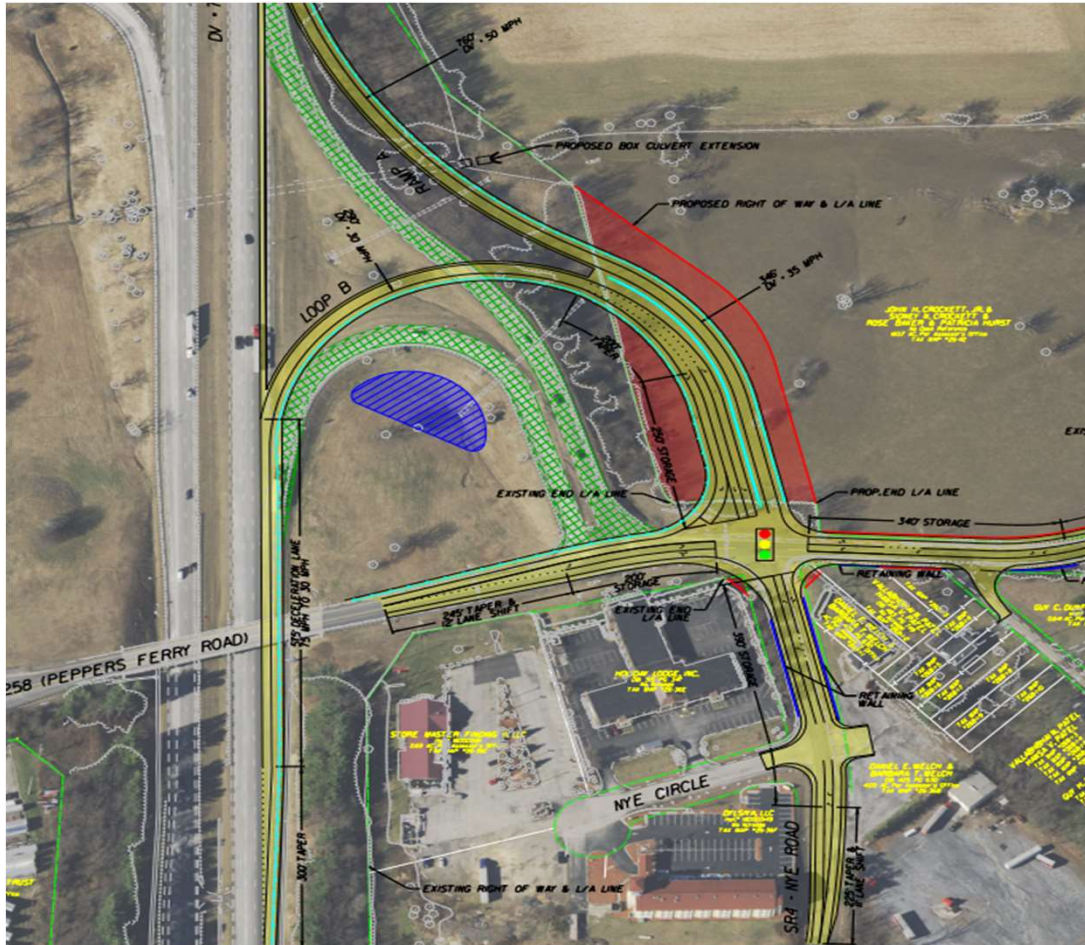
I-81 SB, Exit 84 Deceleration Lane (ID 12) UPC 116165



Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Early 2021
End Construction:	Late 2021

I-77 NB, Exit 41 Reconfigure Loop Off Ramp (ID 11) UPC 116164



Reconfigure NB Loop Ramp
Anticipated Costs: \$20m - \$25m

Anticipated Schedule

Begin Design:	Underway
Begin Construction:	Early 2024
End Construction:	Late 2025

Thank You!