



VDOT/VTCA District Dialogue

Hampton Roads District

Christopher G. Hall, P.E., District Engineer

November 30, 2022

Agenda

Opening Remarks and Overview

Christopher G. Hall, PE

Safety

Rodney Higgs

Maintenance & Operations Overview

Allison Richter, PMP

Maintenance

Allison Richter, PMP

Special Structures

Shannon Ternes, PE

Operations

Kenneth Reynard

Development & Delivery Overview

Michael Davis, PE, CCM

Preliminary Engineering

Bruce Duvall, PE

Construction

John Jacobs, PE, PMP

Major Projects

Rick Correa, PE

Closing Remarks

Christopher G. Hall, PE

OPENING REMARKS AND OVERVIEW

Christopher G. Hall, P.E. District Engineer

District Leadership

CHRISTOPHER G. HALL, PE
DISTRICT ENGINEER

CARLA WILLIAMS
ADA BUSINESS

ALLISON RICHTER, PMP
DEPUTY DISTRICT ADMINISTRATOR

MIKE DAVIS, PE, CCM
DEPUTY DISTRICT ENGINEER

**BRITTANY MCBRIDE
NICHOLS**
ACTING COMMUNICATIONS MANAGER

KEN REYNARD
DISTRICT OPERATIONS DIRECTOR

TODD HALACY, PE
ADA PLANNING AND INVESTMENT

BILL COLLIER
ADA MAINTENANCE

BRUCE DUVALL, PE
ADA ENGINEERING

CHRIS ISDELL
ACCOMAC RESIDENCY ADMINISTRATOR

JOHN JACOBS, PE, PMP
ADA CONSTRUCTION

PAUL MATTICKS
FRANKLIN RESIDENCY ADMINISTRATOR

RICK CORREA, PE
DIRECTOR MAJOR PROJECTS

ROSSIE CARROLL
WILLIAMSBURRG RESIDENCY
ADMINISTRATOR

SHANNON TERNES, PE
SPECIAL STRUCTURES ENGINEER

Six-Year Improvement Plan Statewide Comparison*

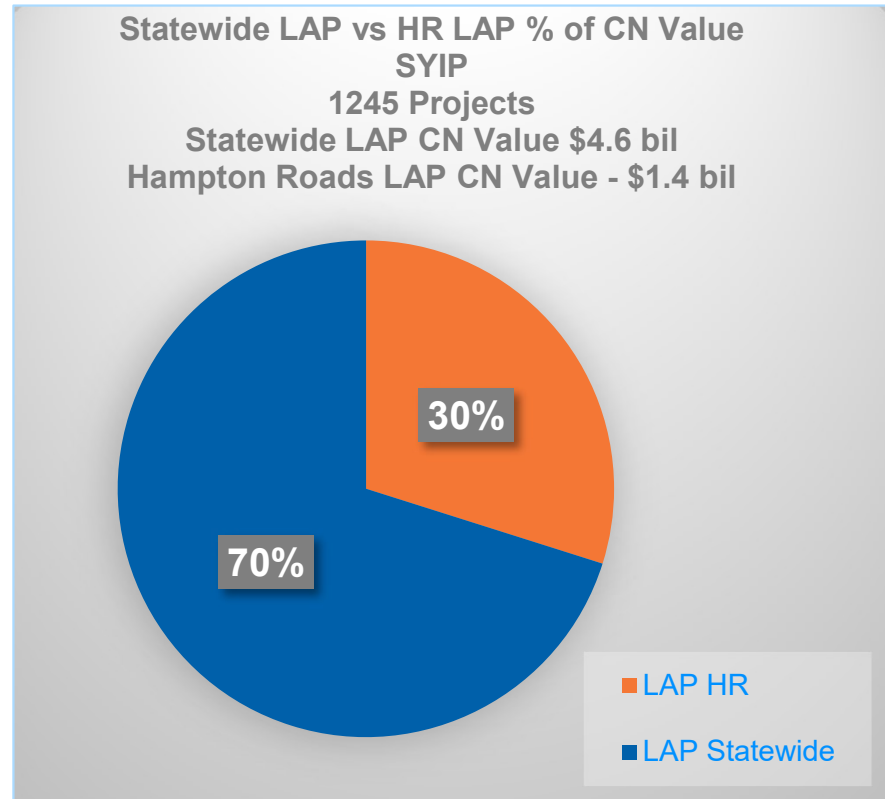
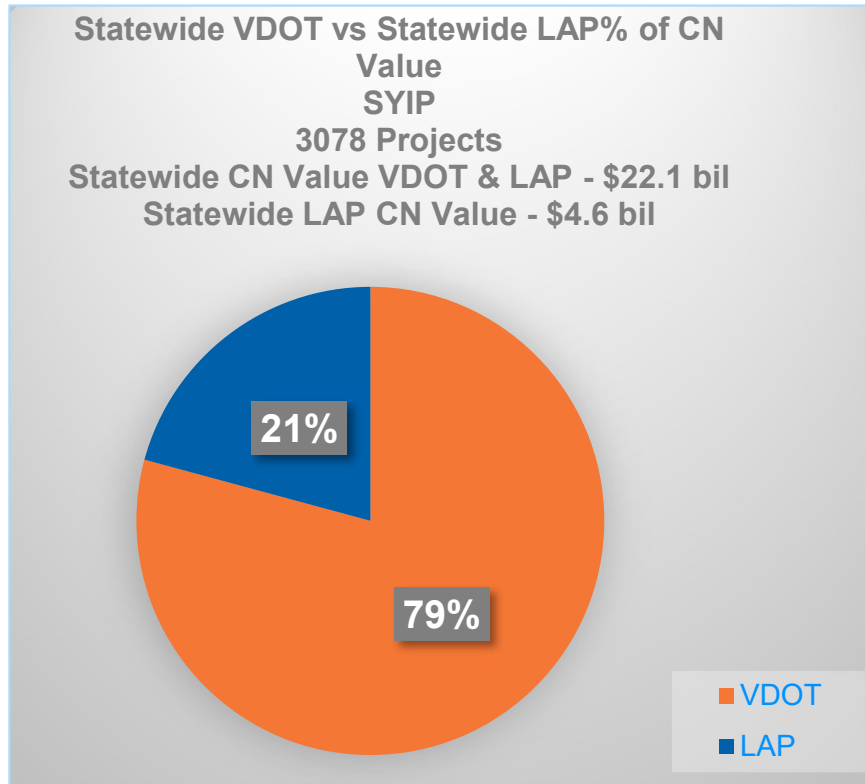
District	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	SubTotal	Percent	Other Funds FY22-FY27	Total	Percent
Bristol	\$ 248,712	\$ 121,978	\$ 240,287	\$ 108,162	\$ 93,230	\$ 151,694	\$ 964,062	6.8%	\$ -	\$ 964,062	5.3%
Culpeper	\$ 91,744	\$ 91,812	\$ 69,525	\$ 64,080	\$ 98,964	\$ 66,810	\$ 482,935	3.4%	\$ -	\$ 482,935	2.6%
Fredericksburg	\$ 137,126	\$ 148,330	\$ 112,971	\$ 101,171	\$ 103,721	\$ 94,896	\$ 698,215	4.9%	\$ 286,320	\$ 984,535	5.4%
Hampton Roads	\$ 308,484	\$ 321,086	\$ 444,578	\$ 335,887	\$ 230,648	\$ 220,195	\$ 1,860,879	13.2%	\$ 2,879,202	\$ 4,740,081	26.0%
Lynchburg	\$ 91,889	\$ 89,863	\$ 64,856	\$ 64,842	\$ 84,350	\$ 78,216	\$ 474,016	3.4%	\$ -	\$ 474,016	2.6%
Northern Virginia	\$ 348,913	\$ 391,816	\$ 284,063	\$ 260,682	\$ 247,416	\$ 176,020	\$ 1,708,910	12.1%	\$ 921,721	\$ 2,630,632	14.4%
Richmond	\$ 233,580	\$ 222,680	\$ 161,658	\$ 178,820	\$ 209,357	\$ 167,634	\$ 1,173,729	8.3%	\$ 4,904	\$ 1,178,633	6.5%
Salem	\$ 414,569	\$ 117,451	\$ 186,437	\$ 112,122	\$ 139,109	\$ 321,253	\$ 1,290,941	9.1%	\$ -	\$ 1,290,941	7.1%
Staunton	\$ 151,366	\$ 140,977	\$ 326,123	\$ 159,552	\$ 157,685	\$ 245,164	\$ 1,180,868	8.4%	\$ -	\$ 1,180,868	6.5%
Multi-District	\$ 623,029	\$ 557,177	\$ 558,016	\$ 777,512	\$ 780,744	\$ 1,008,928	\$ 4,305,406	30.4%	\$ -	\$ 4,305,406	23.6%
Total	\$ 2,649,410	\$ 2,203,170	\$ 2,448,513	\$ 2,162,831	\$ 2,145,226	\$ 2,530,810	\$14,139,960	100.0%	\$ 4,092,147	\$18,232,108	100.0%

CTB SYIP Report Notes:

- Projects with previous funds only are not included in this CTB SYIP Report (only exception are Smart Scale Projects)
- HRTAC contributions (previous thru FY2027 allocations total \$4.4B)

*in thousands

Locally Administered Program – CN Value



Includes projects with the following status – No Dates Set Yet, No Dates Set Yet –PE Open, Activity Dates Set Yet, Advertised, Awarded, CN Started

What We Have Accomplished



Project	Construction Completed	Total Project Cost (PE/RW/CN)
I-64 Peninsula Widening Segment I	December 2017	\$111,608,384.00
I-64 Peninsula Widening Segment II	May 2019	\$159,559,703.00
I-64 Peninsula Widening Segment III	December 2021	\$207,799,298.00



Project	Construction Completed	Total Project Cost (PE/RW/CN)
264/64 Interchange Phase 1 - Ramp D7	October 2019	\$152,121,916.00
264/64 Interchange Phase 2 - Witchduck	November 2022	\$211,547,134.00

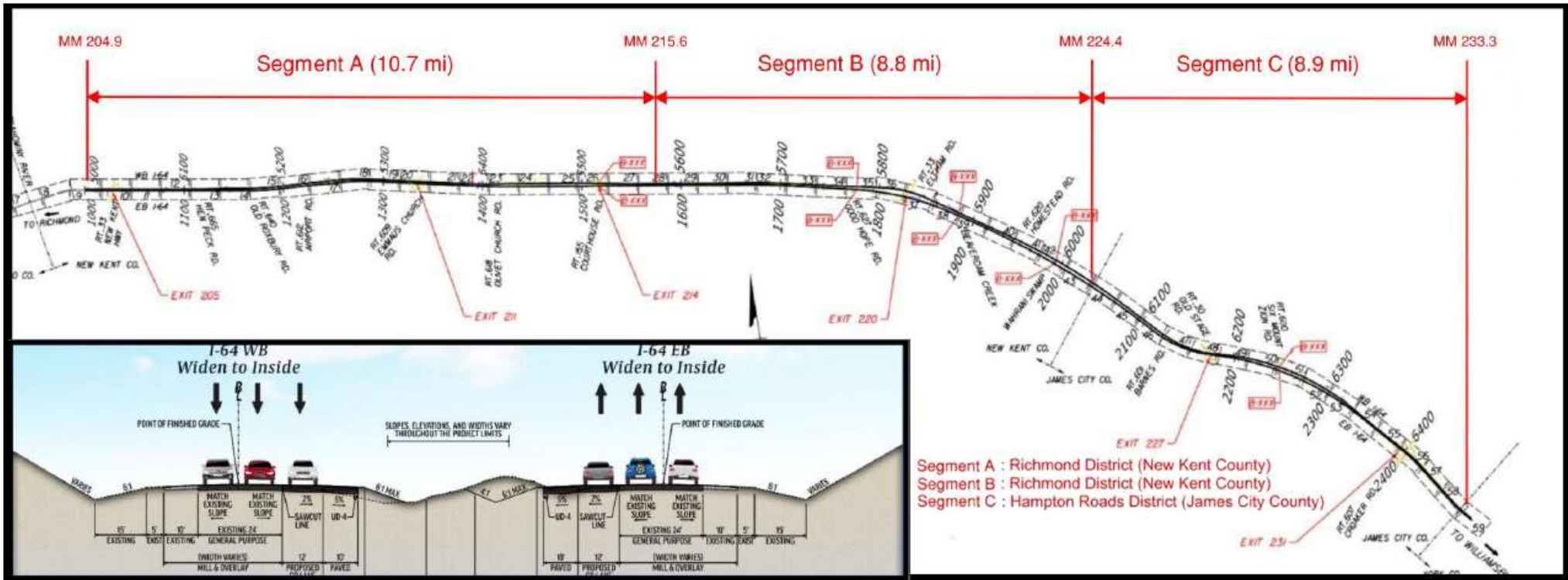
Total: \$843M

What is Coming

	Location	Status	Project Cost (\$M)
Air Terminal Interchange	Norfolk	Design	\$60
I-64 Widening (GAP)	James City Co.	Design	\$750
I-64 / I-264 Interchange Phase IIIA	Norfolk	Planning	\$510
Bowers Hill Interchange	Chesapeake	Study (NPEPA)	\$771
I-664 Southside Widening	Portsmouth / Suffolk	Study (NPEPA)	\$1,529
I-64 / I-464 Interchange	Chesapeake	Study (IAR)	\$339
I-264 / Independence Interchange	Virginia Beach	Study (IAR)	\$876
I-64 / Denbigh Blvd Interchange	Newport News	Study (IAR)	\$219

Total Cost \$5,054

I-64 GAP Project



Scope

- Widen 29 miles of I-64
 - ✓ Add one 12-ft General Purpose Lane
 - ✓ 10-ft wide Paved Shoulder
 - ✓ Widening to the median EB & WB (MM 205 – MM 234)

Schedule

- RFQ Late 2022 → RFP Spring 2023

Budget

- Total Cost: Approximately \$750M

Who We Are

Serving Hampton Roads With Excellence



Establish Partnerships and Collaborations

Logos of partner organizations: HAMPSON ROADS TPO, HRTAC, Virginia State Police, DEQ, VTCA, US Army Corps of Engineers, and various local government seals.

