No Boundaries Presentation

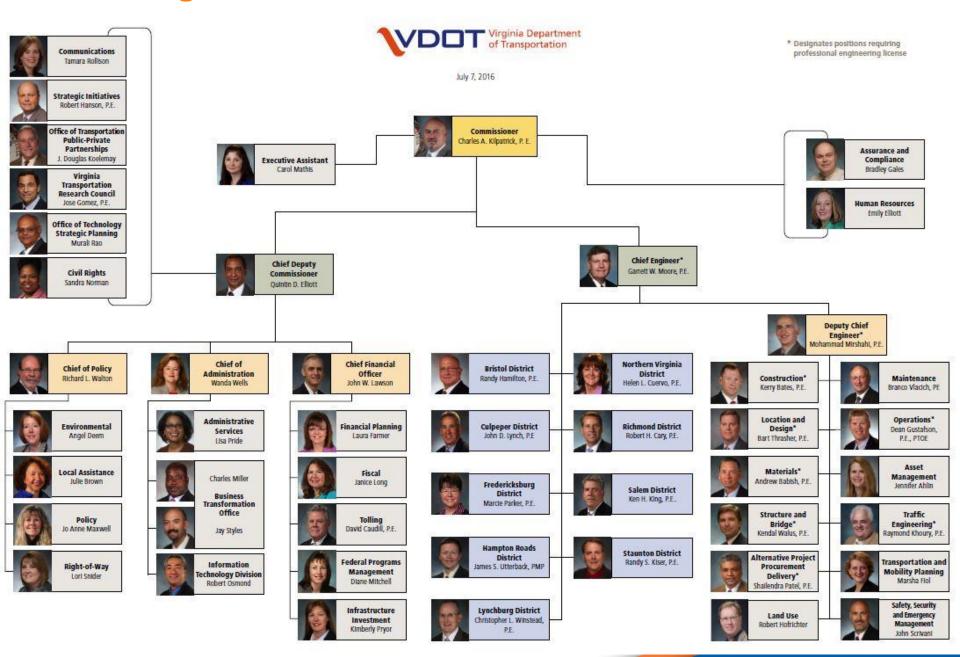


Maintenance Program October 25, 2016

Steven R. McNeely Assistant District Administrator – Maintenance (District Maintenance Engineer) Richmond District



VDOT Organization



District Organization



Richmond Administration

District Engineer Gen Admin Manager IV CARY, ROBERT H.

p:00025 s:402 o:14001 r:19226 b:8

	MEL	Vacant	Filled 851
Classified	882	31	851
E Wage	0	0	0
S Wage	27	5	22

Direct Reports: 13 Levels Below: 7

Email (804) 524-6390 1 01-DSM



CRO Administration Regional Ops Engineer Gen Admin Manager II ALEXANDER, ROBERT W.

p:21677 s:402 o:14019 r:19224 b:6

	MEL	Vacant	Filled
Classified	112	5	107
E Wage	0	0	0
Classified E Wage S Wage	1	0	1

Direct Reports: 7 Levels Below: 5 Email (804) 796-4533 | 04-RAD



Richmond Administration ADA Business Gen Admin Manager II ELLIS, LEZLIE H.

p:16003 s:402 o:14001 r:19224 b:6

	MEL	Vacant	Filled
Classified	27	0	27
E Wage	0	0	0
S Wage	2	0	2
Discot Des	ante: R	Laurela D	alaun 2

Email (804) 524-6004 03-ADM



Richmond Construction District Eng Const

Architect/Engineering Mgr II, PE MANN, ROBERT S.

p:18192 s:402 o:14017 r:39054 b:6

	MEL	Vacant	Filled
Classified	80	14	66
E Wage	0	0	0
E Wage S Wage	1	0	1

Direct Reports:11 Levels Below: 4 Email (804) 720-4229 1 04-CON



Richmond Maintenance

ADA Maintenance Prog Admin Manager III MCNEELY, STEVEN R.

p:04963 s:402 o:14045 r:19216 b:6

Ì	MEL	Vacant	Filled
Classified	122	-5	127
E Wage	0	0	0
S Wage	3	1	2

Direct Reports: 5 Levels Below: 6 Email (804) 524-6096 1 04-DMA



Richmond PrelimnryEngineering District Eng Proj Dev PIM

Architect/Engineering Mgr II, PE RIBLETT, MARK E.