Be Customer Focused and Transparent

Hampton Roads Traffic Operations Center, VDOT 511, Safety Service Patrol, Jamestown-Scotland Ferry, Project Information Websites, Winter Storm Response, Major Project Newsletters.

Leverage New Technologies and Ideas

Eliminate "Stovepipes" | Simplify Processes

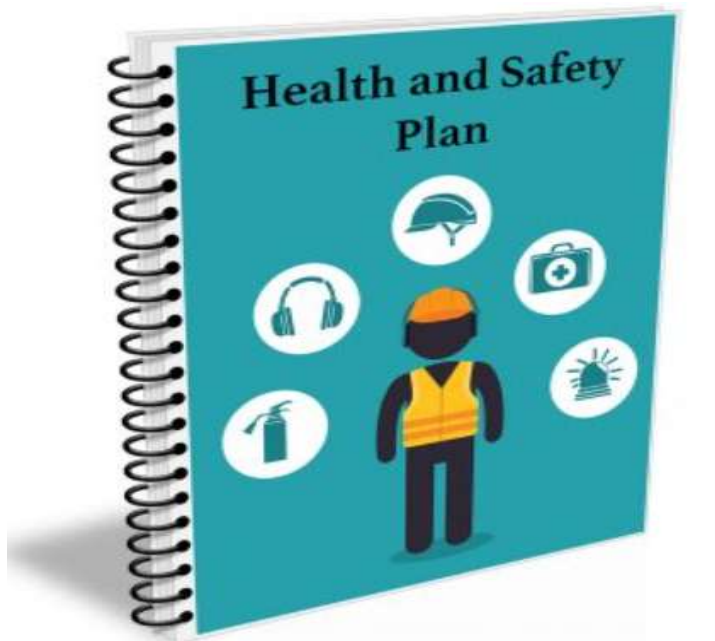
ROAD RECYCLING: Photos of road recycling equipment and highway construction.

Safety Inspection Process

SAFETY

Rodney Higgs, District Safety Manager

Health & Safety Plan



- **Site Specific H&SP**
- **Job Hazard Analysis (JHAs)**

Maintenance of Traffic (MOT)

- **Appropriate signage**
- **Signs and stands left on the ROW when not applicable**
- **Flagger certification/proper attire**
- **Maintenance**



Construction Activities



Construction Activities



Construction Activities



Construction Activities



Construction Activities



Construction Activities



What Happens When Safety Performance Fails?

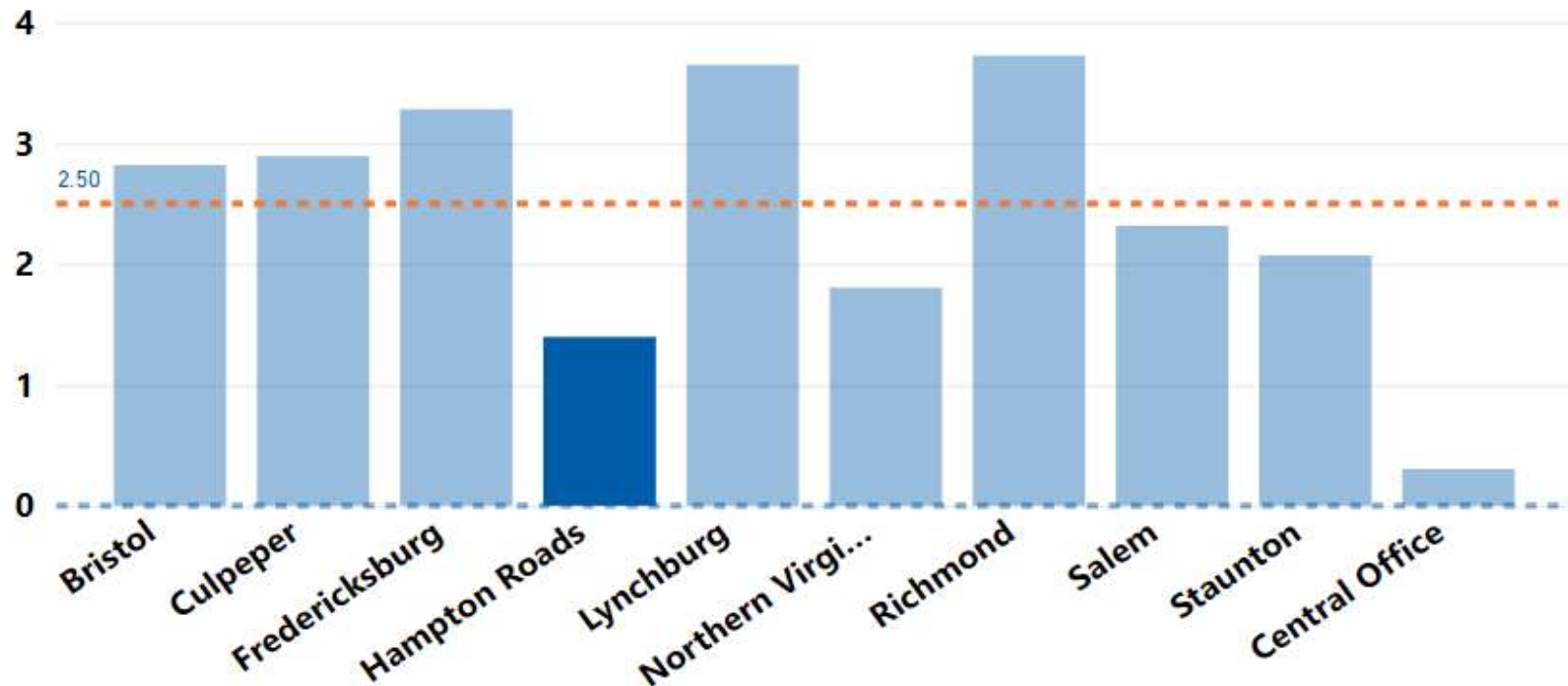
- **Stop Work**
- **Investigation**
- **Mitigation**
- **VDOT and the Contractor should strive to resolve all issues at the lowest level possible in the field before escalating any issues to a higher level of authority**

Partnering Sessions

*“Partnering between the VDOT and contractor is a commitment to effectively and efficiently manage and complete each construction project to the mutual and individual benefits and goals of all parties, and complete the construction in the most cost effective ways, while preserving the **highest standards of Safety** and Quality called for by the contract documents combined with the primary goal of On-time/ On-budget completion.”*

Safety Performance Metrics

OSHA Recordable Rate by District



- 12-month rolling average through September 2022.
- Total of 1.58 million man-hours = **Highest mn-hr** of all Districts.
- District OSHA Rate is 1.39 → **Lowest rate** of all Districts.
- Statewide average is 2.23 with a State Target of 2.50.

Safety Performance Metrics

Construction Staff Safety

- 129,911.4 man-hours from January through September.
- 1 lost-time injury from a State vehicle crash.
 - Vehicle was T-Boned by car running a Stop Sign.
 - Minor Injuries. Staff member lost two work-days.

Project Inspection Results

- Minor Deficiencies in: MOT, PPE, Flagging Operations, and Table 1 Compliance.
- VOSH Inspections: No Citations.

MAINTENANCE & OPERATIONS PROGRAM OVERVIEW

Allison Richter, Deputy District Administrator

Maintenance & Operations Team

Name	Email	Phone #
Allison Richter, PMP Deputy District Administrator	Allison.Richter@VDOT.virginia.gov	757-956-3248
William Collier District Maintenance Manager	W.Collier@VDOT.virginia.gov	757-956-3006
Kenneth Reynard District Traffic Operations Director	Kenneth.Reynard@VDOT.virginia.gov	757-956-3014
Matt Simeone Interstate Maintenance Office Manager	Matthew.Simeone@VDOT.virginia.gov	757-754-3744
Christopher "Rossie" Carroll Williamsburg Residency Administrator	C.Carroll@VDOT.virginia.gov	757-253-5140
Chris Isdell Accomack Residency Administrator	Christopher.Isdell@VDOT.virginia.gov	757-787-5858
Paul Matticks Franklin Residency Administrator	Paul.Matticks@VDOT.virginia.gov	757-328-1201
Rodney Higgs District Safety Manager	Rodney.Higgs@VDOT.virginia.gov	757-956-3176
(Vacant) District Safety Manager		

Areas of Responsibility

Hampton Roads District

- 9 counties, 12 cities, 2 islands
- Approximately 1,200 employees, consultants and contractors
- Approximately 10,000 Total Lane Miles

Tunnels/Facilities

- I-64 Hampton Roads Bridge-Tunnel
- I-664 Monitor-Merrimac Memorial Bridge-Tunnel
- Jamestown-Scotland Ferry
- Transportation Operations Center
- Elizabeth River Tunnels (ERC operated)

Major Bridges

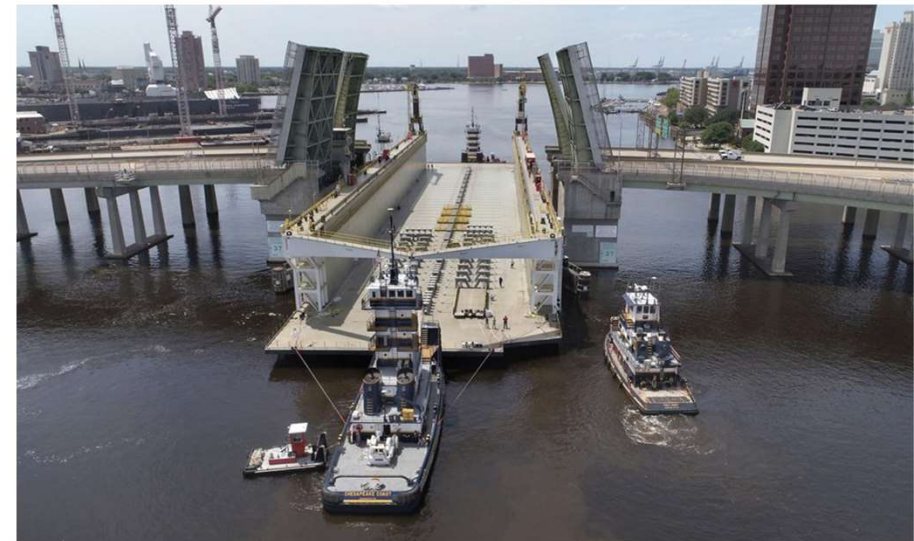
- James River Bridge
- High Rise Bridge
- Berkley Bridge
- Coleman Bridge
- Chincoteague Bridge

Residencies

- Accomac
- Franklin
- Williamsburg

Interstate Management Office

- Interstate Contracts
- Urban Construction



Maintenance

Pavement

- Long term pavement plan that ensures targets will be met
- Localities taking advantage of SGR funds to pave

Bridges

- Current and future IIJA funded projects
- Maintenance of bridges in the HREL footprint
- Bridge Maintenance Crews/Contracts

Special Structures

- Largest number of Special Structures in the state
- Implement the statewide, systematic long term plan

Operations

Major Activities

- Hampton Roads Express Lane Network (HREL)
 - Working toward our first Toll Day One in 2023
- HRBT Expansion Project coordination
- Incident Management/Response & Clearance Times
- Jamestown-Scotland Ferry (JSF)
 - Williamsburg Ferry in the shipyard, followed by Pocahontas
 - Regularly pursuing federal grants
- Arterial Systems Management
- Cybersecurity Mitigation
- HREL Traffic Management Plan (TMP)
- Safety Service Patrol (SSP) Staffing Need Increase

Upcoming Contract Opportunities

- Professional Services Staff Augmentation RFP is out
 - Design Services
 - Project Management
 - CEI
 - Specialized Skills
- Paving Schedules
- Bridge Opportunities--Infrastructure Bill, SGR, routine & preventive maintenance
- Operations Asset Installation and Maintenance Services
- Traffic Signal Design and Installation Services
- Industrial Systems Life Cycle Maintenance & Replacement
- Marine Vessel Services
- Special Structures

MAINTENANCE

Allison Richter

Maintenance Team

Name	Email	Phone #
William Collier District Maintenance Manager	W.Collier@VDOT.virginia.gov	757-956-3006
Kim Cook District Infrastructure Manager	Kim.Cook@VDOT.virginia.gov	757-956-3170
Michael Franceshini District Pavement Manager	Michael.Franceshini@VDOT.virginia.gov	757-956-3171
Mohamed Ali, PE District Structure and Bridge Engineer	Mohamed.ali@VDOT.virginia.gov	757-956-3206

PAVEMENT

Allison Richter

2023 Pavement Projects

Asphalt Pavements

Upcoming 2023 Paving Contracts (Budget Amount ~ \$40.0M)

- **8 Plant Mix Contracts - 232 lane miles; \$30.4M**
 - Accomac – 1 schedules; 13.6 lane miles; \$2.1M
 - Franklin – 3 schedules; 100.7 lane miles; \$13.2M
 - Williamsburg – 2 schedules; 65.0 lane miles; \$6.6M
 - IMO – 2 schedules – 52.4 lane miles; \$8.4M
- **2 Latex/Slurry Seal Contracts – 95 lane miles; \$5.5M**
 - Franklin – 1 schedule; 59.6 lane miles; \$3.1M
 - Williamsburg – 1 schedules; 35.2 lane miles; \$2.4M
- **1 Surface Treatment Contract**
 - Accomac – 119.3 lane miles; \$1.4M

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2023 Pavement Projects

Concrete Pavements

Upcoming 2023 Repair Contracts

- I-464 NB/SB & I-564 NB/SB
 - 35.4 lanes miles
 - 14,500 SY concrete repair
 - \$9.6M

Full Depth Reclamation

- Franklin & Williamsburg Residencies
 - 9.98 lane miles
 - 76,000 SY FDR
 - 10,500 tons
 - \$2.8M

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Paving Quantities

	2019		2020		2021		2022		2023	
	Quantity	Lane Miles	Quantity	Lane Miles	Quantity	Lane Miles	Quantity	Lane Miles	Quantity	Lane Miles
Asphalt(TN)	138,329	166	77,162	77	239,797	285	215,723	294	226,532	232
(SM-4.75 mm)	(1,192)	(8)	0	0	0	0	(3,259)	(3,259)	(5,100)	(10)
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Latex (Tons)	0	0	1,245	15	5,974	63	8,328	103	9,051	95
Slurry Seal (SY)	0	0	256,335	55	0	0	319,667	53	166,974	22
Surface Treatment (SY)	1,152,659	210	0	0	524,794	95	486,218	100	572,521	119
Concrete Repair (SY)	1,718	12	11,150	9	20,613	23	9,746	34	14,500	35
Totals		388		156		466		583		503
Interstate	1,441	25	8,654	14	30,526	64	50,513	90	77,621	95
Primary > 3500 AADT	95,723	79	52,875	61	138,691	182	125,906	161	9,990	123
Primary < 3500 AADT					27,308	59	12,022	100	89,339	49
Secondary > 3500 AADT	41,162	284	15,634	80	17,519	29	21,734	29	28,892	35
Secondary < 3500 AADT					25,753	131	31,052	363	19,996	181
Estimate*	\$30.9 Million		\$18.4 Million		\$44.91 Million		\$42.9 Million		\$51.2 Million	

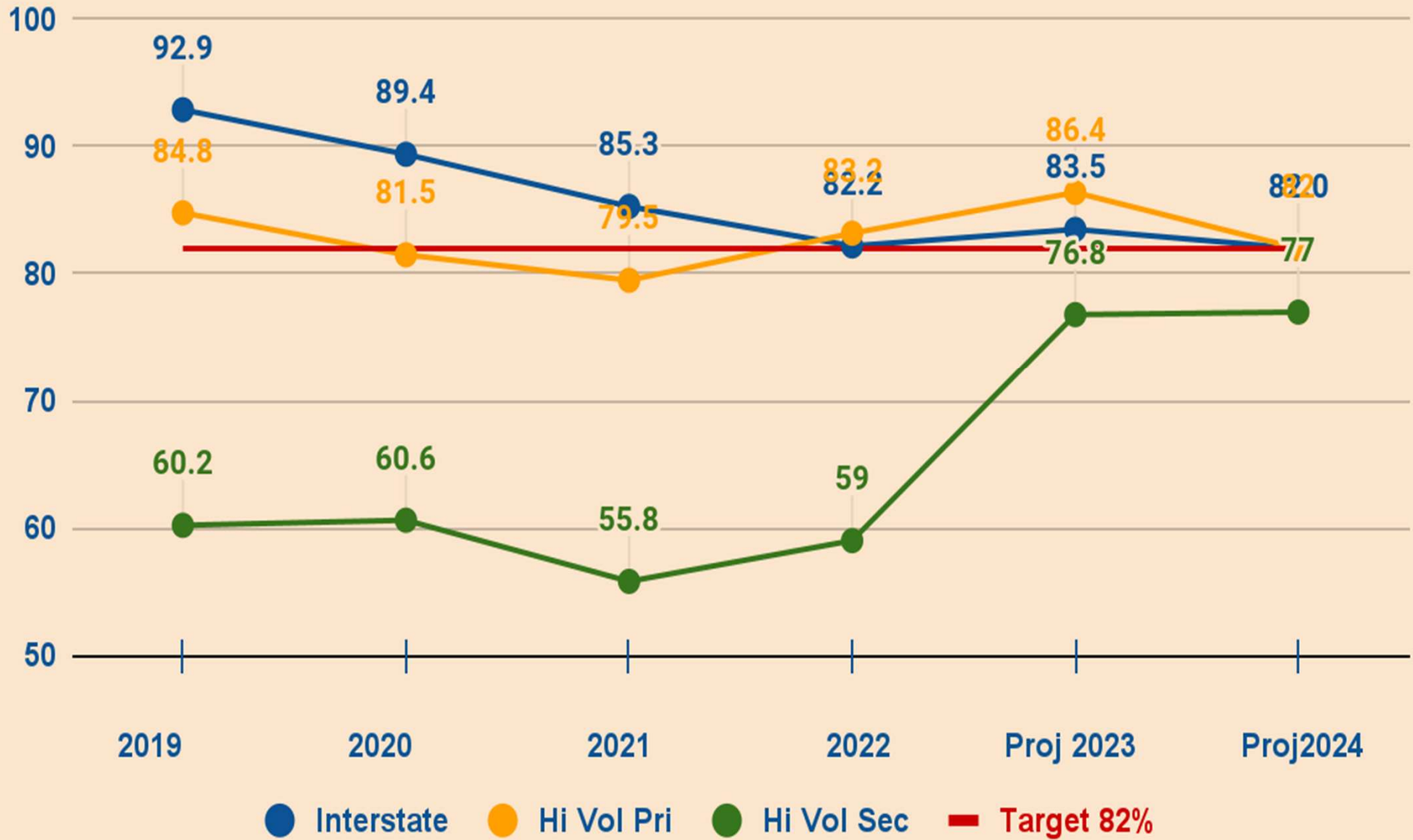
* Includes contract estimate/award, CEI, contingencies, requirements

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Pavement Condition Performance (High Volume)

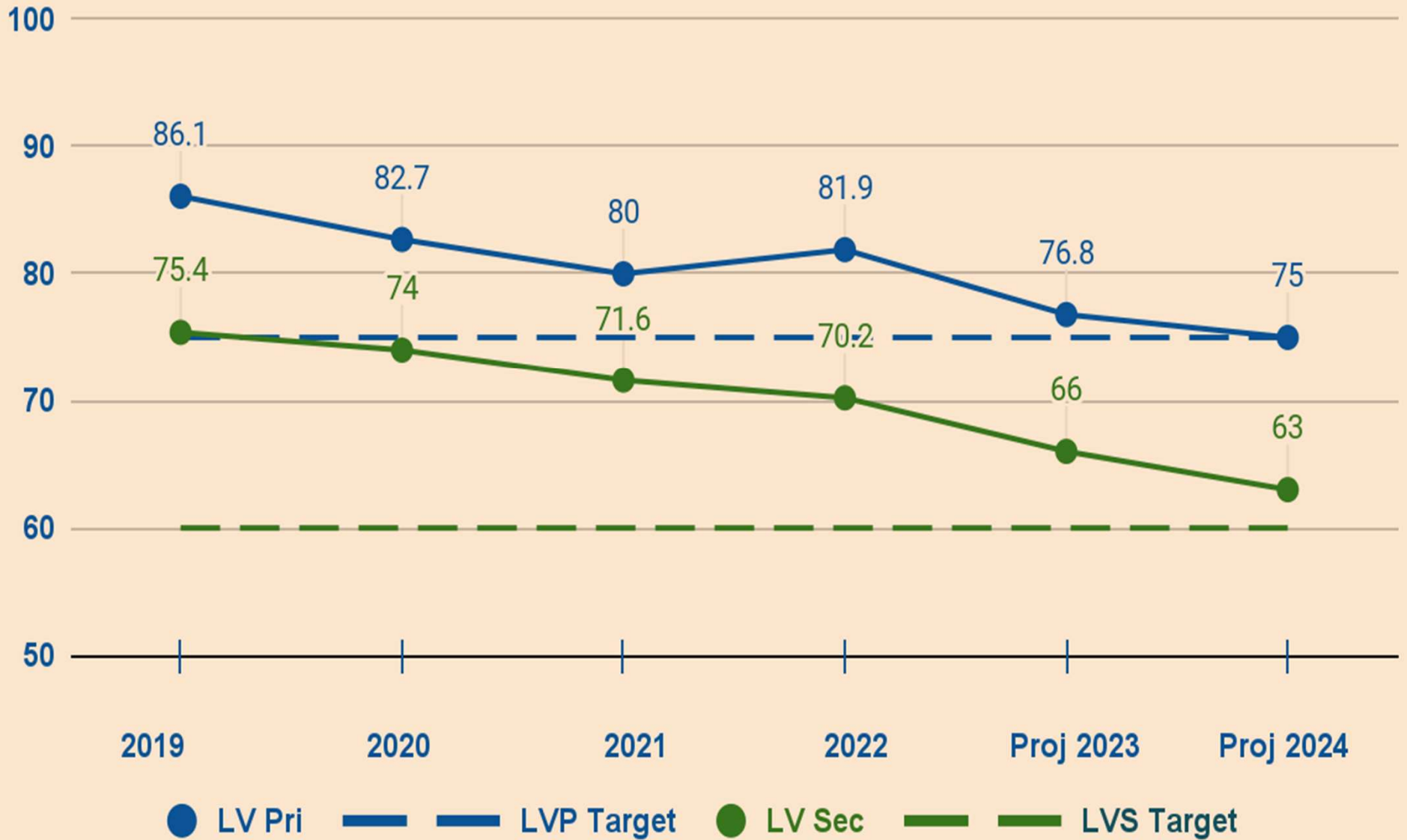


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Pavement Condition Performance (Low Volume)



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2022 Rideability Testing

Incentives/Disincentives Applied to 80 Paving Sections (14 Nov 2022)

Total potential incentives

- \$1,925,954 from total contract value of \$42,146,368 (4.6% of Contract Values)
- \$127,192 incentive/disincentives applied (6.6% of possible incentives)

As of 14 Nov 2022

- 49 Sections completed testing, \$735,603 of possible incentives
 - 31 Sections received incentives totaling \$205,099 (14% of Possible)
 - 18 Sections received disincentives totaling \$76,255
- 33 Sections pending testing
 - Possible \$1,190,351 Incentives
- 0 Sections Waived as of 14 Nov 2022

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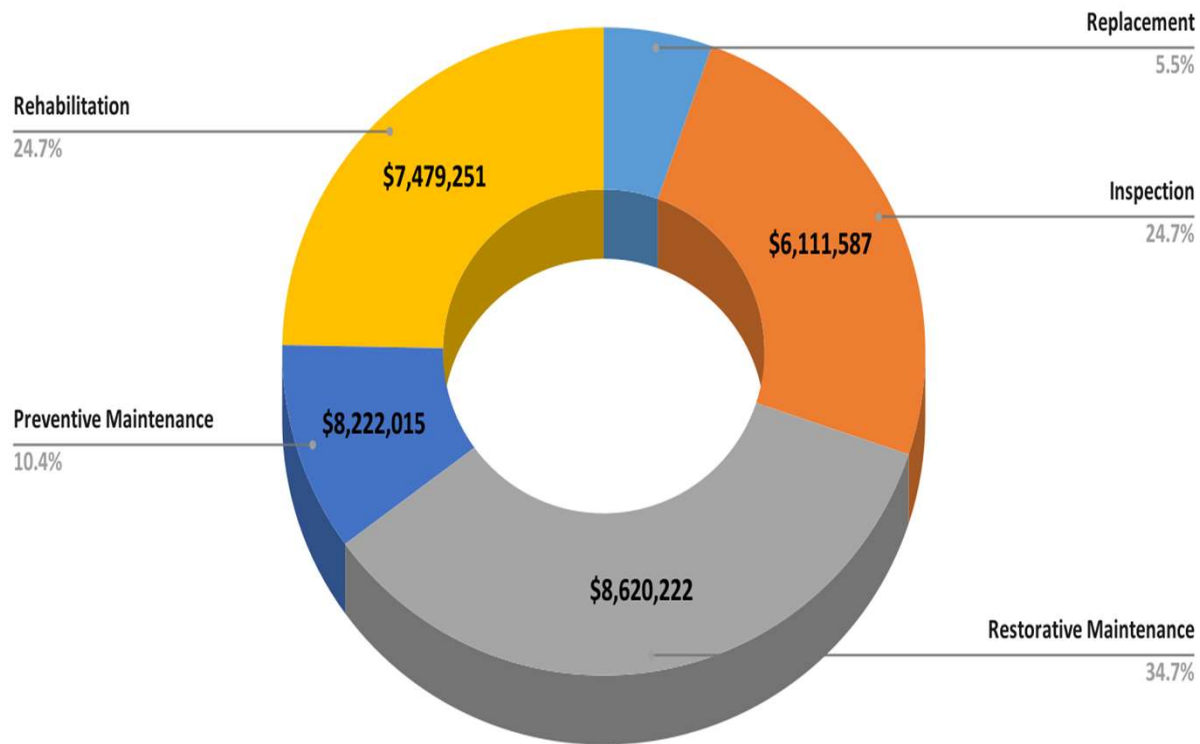
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BRIDGES

| Allison Richter

FY23 Budget by Accomplishment Type

Structure and Bridge



Structure and Bridge Contracts

Projects Under Construction

Six Bridge Maintenance Projects

- 1 Structural Steel Repair - 6 Bridges (~\$5.7M CN value)
- 1 Major Rehabilitation- Rte 460 (~\$3.0M CN value)
- 1 Interstate Bridge Painting (~\$1.9M CN value)
- 1 District-Wide Bridge Washing (~\$500K CN value)
- 1 Culvert Rehabilitation – 10 Culverts (~\$4.5M CN value)
- 3 On-Call Structural Repair (~\$6.3M per year)
- **Three Bridge Replacement Projects**
 - UPC 93077 Denbigh Blvd over I-64 (~\$23M CN value)
 - UPC 98813 Rte. 189 Blackwater River (~\$11.3M CN value)
 - UPC 98823 Rte 601 over Diascund Creek (~3.4M CN value)

Approximately \$22M FY23, \$59.6M Overall

Structure and Bridge Contracts

Projects within 6 months of Advertisement (~\$23.6M CN value)

- **Four Bridge Maintenance Projects**
 - UPC 119067 Rte 58 over Nottoway Latex Overlay and Repairs (~\$6M CN value)
 - UPC 108532/111338 Rte 258 Bus over Cypress Creek Partial Superstructure Replacement and Rehabilitation (~\$7M CN value)
 - UPC 119640 Bridge Painting Contract (~\$2M CN value)
- **Four Bridge Replacement Projects**
 - UPC 113031 Rte 743 over Tarrara Creek (~\$2M CN value) bids received
 - UPC 113028 Rte 683 over Stallings Creek (~\$2M CN value) currently advertised
 - UPC 113029 Rte 644 over Pope Swamp (~\$2.5M CN value)
 - UPC 111339 Rte 692 over Champion Swamp (~\$2.1M CN value)

Structure and Bridge Contracts

Projects to Advertise in 6-24 months (~\$51.6M CN value)