p:18258 s:402 o:14079 r:39054 b:6

	MEL	Vacant	Filled
Classified E Wage S Wage	83	0	8
E Wage	0	0	
S Wage	7	3	

Email (804) 524-6151 04-PRE



Richmond Project Management

District Eng Mega Projects Architect/Engineering Mgr II, PE

p:13485 s:402 o:14083 r:39054 b:6

	MEL	Vacant	Filled
Classified	1.	1	0
E Wage	0	0	0
Classified E Wage S Wage	0	0	0
Disease Des	n	Lavala D	-1 O

Richmond Public Affairs Section Mgr Comm PR & Mktg Mgr II LEGRAND, LINDSAY M.

p:02930 s:402 o:14059 r:29097 b:5

3	MEL	Vacant	Filled
Classified	2	. 31	3
E Wage	0	0	0
Classified E Wage S Wage	0	0	0
Direct Rep	orts: 2	Levels B	elow: 1

South Hill Maintenance Residency Administrator Gen Admin Manager II SMITH JR, BILLY S.

n:00113 e:423 n:14003 r:19224 h:8

108	1	107
	700	101
0	0	. 0
6	1	5
	6	

Petersburg Maintenance Residency Administrator

Gen Admin Manager II SMITH, CRYSTAL L.

0-00119 a:425 a:14040 a:19224 b

	MEL	Vacant	Filled
Classified	78	7	71
E Wage	0	0	0
E Wage S Wage	0	0	0

Chesterfield Maintenance

Residency Administrator Gen Admin Manager II SIRRY, MARVIN A.

p:00114 s:428 o:14066 r:19224 h:8

	MEL	Vacant	Filled
Classified	126	8	118
E Wage	0	0	0
S Wage	2	0	2
S Wage Direct Rep	-	0 Levels B	elow:

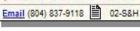
Ashland Residency

Resident Engineer Gen Admin Manager II MCNABB, BRUCE A.

p:00110 s:428 o:14005 r:19224 b:6

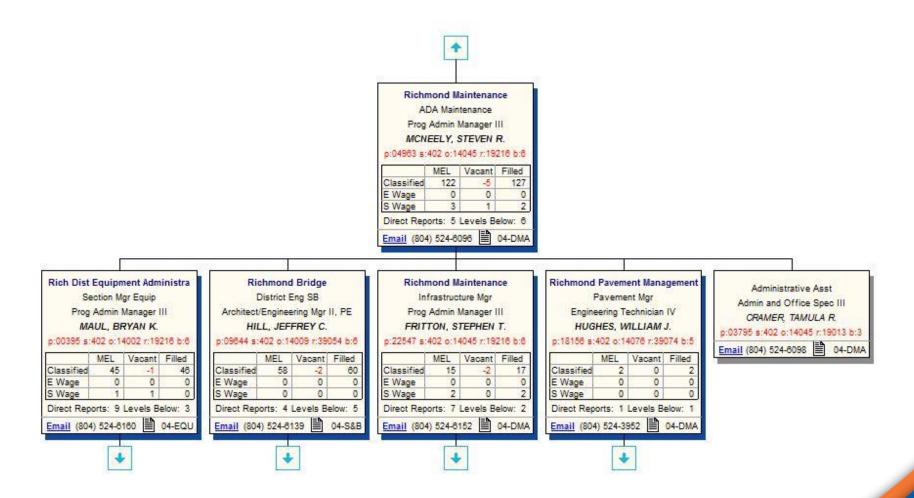
9	MEL	Vacant	
Classified	140	1	139
E Wage	0	0	0
S Wage	5	0	5
Direct Rep	orts: 6	Levels B	elow: 5

Safety Mor District Compliance/Safety Officer IV JOHNSON, MARCHEL H. p:17931 s:402 o:14001 r:69034 b:5