- **Four Bridge Maintenance Projects**

- UPC 117418 Structural Steel Repairs (~\$2.5M CN value)
- UPC 121532 Structural Steel Repairs (~\$3M CN value)
- UPC 119784 Rte 629 (Moores Ferry Rd) over I-95 Deck Replacement (~\$3.4M CN value)

- **Five Bridge Replacement Projects**

- UPC 113030 Rte 178 over Occohannock Creek (~\$4.8M CN value)
- UPC 111342 Rte 40 over Otterdam Swamp (~\$5.0M CN value)
- UPC 120125 Saxis Road Bulkhead Replacement (~\$1.5M CN value)
- UPC 121531 Rte 614 over Seacock Swamp (~\$4.4M CN value)
- UPC 122717 Rte 58 over I-95 (~\$27M CN value)

Structure and Bridge Contracts

Future Design Projects (~\$27.7M CN value), Advertisement is dependent on funding

- **Four Bridge Replacement Projects**
 - Rte 143 over Queen Creek (~\$10M CN value)
 - Rte 58 EBL over Nottoway Swamp (~\$10M CN value)
 - Rte 600 over Great Swamp (~\$4.7M CN value)
 - Rte 626 over Stallings Creek (~\$3M CN value)

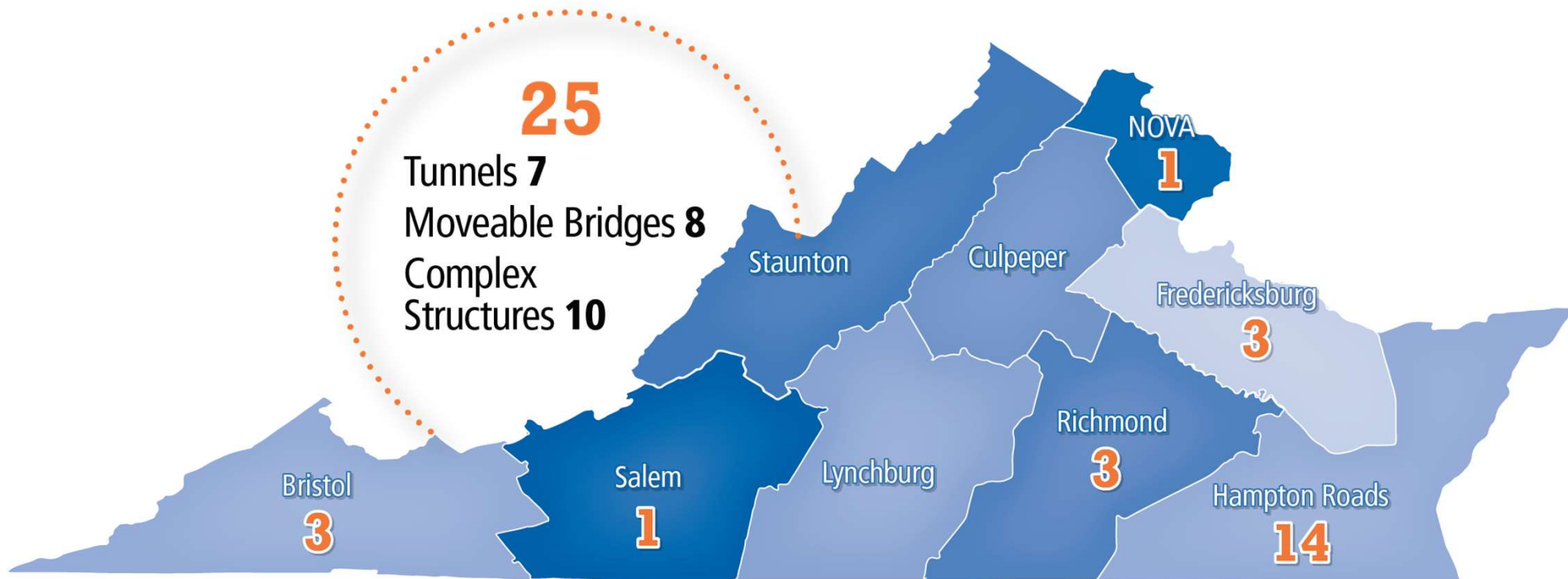
Infrastructure Investment and Jobs Act

- 5 Year Program - Federal Infrastructure funding
- Focus on System Preservation on Interstates and High Volume Primaries (15% of work reserved for off-system structures)
 - Overlays
 - Painting
 - Joint elimination
 - Substructure Surface Repair
 - Scour Repair
 - Culvert Liners
- \$107 Million / Year statewide
 - Needs-based distribution
 - \$26M per year for locality projects, \$81M per year for VDOT projects
 - Year 1 (10/1/21 - 9/30/22)- whole \$107M for VDOT projects
 - Hampton Roads 18% of Statewide VDOT funding (highest)
- Hampton Roads District Year 1 Projects
 - Culvert Spray Liners - 10 Structures - \$4.5M (Underway)
 - Secondary Bridge Painting - 11 Structures - \$3M (Awarded)
- Hampton Roads District Years 2-5
 - Average \$15M per year

SPECIAL STRUCTURES

Shannon Ternes, P.E., Special Structures Engineer

Special Structures - Inventory



Defined By:

- Risk/Complexity
 - Maintenance Cost
 - Importance
- Long Detours, High Traffic, Economic Significance (Shipping and Vehicular), Access to Vital Facilities (Military and Ports)

Special Structures Projects

➤ Projects Under Construction

HRBT Invert Slab Concrete Repairs

- On-call Term Contract (~\$9M CN value)
- Initial 2-year Term
- Two Optional 1-year Terms

JRB Emergency Span Drive System

- Installation of redundant emergency drive (~\$2.8 CN value)

JRB Concrete Beam Strengthening

- Approach span beam repairs and CFRP strengthening (~\$4.2 CN value)

Berkley Emergency Generator

- Construction of landside building and installation of new generator (~\$9.4M CN value)



HRBT Invert Slab Concrete Repairs



JRB Emergency Span Drive

Special Structures Projects

➤ Upcoming Projects

Movable Bridge - Construction Projects

- High Rise Generator Replacement - **Ad 10/25/2022**
- Coleman Balance Wheel Anchor Bolt and Grout Repairs - **Ad 11/9/2022**
- JRB Lifting Cable Replacement - **Ad 5/2023**
 - Main and Auxiliary Counterweight Ropes (88 total)
 - Material procured separately by VDOT
- Berkley Mechanical and Electrical Rehabilitation - **Ad 9/2023**
 - Utility and Electrical Room constructed between bascule piers
 - Submarine Cables
 - Drives and Control System
 - Westbound Machinery
 - Eastbound Machinery
 - Warning Gates

Tunnel - Design Projects

- MMMBT Utility Power, Switchgear and Generator Upgrade Design
- MMMBT Ventilation System Upgrades
- HRBT WB Ventilation System Upgrades

OPERATIONS

Kenneth Reynard, District Traffic Operations Director

District Operations Team

Name	Email	Phone #
Kenneth Reynard District Traffic Operations Director	Kenneth.Reynard@VDOT.virginia.gov	757-956-3014
Tommy Catlett Assistant District Traffic Operations Director	Tommy.Catlett@VDOT.virginia.gov	757-956-3082
Brian Mosier District Traffic Operations Manager	Brian.Mosier@VDOT.virginia.gov	757- 328-3933
Tim Haynam District Traffic Engineer	Timothy.Haynam@VDOT.virginia.gov	757-504-5663
Chuck Dixon District Operations Maintenance Manager	Chuck.Dixon@VDOT.virginia.gov	757-925-1679
Larry Harris Hampton Roads Harbor Tunnels Facility Manager	Larry.Harris@VDOT.virginia.gov	757-727-4811
Michael Miller District Operations Technology Engineer	Michael.Miller@VDOT.virginia.gov	757-605-8741
John Bisnett Signals and Freeway Operations Engineer	John.Bisnett@VDOT.virginia.gov	757-837-8392
Derrick Keltner Hampton Roads Express Lane Network Manager	Derrick.Keltner@VDOT.virginia.gov	757-708-5363

District Operations



District Operations

- *We Keep Virginia Moving!*
- Traffic Volume - ~5 million vehicles per day pass through detectors
- Lane Impacting Incidents - 600-800 per month
- Roadway Clearance Time - 16-18 minutes
- Traffic Operations Center (TOC) - 24/7 operations
- Safety Service Patrol (SSP)
- Incident Management Coordinators (IMCs)
- Wrecker Contracted Services
- Major Waterway Crossings
 - Hampton-Roads Bridge-Tunnel
 - Monitor-Merrimac Memorial Bridge-Tunnel
 - James River Bridge
 - Jamestown-Scotland Ferry

District Operations

Advanced Traffic Management System (ATMS)

- Numerous Enhancements / Statewide Consistency

Infrastructure Upkeep

- Changeable Message Signs (CMS)
- CCTV Cameras
- Delaminated Overhead Roadway and Ground Signs

Cyber Security Improvements

- Cabinet Digital Locks
- Layer 3 Fiber Switches

Express Lane Network

- 45 mile VDOT managed network - Jefferson Ave to Bowers Hill

District Operations

Staff Augmentation Contracts

- Professional engineering services
- Skilled trades, technicians, operators
- Commercial services (i.e. wrecker service)

Industrial Systems Life Cycle Maintenance & Replacement

- Mechanical
- Electrical power distribution
- Electronic
- SCADA
- Tolling infrastructure and systems support

Asset Installation & Maintenance Services

- Pavement markings
- Roadway signs
- Guardrail
- Roadway lights

Traffic Signal Design & Installation Services

- Safety Improvement Projects

Marine Vessel Services

- Maintenance
- Repairs
- Design

Operations Projects

Data as of 10/31/2022

Projects in Development

UPC/ Contract	Name	Planned Ad (Current Ad)	Planned Award Date
120334	Hampton Roads HSIP Unsignalized Intersection 2	(11/9/2022)	2/6/2023
121056	I-564 Tunnel Generator Fuel Tank	12/20/2022	3/15/2023
121345	Williamsburg 2022 Shipyard Package	(8/15/2022)	10/17/2022
121644	Pocahontas Shipyard Package 2023	3/14/2023	6/2/2023
122294	Jamestown Transfer Bridge(s) Hydraulic Lift System	4/1/2023	6/1/2023
122464	I-564 Tunnel Pump Control Upgrades	7/11/2023	9/29/2023
122409	JSF Surry Side Slip DownRiver Comp Piles	3/14/2023 (2/14/2023)	6/15/2023

District Operations



We keep Virginia Moving!

30 Minute Networking Break

After the Break, VDOT will brief
the District's Project
Development and Delivery.

DEVELOPMENT & DELIVERY PROGRAM OVERVIEW

Mike Davis, PE, CCM, Deputy District Engineer

Development and Delivery Team

Name	Email	Phone #
Michael R. Davis, PE, CCM Deputy District Engineer	Michaelr.davis@VDOT.virginia.gov	757-956-3032
Todd Halacy, PE Planning and Investment Manager	Todd.Halacy@VDOT.virginia.gov	757-956-3010
Bruce Duvall, PE District Project Development Engineer	Bruce.Duvall@VDOT.virginia.gov	757-956-3054
John Jacobs, PE, PMP District Construction Engineer	John.Jacobs@VDOT.virginia.gov	757-376-7561
Rick Correa, PE Major Projects Director	Ricardo.Correa@VDOT.virginia.gov	757-635-2162

Project Pipeline



Todd Halacy

**Project Funding
and Planning**

Bruce Duvall

**Project from
planning to
advertisement**

John Jacobs

**Project from
Advertisement to
Contract close out**

Todd Halacy

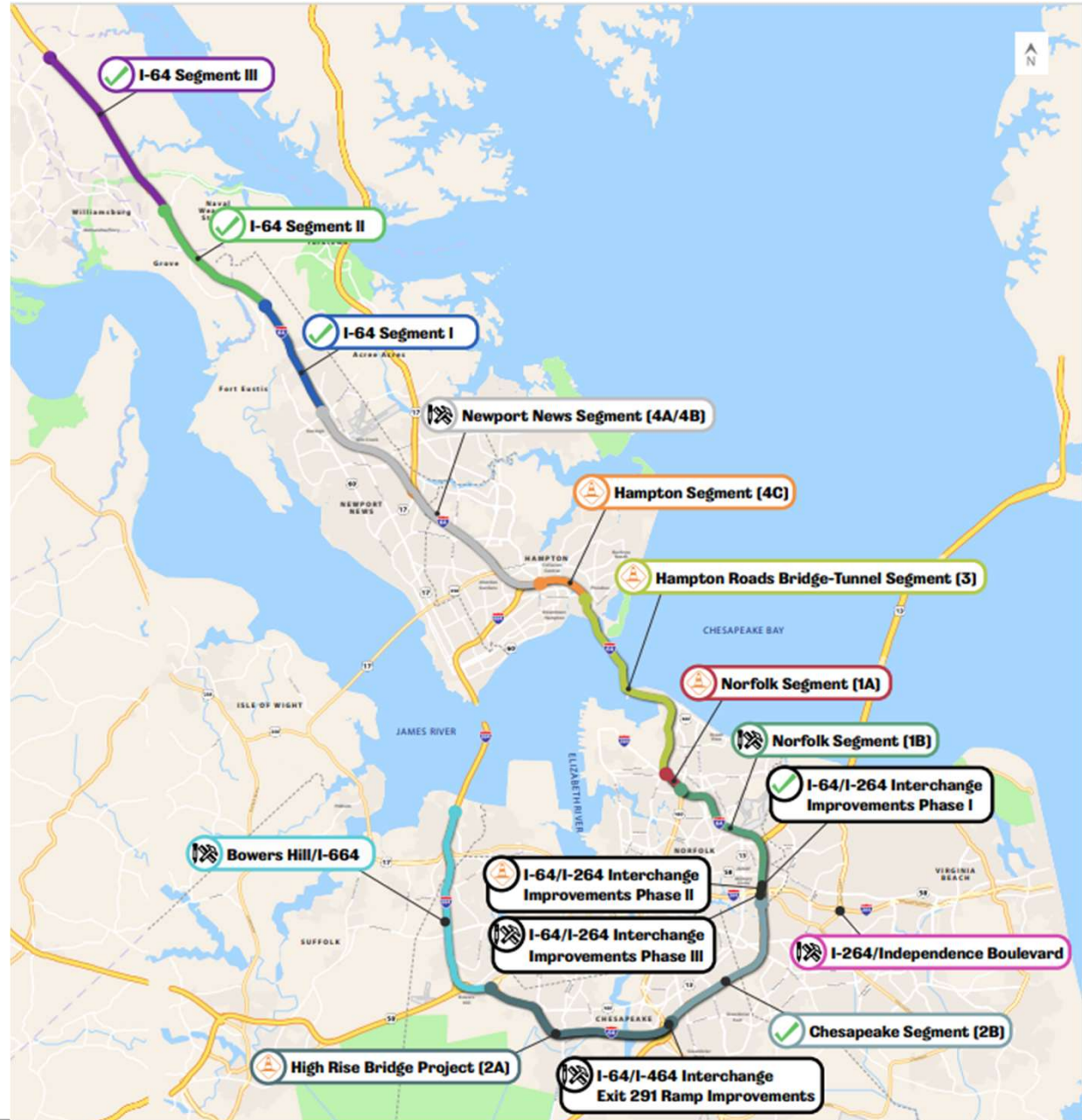
**Project Financial
Close out**

Major Projects- Projects funded by HRTAC:
Rick Correa- Director of Major Projects
James Poff- Major Projects Construction Engineer

Building the Future

From 2015 to the Present

Enabled by funding from:

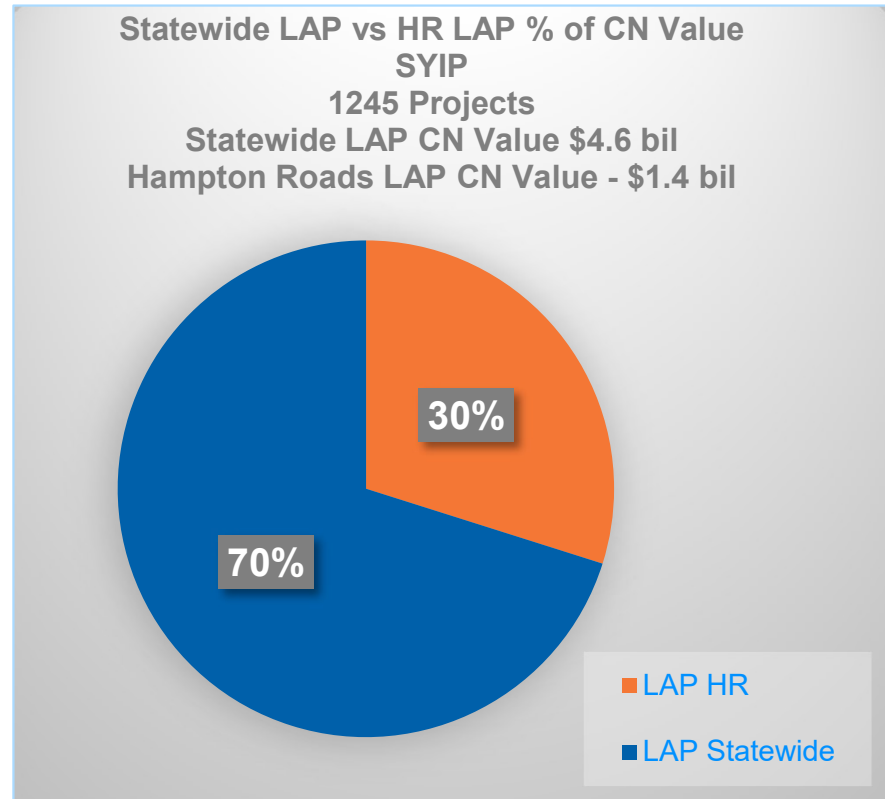
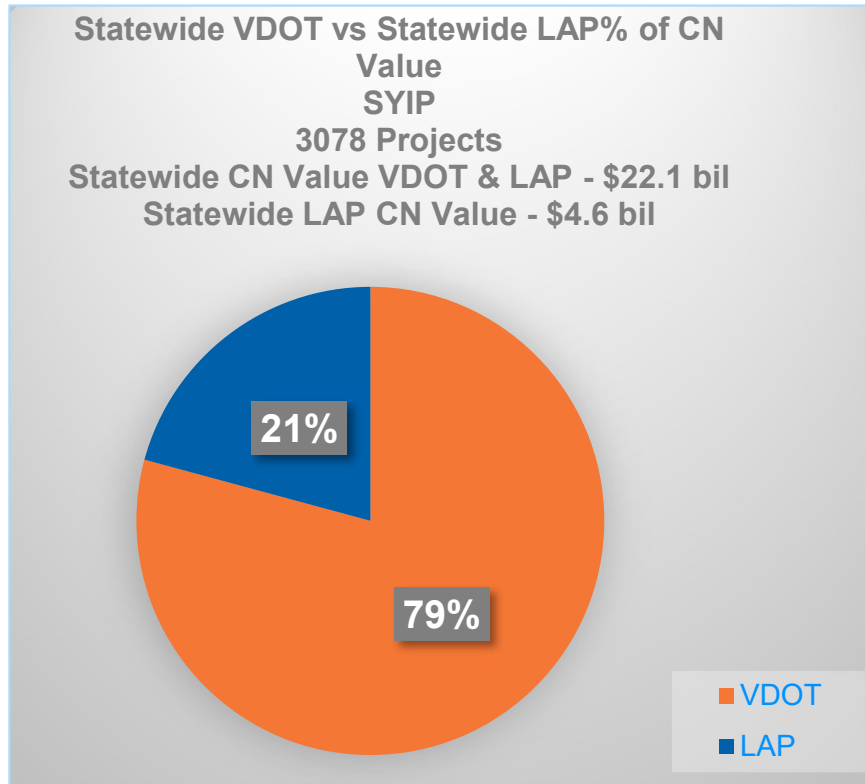


Construction Program

DISTRICT	AMOUNT UNDER CONTRACT	PERCENT OF STATE PROGRAM
Bristol	\$ 281,700,871	11 %
Culpepper	\$ 49,898,694	2 %
Fredericksburg	\$ 172,318,789	7 %
Hampton Roads	\$ 736,700,961	30 %
Lynchburg	\$ 57,674,921	2 %
Northern Virginia	\$ 364,190,291	15 %
Richmond	\$ 158,116,106	6 %
Salem	\$ 572,052,864	23 %
Staunton	\$ 83,788,381	4 %
TOTAL	\$ 2,476,441,876	

- Does not include P3 Projects
- Does not include LAP Construction: \$255M
- Does not include HRBT Expansion Project: 3,375,204,586

Locally Administered Program – CN Value



Includes projects with the following status – No Dates Set Yet, No Dates Set Yet –PE Open, Activity Dates Set Yet, Advertised, Awarded, CN Started

PROJECT DEVELOPMENT

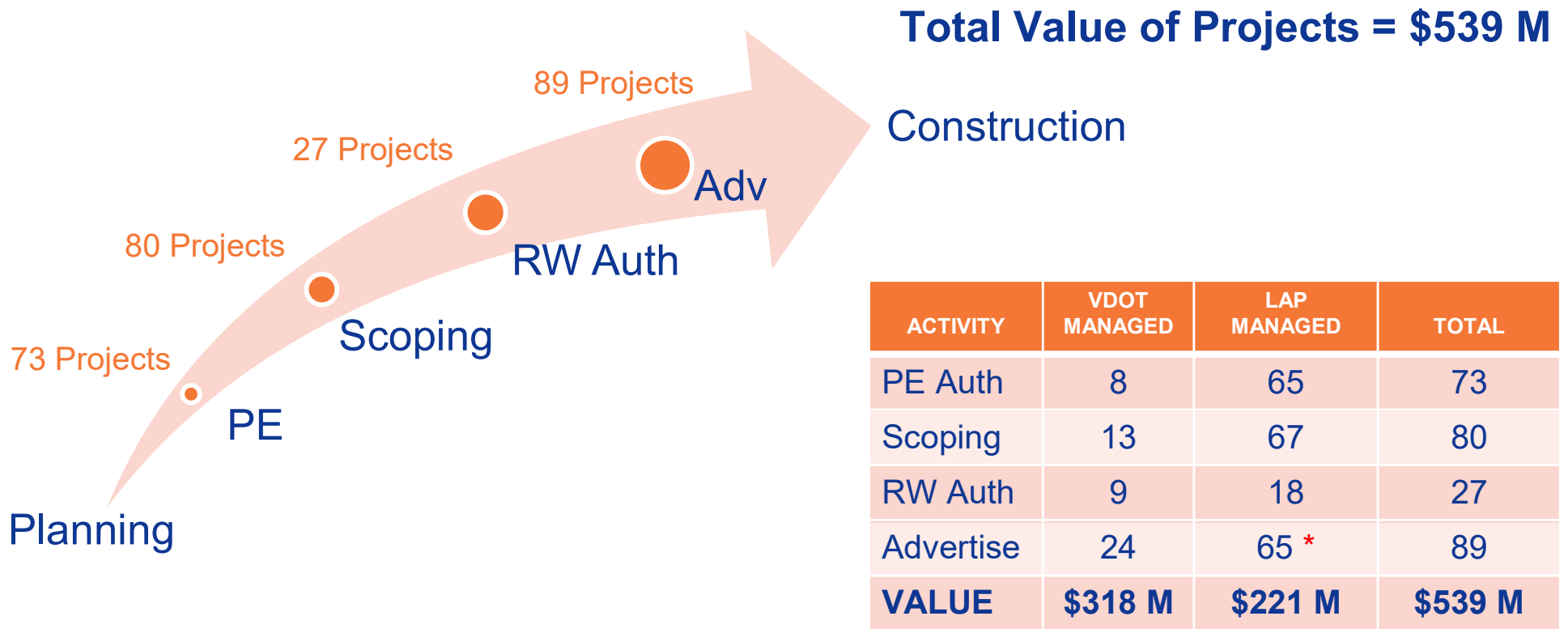
Bruce Duvall, PE, District Project Development Engineer

Preliminary Engineering Team

Name	Email	Phone
Emmanuel Darko, PE, PMP District L&D Engineer	Emmanuel.Darko@VDOT.Virginia.Gov	757 956-3261
Melissa Wolford District Environmental Manager	Melissa.Wolford@VDOT.Virginia.Gov	757 956-3184
Jennifer Dail District NPDES & MS4 Coordinator	Jennifer.Dail@VDOT.Virginia.Gov	757 956-3275
Alan Williams Regional Operations Project Administrator	Alan.Williams@VDOT.Virginia.Gov	757 818-1966

Program Overview

12-Month Forecast of Milestone Accomplishments



* Includes 21 SGR Paving Projects

Projects Advancing to Advertisement

Calendar Year	Scheduled Advertisements VDOT Administered	Estimated Value	Scheduled Advertisements Locally Administered	Estimated Value	Scheduled Advertisements TOTAL	Total Value
2022	31	\$ 63 M	70	\$ 208 M	101	\$ 271 M
2023	15	\$ 314 M	60	\$ 264 M	75	\$ 578 M
2024	10	\$ 39 M	47	\$ 177 M	57	\$ 216 M
2025	1	\$ 6 M	40	\$ 205 M	41	\$ 211 M
2026	7	\$ 286 M	38	\$ 200 M	45	\$ 486 M

Projects Advancing to Advertisement

Calendar Year	Scheduled Advertisements VDOT Administered	Estimated Value
2022	31	\$ 63 M
2023	15	\$ 314 M
2024	10	\$ 39 M
2025	1	\$ 6 M
2026	7	\$ 286 M

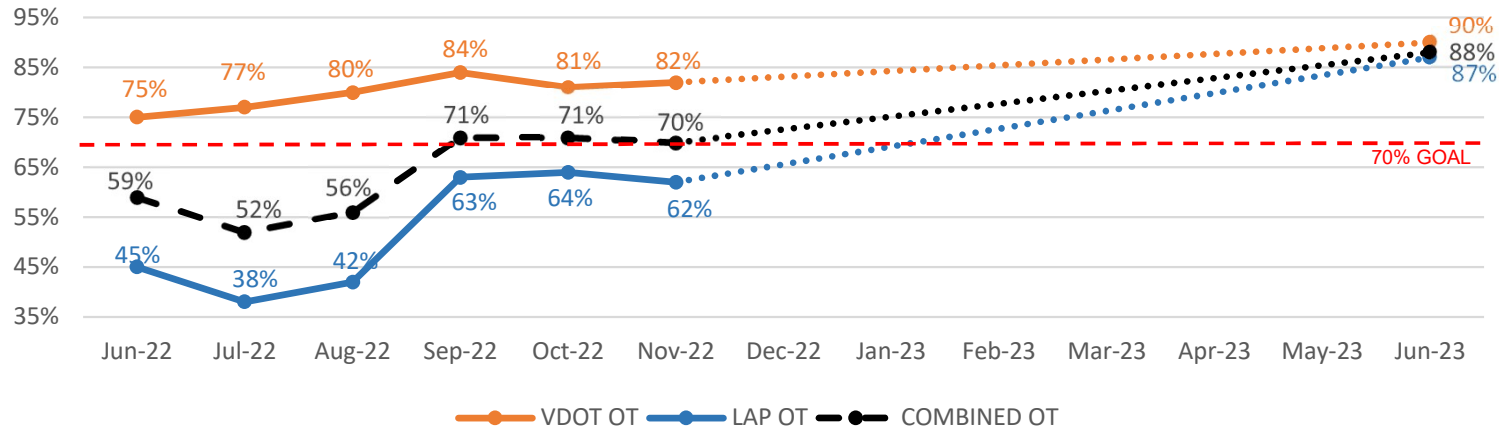
Scheduled Advertisements Locally Administered	Estimated Value
70	\$ 208 M
60	\$ 264 M
47	\$ 177 M
40	\$ 205 M
38	\$ 200 M

Scheduled Advertisements TOTAL	Total Value
101	\$ 271 M
75	\$ 578 M
57	\$ 216 M
41	\$ 211 M
45	\$ 486 M