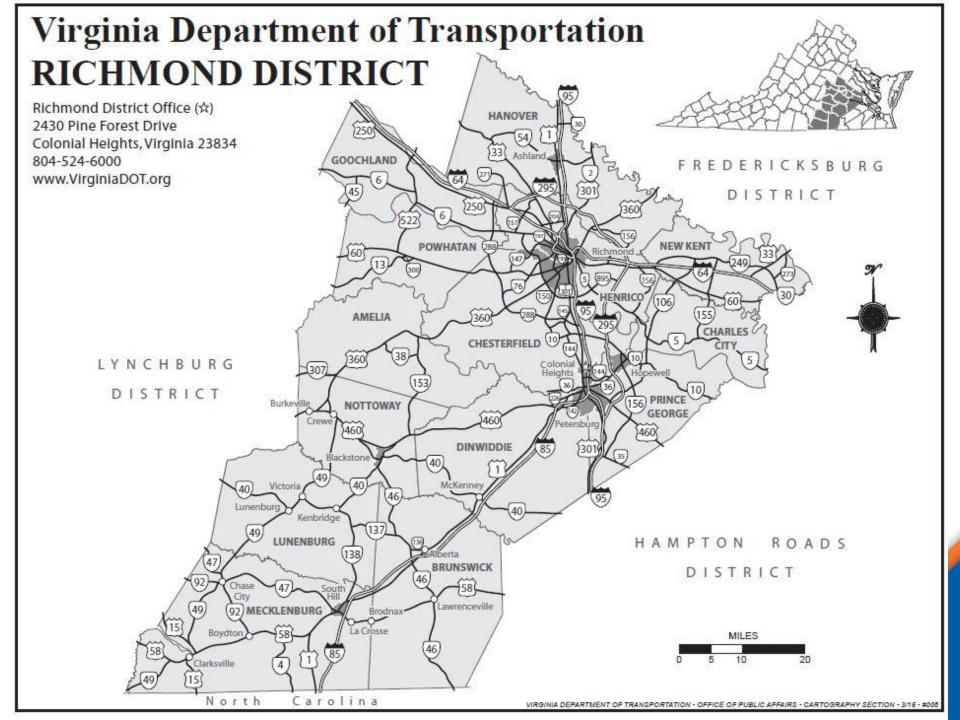




District Maintenance Organization







Responsibilities

- > 127 employees
- > Structures and Bridges
- > Pavements
- > Budgets
- Performance Reporting
- > SWMB
- Infrastructure Management
- > Equipment
- > Interstate Maintenance
- **Policy**



Maintenance Activities

- > Pavement Repairs and Reconstruction
- Bridge Repairs and Reconstruction
- > SWMB
- Roadside Vegetation Management
- > Ditching
- > Mowing
- Incident Management
- Snow Removal
- > Equipment
- > Claims
- Sidewalks, Trails, Sound Barriers, Fences
- Drainage and Slopes
- Lights, Signals, Guardrail, Signs
- > Pavement Marking
- > Projects



Fun Facts

- > VDOT Budget is \$5B each year
- > 7,725 VDOT Employees
- > 882 District Employees
- > 567 Maintenance Employees
- > 45 Equipment Employees
- > 5,100 Pieces of Equipment Valued at over \$80M
- > 4 Residencies
- > 27 AHQs
- > 14 Counties
- > 1.3 Million citizens in District (15% of State)
- > 7.7M miles traveled by district vehicles each year
- > Average 50 bridge hits each year
- > \$500K per year in tires



Statewide Program

Organizations and Categories	Cardinal Allocations				
□ Central Office	\$244,776,583				
⊟ Bristol	\$158,889,268				
□ Salem	\$204,855,147				
□ Lynchburg	\$136,139,405				
⊟ Richmond	\$236,594,507				
☐ Hampton Roads	\$178,130,481				
☐ Fredericksburg	\$110,302,253				
⊟ Culpeper	\$95,757,154				
☐ Staunton	\$148,833,995				
□ Northern Virginia	\$304,283,455				
Grand Totals	\$1,818,562,249				



District Budget 2017

⊞ Richmond	\$236,594,507
⊞ Cost Center	\$122,876,906
Project	\$113,717,601
Z i rojouc	\$1.10,111,0

\$236,594,507
\$122,876,906
\$16,627,142
\$17,026,330
\$9,780,576
\$67,172,582
\$12,270,277
\$113,717,601