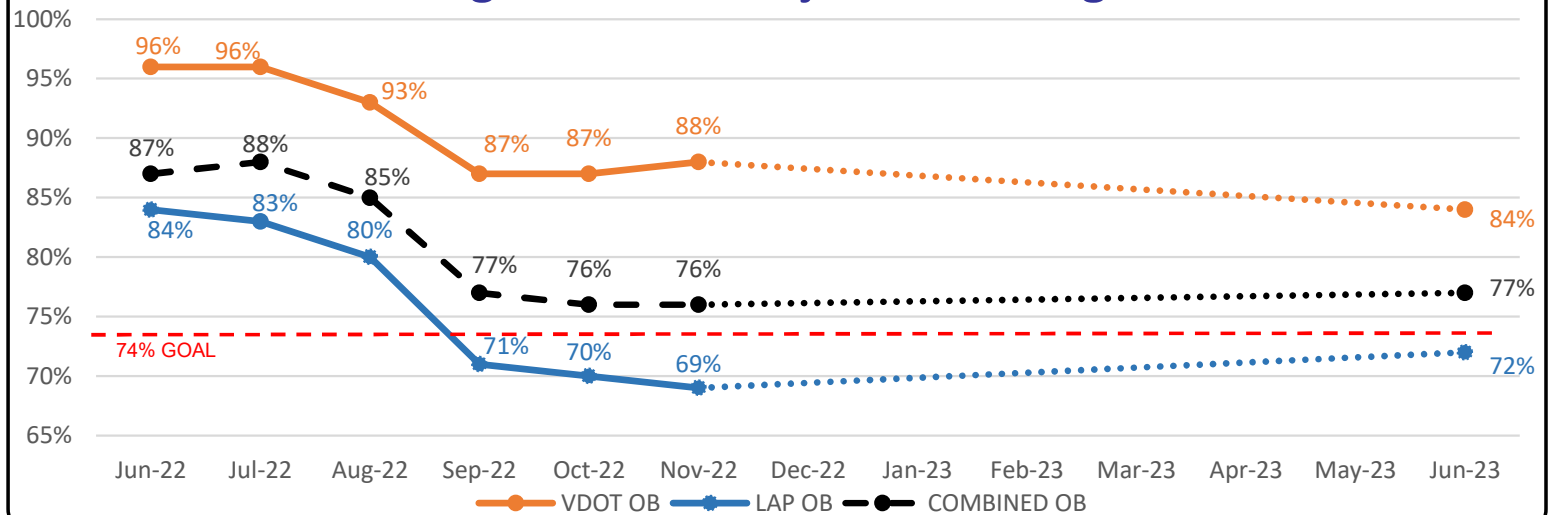
\$1.8B
Over Next 5-Years

FY22 Dashboard Performance

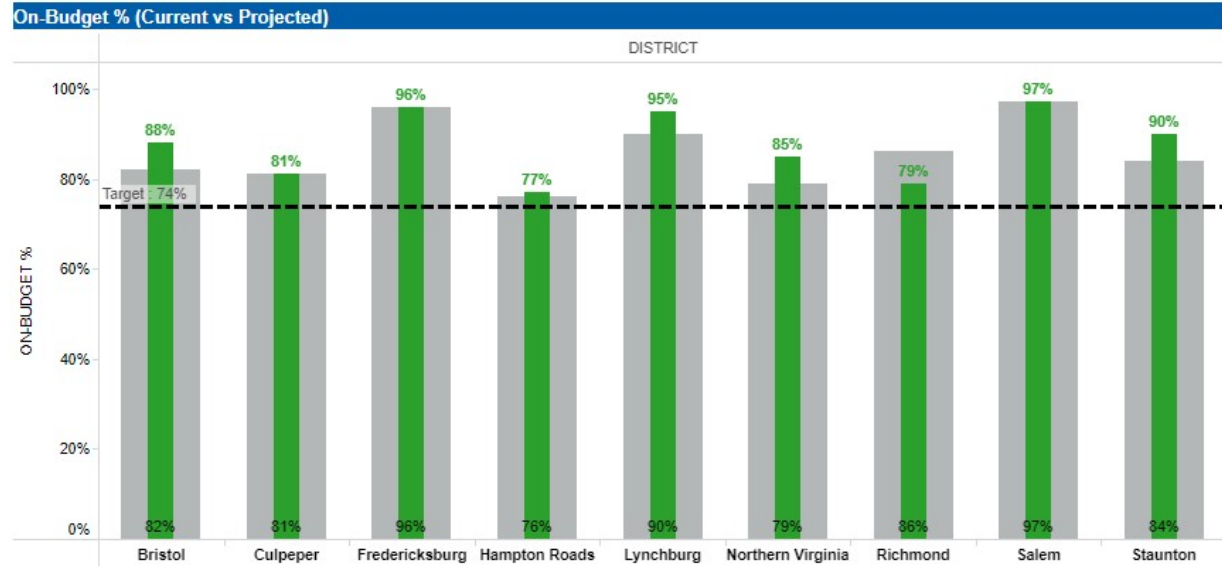
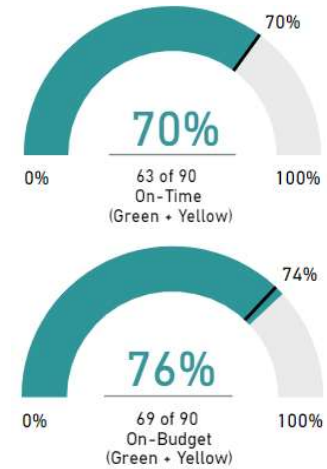
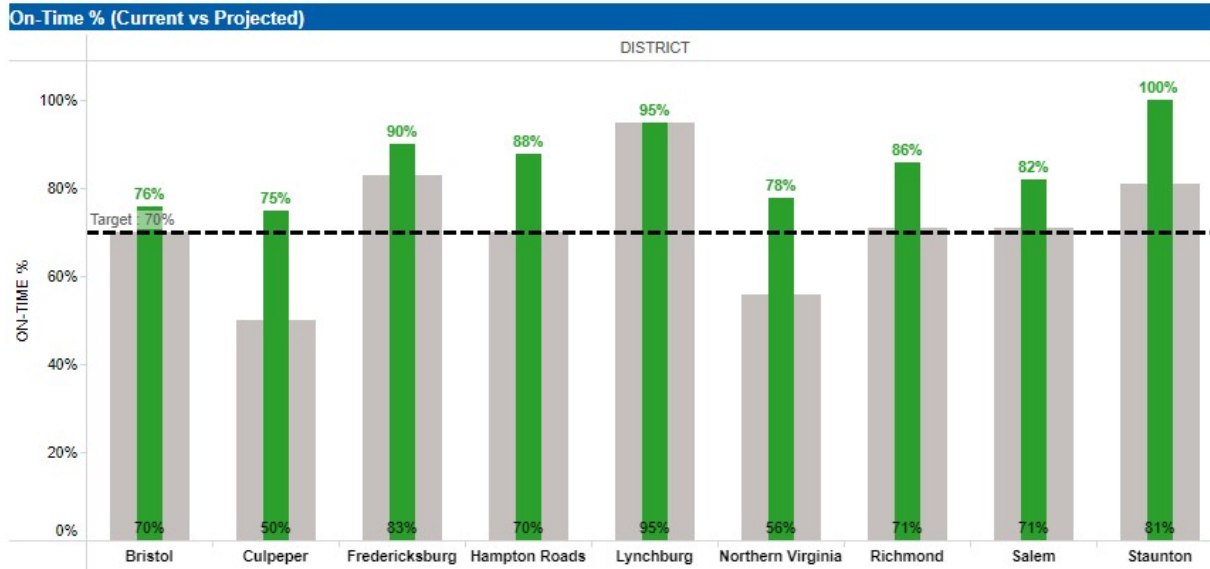
Target: 70% of Projects On-Time



Target: 74% of Projects On-Budget



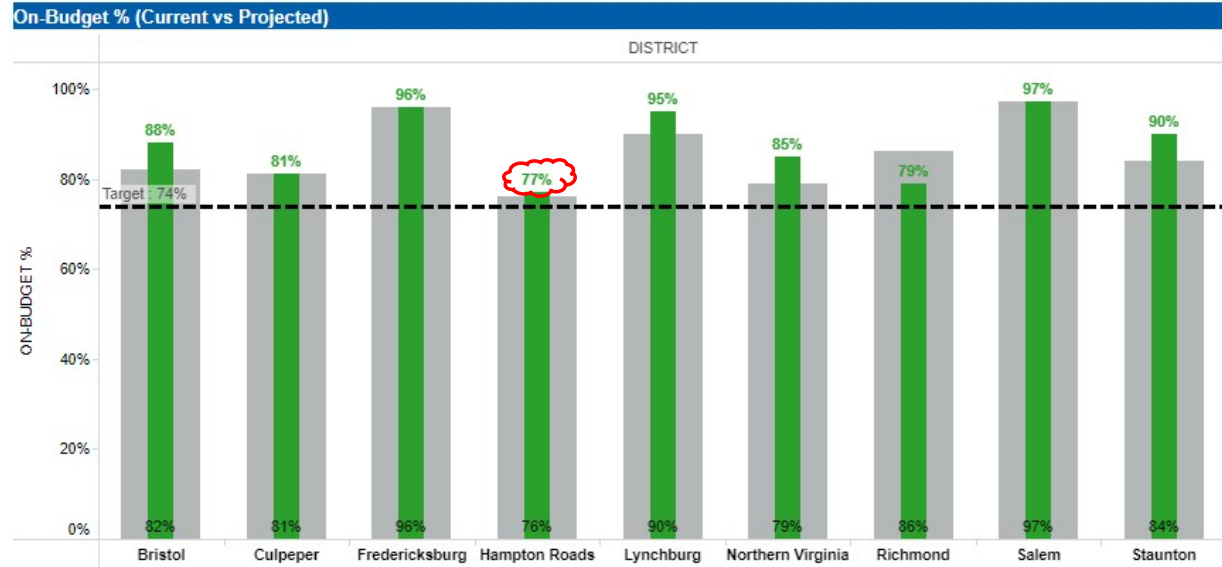
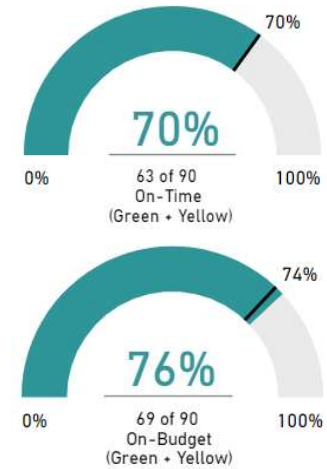
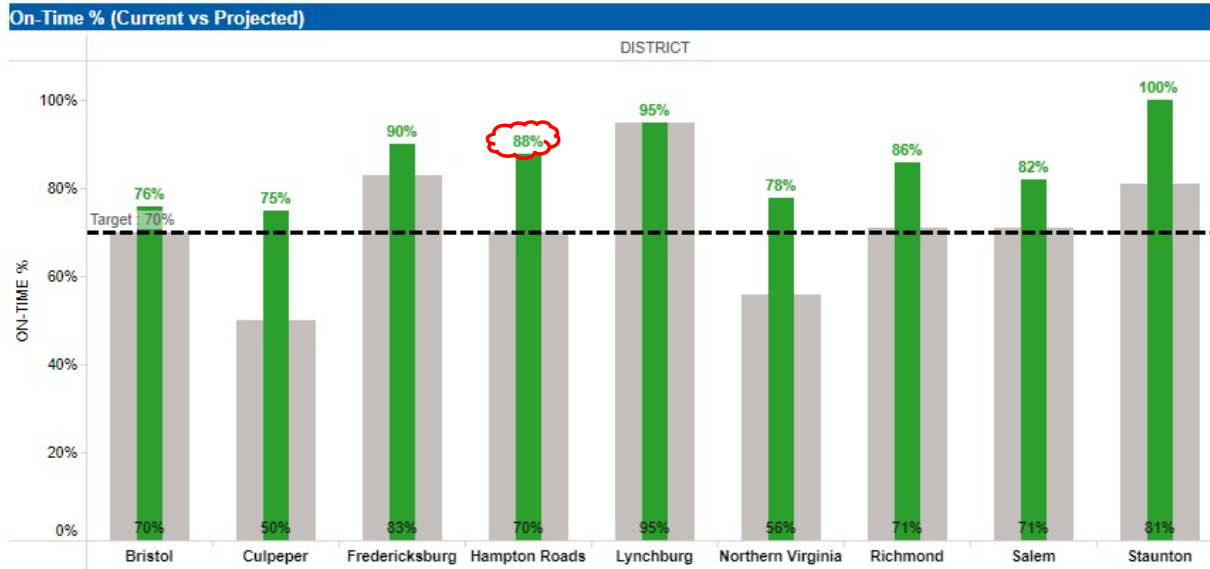
FY22 Current vs Projected OT% and OB% (VDOT+LAP)



CURRENT VS PROJECTED STATUS

- Current OT% or OB%
- Projected OT% or OB% (above target)
- Projected OT% or OB% (below target)

FY22 Current vs Projected OT% and OB% (VDOT+LAP)



CURRENT VS PROJECTED STATUS

- Current OT% or OB%
- Projected OT% or OB% (above target)
- Projected OT% or OB% (below target)

Project Development

Select Tier 1 Projects (under \$10M in Construction Value)

Project	Construction Estimate	Advertisement
#SGR19VB - RT 644 over Pope Swamp Bridge Replacement VDOT Administered – Isle of Wight	\$ 2.4M	Winter 2023
#SGR23VP 2023 Isle of Wight Primary Plant Mix VDOT Administered – Isle of Wight	\$ 2.7M	Winter 2023
#SGR18VB - RT 258BUS over Cypress Ck Bridge Repair VDOT Administered – Smithfield	\$ 5.0M	Spring 2023
#SGR18VB - RT 40 over Otterdam Swamp Bridge Replacement VDOT Administered – Surry County	\$ 4.1M	Summer 2023
#HB2.FY17 Little Back River Road Reconstruction / Realignment LAP Administered – Hampton	\$ 6.2M	Summer 2023
Penniman Rd / Government Rd Roadway Improvements VDOT Administered – York County	\$ 3.9M	Fall 2023
Elbow Road Widening, Phase 2 LAP Administered – Chesapeake	\$ 9.5M	Fall 2023
#SMART18 - Indian River Road Phase 7B LAP Administered – Virginia Beach	\$ 9.9M	Fall 2023

Project Development

Select Tier 2 Projects (over \$10M in Construction Value)

Project	Construction Estimate	Advertisement
Nansemond Pkwy/Wilroy Rd Overpass over Commonwealth Railway LAP Administered – Suffolk	\$ 22.3M	Winter 2023
Hampton Roads Express Lanes, Segment 1B VDOT Administered – Norfolk	\$ 203M	TBD
Croaker Road - Four Lane Widening VDOT Administered – James City County	\$ 21.9M	Summer 2023
SPSA Interchange VDOT Administered – Suffolk	\$ 28.9M	Fall 2023
Elbow Road Widening, Phase 2B LAP Administered – Virginia Beach	\$ 37.9M	Fall 2023
#HB2.FY17 Indian River Road, Phase 7A LAP Administered – Virginia Beach	\$ 36.7M	Fall 2023

Project Development

Select Projects - Calendar Year 2024

Project	Construction Estimate	Advertisement
Shore Drive- Safety/Ped Improvements LAP Administered – Virginia Beach	\$ 21.2M	Winter 2024
Hampton Roads Express Lanes - Segment 4A & 4B VDOT Administered – Newport News	\$ 137.9M	To be determined
Rosemont Road Reconstruction LAP Administered – Virginia Beach	\$ 13.9M	Summer 2024
Centerville Turnpike Widening Phase 2 LAP Administered – Virginia Beach	\$ 28.9M	Summer 2024
#HB2.FY17 Nike Park Rd Extension VDOT Administered – Isle of Wight	\$ 10.7M	Fall 2024
#SMART20 Jefferson Ave & Oyster Point Rd Intersection Imprv. LAP Administered – Newport News	\$ 5.0M	Fall 2024

Other Active Projects

Project	Location	Status	Project Cost (\$M)
Air Terminal Interchange	Norfolk	Design	\$60
I-64 Widening (Gap)	James City Co	Design	\$750
I-64/I-264 Interchange Improvements Phase III-A	Norfolk	Planning	\$510
Bowers Hill Interchange	Chesapeake	Study (NEPA)	\$771
I-664 Southside Widening to College Drive	Portsmouth/Suffolk	Study (NEPA)	\$1529
I-64/I-464 Interchange Improvements	Chesapeake	Study (IAR)	\$339
I-264/Independence Interchange Improvements	Virginia Beach	Study (IAR)	\$876
I-64/Denbigh Blvd Interchange	Newport News	Study (IAR)	\$219

Professional Services Procurement

2023 Opportunities

- ✓ **Hampton Roads Program Support Services (Engineering Services)**

Advertisement – Late 2023

- ✓ **Statewide Design Services**

Term Contract – Up to 12 Awards

1 Year Term w/3 Successive Options

Estimated Contract Value – \$5,000,000 per term

Anticipated Advertisement – Early 2023



Find Out More at virginiadot.org at: Home / Business / Professional Services Procurement



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511 offers real-time traffic info. Anytime you need it, anywhere you are.



Virginia Roads

Your one-stop source for VDOT maps, data and project info.



Professional Services Procurement

The Virginia Department of Transportation (VDOT) procures professional services contracts for transportation projects through competitive negotiation, a selection method defined in the VPPA §2.2-4300 and in accordance with the most current professional services procurement manual.

These services are primarily procured by the following divisions:

- [Alternative Project Delivery](#)
- [Construction](#)
- [Environmental](#)
- [Location and Design](#)
- [Materials](#)
- [Right of Way and Utilities](#)
- [Structure and Bridge](#)
- [Traffic Engineering](#)
- [Transportation and Mobility Planning](#)

Questions and comments about the program should be sent to Tracy Wood at Tracy.Wood@VDOT.Virginia.gov.

CONSTRUCTION OVERVIEW

John F. Jacobs III, PE, PMP, District Construction Engineer

District Construction Team



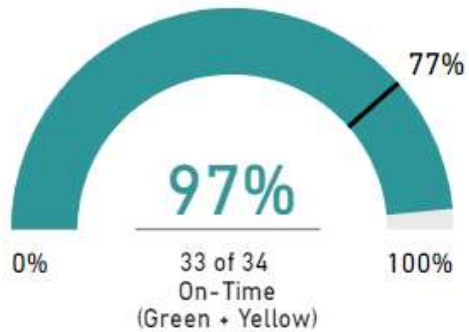
Name	Email	Phone #
John Jacobs, PE, PMP	John.Jacobs@VDOT.virginia.gov	757-956-3012
John Arms, PE, CCM	John.Arms@VDOT.virginia.gov	757-494-5472
Greg Brown, PE	GregK.Brown@VDOT.virginia.gov	757-618-0361
Miranda Kidd, PE, CCM	Miranda.Kidd@VDOT.virginia.gov	757-956-3342
James Klotz, PE	James.Klotz@VDOT.virginia.gov	757-274-2552
Jeff Minnix, PE	jminnix@ces-consultingllc.com	757-679-5333
Eric Kevitz, PE, PMP	Eric.Kevitz@VDOT.virginia.gov	757-956-3353
Thomas Tate, PE	Thomas.Tate@VDOT.virginia.gov	757-925-2674

FY22 DOT-Managed Project Delivery Metrics



As of November 28, 2022

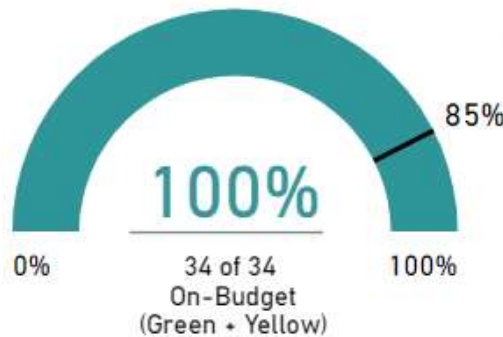
ON-TIME PERFORMANCE



Status	Active		Completed		Total	
	Count	Award	Count	Award	Count	Award
R	1	\$24M			1	\$24M
Y	5	\$15M			5	\$15M
G	6	\$109M	22	\$70M	28	\$179M
Total	12	\$149M	22	\$70M	34	\$219M

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

ON-BUDGET PERFORMANCE



Status	Active		Completed		Total	
	Count	Award	Count	Award	Count	Award
Y			5	\$16M	5	\$16M
G	12	\$149M	17	\$54M	29	\$202M
Total	12	\$149M	22	\$70M	34	\$219M

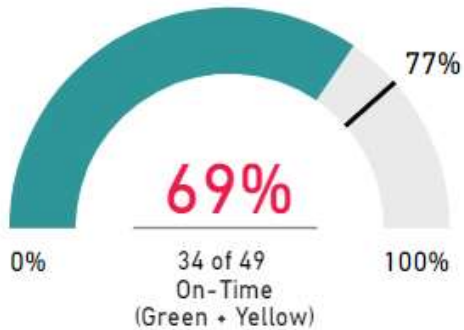
(Target : 85% of Projects Complete Delivery Phase On-Budget)

FY22 LAP-Managed Project Delivery Metrics



As of November 28, 2022

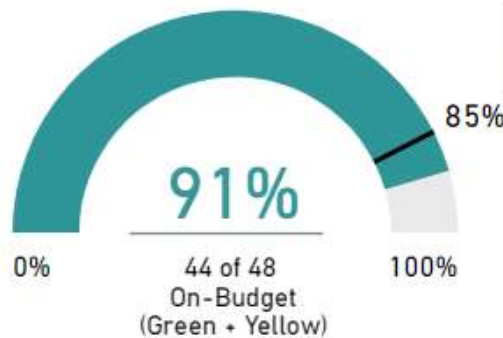
ON-TIME PERFORMANCE



Status	Active		Completed		Total	
	Count	Award	Count	Award	Count	Award
R	9	\$34M	6	\$4M	15	\$38M
Y	3	\$2M			3	\$2M
G	20	\$64M	11	\$9M	31	\$73M
Total	32	\$100M	17	\$13M	49	\$113M

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

ON-BUDGET PERFORMANCE



Status	Active		Completed		Total	
	Count	Award	Count	Award	Count	Award
R	4	\$14M			4	\$14M
Y	5	\$48M			5	\$48M
G	22	\$38M	17	\$13M	39	\$50M
Total	31	\$99M	17	\$13M	48	\$112M

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

Environmental Performance Program

As of November 28, 2022



PROJECT TEAM
16 # of Projects Green
DISTRICT LEADERSHIP
2 # of Projects Yellow
CENTRAL OFFICE DIVISIONAL LEADERSHIP
1 # of Projects Orange
EXECUTIVE LEADERSHIP
1 # of Projects Red

Data Date: 11/28/2022

PROGRAM AREA VIEW

DISTRICT VIEW

REPORTS

USER'S MANUAL FEEDBACK

Status Duration in Days (Total of 33,495 Project-Days)

(Data as of November 28, 2022 for the period of May 1, 2018 to November 28, 2022)

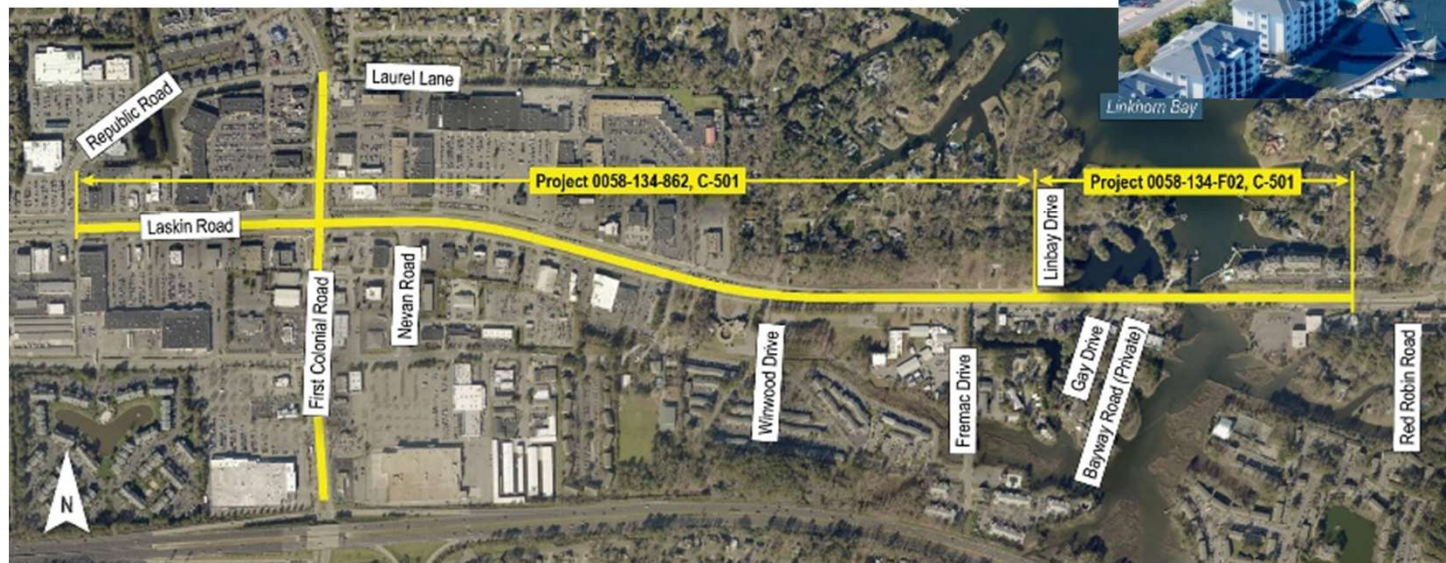
Green: 23,571 (70%) Yellow: 7,469 (22%) Orange: 2,136 (7%) Red: 292 (0.9%)

Laskin Road Reconstruction



Improve capacity and safety through widening and improvements and replace a bridge over Linkhorn Bay

- **Allan Myers VA, Inc.**
 - Contract: \$83.2M
 - NTP: Sept. 3, 2019
 - FCD: Apr. 29, 2023

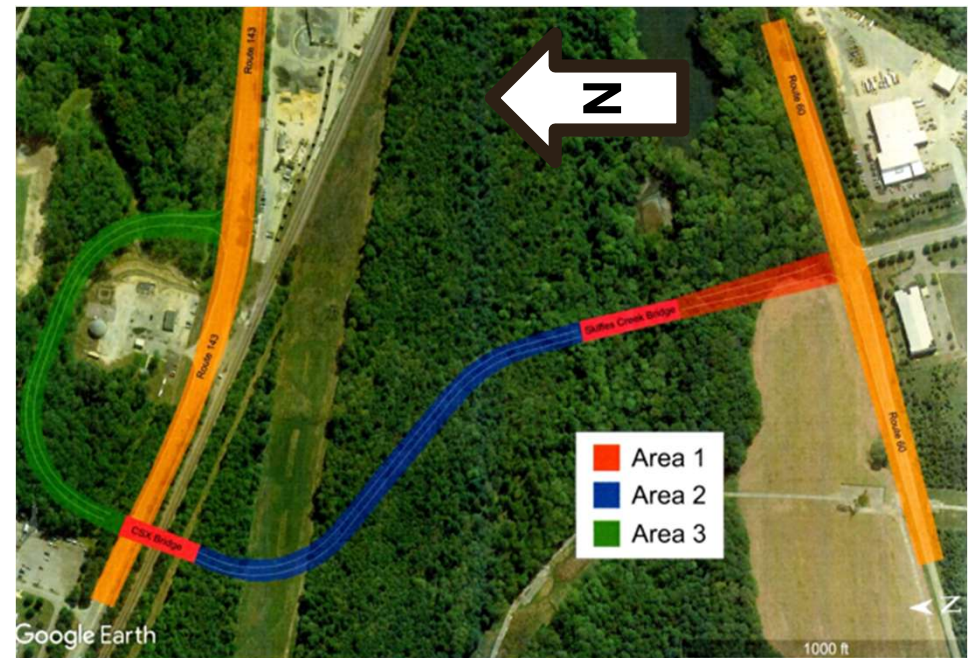


Skiffes Creek Connector



Provides strategic connectivity between US-60 and SR-143 to redirect industrial traffic away from James River Elementary School, reduce traffic from the Lee Hall community in the city of Newport News, and provide long-range, additional access to Fort Eustis.