Pavement Lane Miles

District	Interstate	Primary	Secondary	Frontage	Total	
Bristol	528	2,809	12,306	112	15,755	
Salem	493	2,668	14,731	105	17,997	
Lynchburg	0	2,805	12,397	43	15,245	
Richmond	1,323	3,439	13,932	75	18,769	
Hampton Roads	874	1,770	7,122	92	9,858	
Fredericksburg	281	2,190	9,279	24	11,774	
Culpeper	279	1,852	8,282	52	10,465	
Staunton	940	2,482	10,473	75	13,970	
Nova	Nova 725		10,878	78	13,413	
Statewide	5,443	21,747	99,400	656	127,246	



Structure Inventory

Table 1 - Total Number of Bridges and Large Culverts

DISTRICT	Number of Structures (Bridges and Large Culverts)						
DISTRICT	Interstate	Primary	Secondary	Urban	Total		
Bristol	216	954	2,033	208	3,411		
Salem	218	809	1,945	102	3,074		
Lynchburg	0	661	1,395	58	2,114		
Richmond	521	782	1,120	1,120 161			
Hampton Roads	455	450	498 282		1,685		
Fredericksburg	82	254	476	7	819		
Culpeper	121	499	1,054	22	1,696		
Staunton	429	828	2,137	108	3,502		
NOVA	379	546	1,228	46	2,199		
Grand Total	2,421	5,783	11,886	994	21,084		



SOGR



SGR Project Estimates and Allocations

District	Maintenance Label	Project ID	Description	Total Estimate	Fund Source	Previous Allocation	FY2018	FY2019	FY2020	FY2021	Total Allocation
Bristol	UPC-Bridge(SGR)				\$13,956,100	\$5,777,045	\$5,733,051	\$3,734,033	\$23,188,013	\$52,388,242
						\$3,955,034	\$1,895,593	\$0	\$0	\$0	\$5,850,627
Culpeper	UPC-Bridge(S	SGR)				\$4,344,622	\$1,782,317	\$0	\$0	\$5,531,561	\$11,658,500
	UPC-Paveme	ent(SGR)				\$2,413,679	\$1,156,843	\$0	\$0	\$0	\$3,570,522
Fredericksburg		SGR)				\$23,669,201	\$7,176,336	\$7,121,686	\$4,638,475	\$17,630,083	\$60,235,781
		ent(SGR)				\$3,500,174	\$1,677,585	\$0	\$0	\$0	\$5,177,759
Hampton	UPC-Bridge(SGR)				\$19,650,509	\$4,390,647	\$8,659,397	\$25,533,602	\$19,450,113	\$77,684,268
Roads					\$1,665,778	\$798,384	\$0	\$0	\$0	\$2,464,162	
Lynchburg	UPC-Bridge(SGR)				\$12,926,405	\$5,012,880	\$8,037,819	\$8,909,810	\$4,751,251	\$39,638,165
		ent(SGR)				\$3,549,128	\$1,701,048	\$0	\$0	\$0	\$5,250,176
Northern Virginia	UPC-Bridge(SGR)				\$10,368,621	\$4,969,536	\$4,931,691	\$2,075,041	\$0	\$22,344,889
	UPC-Paveme	ent(SGR)				\$4,589,389	\$2,199,631	\$0	\$0	\$0	\$6,789,020
Richmond	UPC-Bridge(SGR)				\$23,229,250	\$8,994,120	\$8,681,393	\$2,623,349	\$0	\$43,528,112
		ent(SGR)				\$7,020,066	\$3,364,620	\$0	\$0	\$0	\$10,384,686
Salem	□ UPC-Bridge(SGR)					\$30,082,840	\$6,244,344	\$6,196,791	\$4,036,076	\$24,238,513	\$70,798,564
	UPC-Paveme	ent(SGR)				\$4,083,537	\$1,957,182	\$0	\$0	\$0	\$6,040,719
Staunton	□ UPC-Bridge(SGR)					\$17,055,803	\$5,503,590	\$7,282,475	\$6,358,617	\$20,672,692	\$56,873,177
	UPC-Paveme	ent(SGR)				\$1,644,021	\$787,957	\$0	\$0	\$0	\$2,431,978

Total = \$483,109,347



SOGR Test

PAVEMENT

Raises critical condition index (CCI) above 60

Meets definition of pavement rehabilitation and reconstruction in Federal Highway Administration's memo dated 9/12/2005

BRIDGE

Removed from structurally deficient status

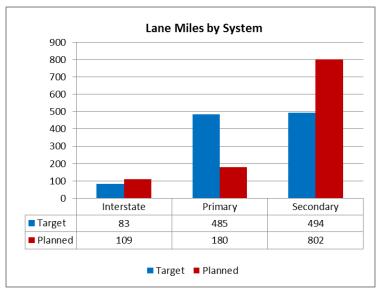
Meets definition of bridge rehabilitation and replacement in Federal Highway Administration's Bridge Preservation Guide dated August 2011

Adds or restores strength

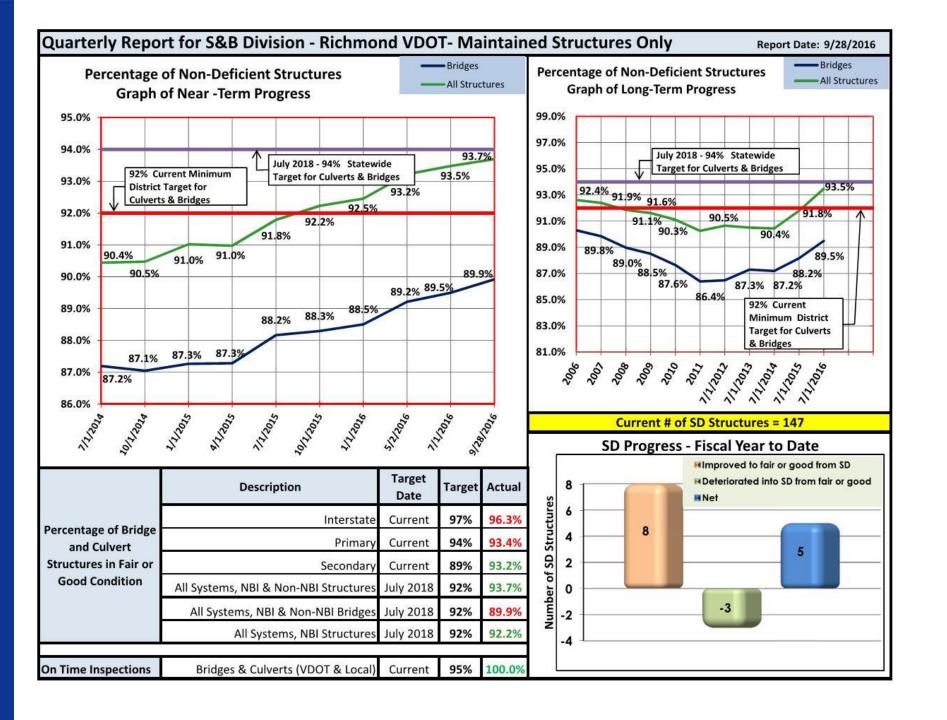


Quarterly Pavement Report for CY17 Paving Richmond District: Oct 2016

- Advertising target for paving was \$82M
- As of Sept 30th, the district plans to pave 1091 lane miles in CY17
- Based on planned paving, the district is predicted to meet performance targets on the Interstate System and not meet targets on Primary and Secondary in CY18
- Currently the district has 10 lane miles with CCI < 30 on the interstate system. Work is planned on all of those lane miles.







Winter Operations

\$13.2M budgeted
3,500 Pieces of equipment VDOT and Contractors
Expended 2 times budget last year



Recent Strides

Bridges

Staffing

- New Design Team
- Bridge Crew

System Improvements

Pavements

Focus on Repair Types

Additional Funding (SOGR)

System Improvements

New Shop

Opened new South Hill Shop



Challenges

Bridges

Pavements

Qualified Bridge and Construction Inspections Teams

Winter Operations

Equipment Utilization

Safety



No Boundaries Help

New materials which may be better, less expensive or perform better

Equipment utilization

New equipment types or attachments

Safety



Questions