- **Contractor: Shirley-Dewberry**
 - Contract: \$24.48M
 - NTP: Feb. 4, 2020
 - Opened to traffic on Nov. 17, 2022 ✓
 - FCD: Dec. 15, 2022



Fort Eustis Bridge Replacement



Replace existing structurally deficient bridge over Newport News Reservoir, reconstruct adjacent section of VA Route 105 and access ramps to US Route 60.

- Owner: City of Newport News
- Contractor: Fay Southeast, S&B USA Construction
 - Contract: \$18.0M
 - NTP: Aug. 3, 2020
 - FCD: Jan. 10, 2023



Granby Street Bridge Rehabilitation



Replace concrete bridge deck and perform diaphragm repairs, structural repairs to substructure and bridge jacking and bearing replacement.



- Owner: City of Norfolk
- Contractor: Curtis Contracting, Inc.
 - Contract: \$5.9M
 - NTP: Sept. 8, 2020
 - FCD: Oct. 7, 2022



LAP Active Construction Overview



As of November 9, 2022

Locality	Number of Projects	Current Construction Value	Percent of Total Construction Value
Chesapeake	8	\$10,307,018	4.04%
Hampton	10	\$7,071,166	2.77%
Newport News	4	\$41,546,218	16.29%
Norfolk	5	\$20,485,675	8.03%
Portsmouth	3	\$38,275,098	15.01%
Smithfield	1	\$587,250	0.23%
Suffolk	15	\$55,626,342	21.81%
Virginia Beach	7	\$75,472,832	29.59%
Williamsburg	2	\$659,045	0.26%
York County	4	\$4,995,637	1.96%
Totals:	59	\$255,026,281	

District-wide CEI Contracts



	Term	2021	2022	2023	2024	2025
RK&K	2 of 3					Original estimated completion but likely to end early
HNTB	2 of 3					
Quinn	2 of 3					
AMT	2 of 3					
Future	CEI					
Future	CEI					
Future	CEI					
Future	CEI					

CEI Contracts and Workload



Stand-Alone Consulting Services

- I-64/Witchduck: RK&K. Anticipate completion in 2022.
- HREL Segment 4C: ATCS.
- HREL Segment 1A: Notice of intent to CES.

Construction Staff Workload

- VDOT has 13 CMs, 17 Senior Inspectors, 13 Inspectors, and 4 Inspector Trainees for a **total of 47**.
- CEI Consultant Firms are supplying 5 CMs, 37 Senior Inspectors, 13 Inspectors, and 5 Inspector Trainees for a **total of 60**.
- Stand-Alone Consulting Firms are providing 1 CM, 8 Senior Inspectors, 3 Inspectors, and 0 Trainees for a **total of 12**.
- Other CEI positions being provided include Responsible Charge Engineers, Senior Engineers, Environmental Compliance Inspectors, and Scheduling Specialists.

Teamwork Award



- Intent is to acknowledge top-tier performance.
- Awarded annually to one or two contractors starting in 2017.
- Who is winning?
 - Overcomes challenges while maintaining operational tempo;
 - Customer and Delivery Focused; and
 - Organizational Culture.
- Jay Oppenshaw's comment on "No Whining or Sniveling" x 5.
- This year we have two Teamwork Award winners who have both won in a previous year.

Teamwork Award

Project: Asphalt paving in Emporia

Challenges: Emporia waterline main replacement through length of project from April to mid-October; FCD November 15

Flexibility:

- Began ADA ramps between waterline repair locations
- Completed paving within two weeks.
- Paved intersection during difficult MOT setup due to continued waterline work just outside project limits

Attitude: Maintained communication as waterline work ran late and followed through on their commitment to finish on-time



Teamwork Award

Project: US-460 Bridge Rehabilitation over the Blackwater River

Construction Challenges:

- Inaccurate As-Built Plans for the existing Bridge
- Previous repairs not taken into account for the new design
- Difficult MOT transitions

Partnering: Worked together to succeed with inspection staff, CM, ACE, Traffic Engineering, and design team; open to share ideas and brainstorm together for solutions

Performance: Completed Phase 2 within 3 months and laser-focused to complete on-time.



Curtis Contracting Inc.



Performance Metrics



The citizens of Virginia expect:

- Safe Work Zones;
- Environmental stewardship;
- Projects that are on-time;
- Quality projects; and
- Projects that are on-budget

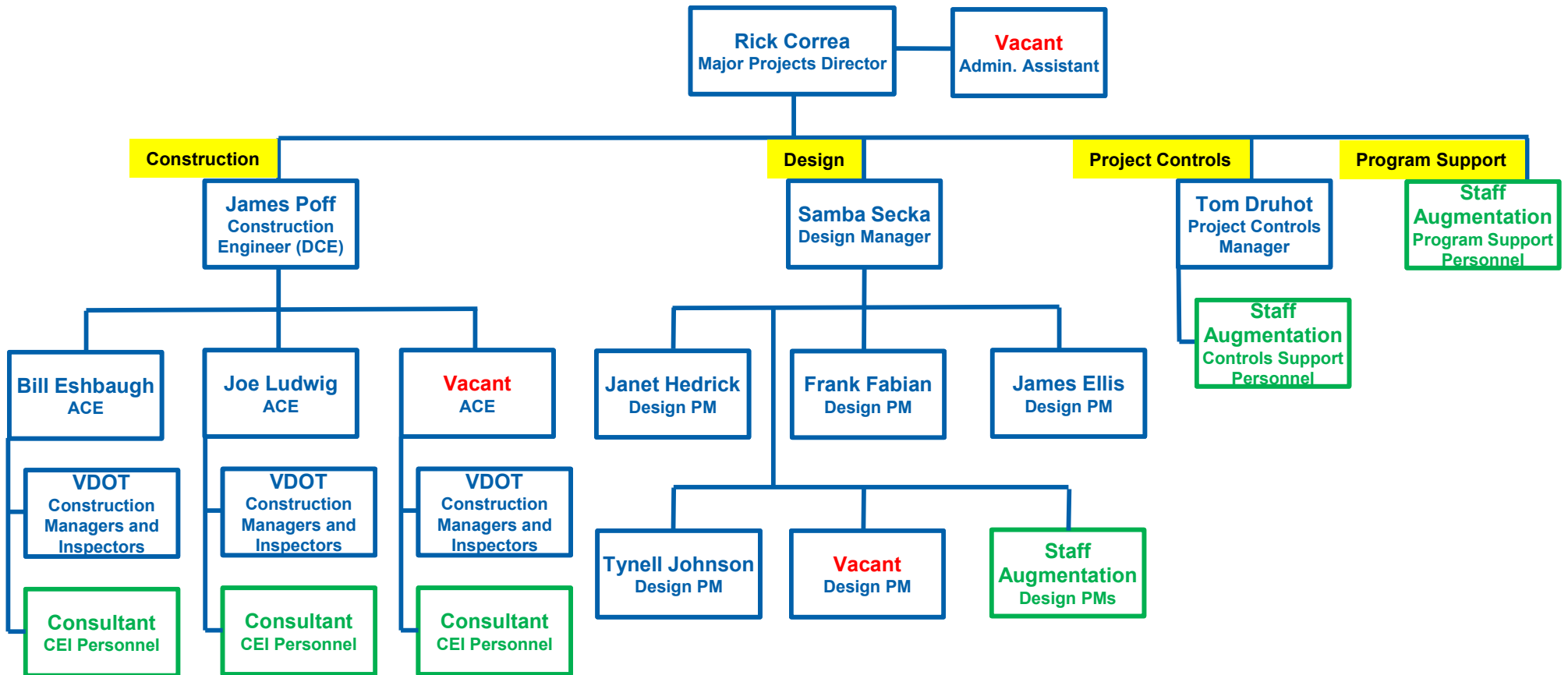
MAJOR PROJECTS

Rick Correa, PE – Director of Major Projects

Major Projects Team

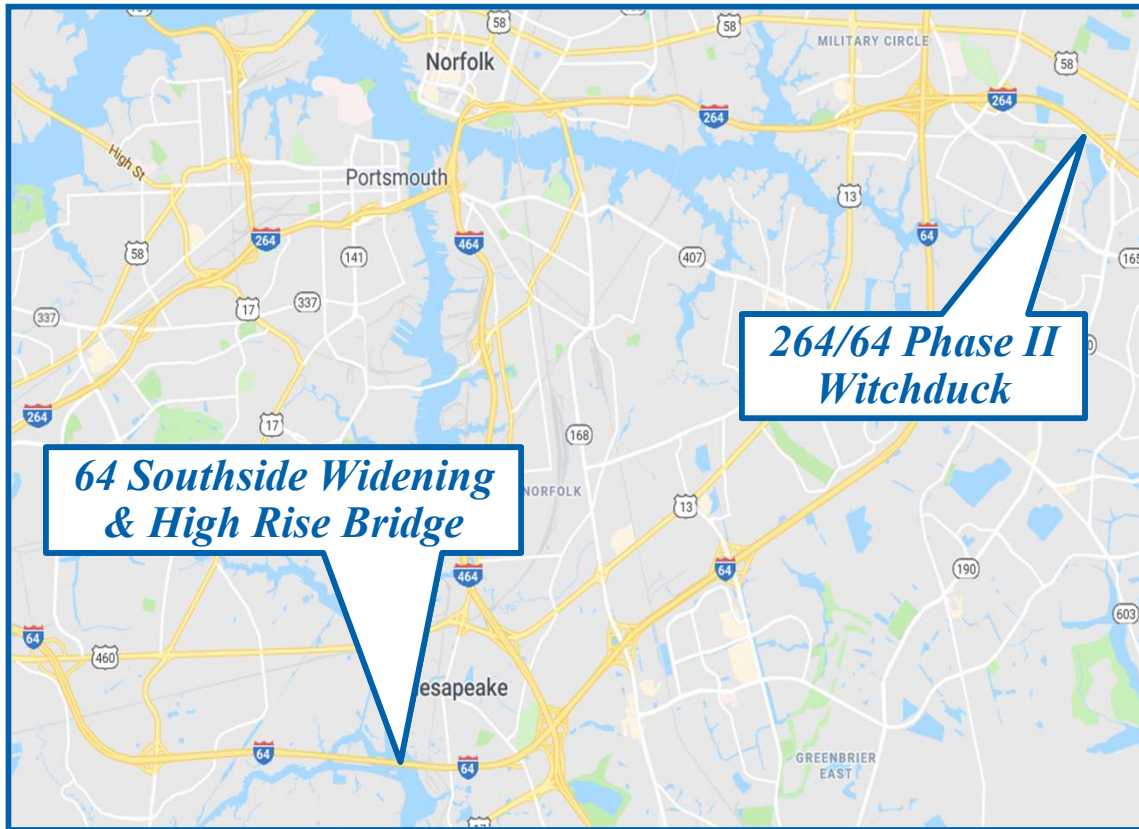
Name	Email	Phone #
Rick Correa, PE	Ricardo.Correa@VDOT.virginia.gov	757-635-2162
James Poff, PE	James.Poff@VDOT.virginia.gov	757-510-4040
Samba Secka, PE	Samba.Secka@VDOT.virginia.gov	757-956-3058
Tom Druhot, PE	Thomas.Druhot@VDOT.virginia.gov	757-956-3020
Joe Ludwig, PE	Joseph.Ludwig@VDOT.virginia.gov	757-648-0894
Bill Eschbaugh, PE	William.Eschbaugh@VDOT.virginia.gov	757-592-1048

Major Projects Reorganization



- Reorganization started at the beginning of this year
- Added design section and project controls section
- Management of projects from programming phase through construction close-out
- Focus is primarily on the development/delivery of HRTAC funded projects

Southside Interstate Projects



Project	Completion
I-264/I-64 Phase II Witchduck Road	Completed
I-64 SS Widening & High Rise Bridge	December 2022

Total Value of Contracts: \$515M

I-264/I-64 Phase II – Witchduck Road

Project Scope:

- Extends C-D Road from Newtown Road to Witchduck Road
- Reconfigure Newtown Road and Witchduck Road Interchanges
- Construct Greenwich Road Flyover Bridge

Project Status: Complete

Contractor: Lane Construction

- DBB Contract: \$105.4M
- NTP: Feb. 2018
- Completed: Nov. 2022



I-64 Southside Widening & High Rise Bridge

Project Scope:

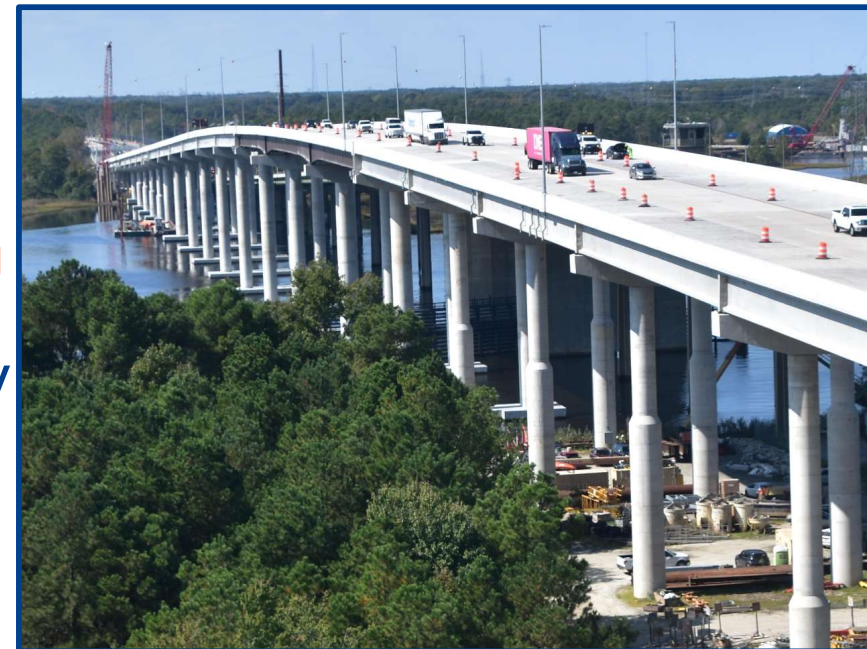
- 8.75 miles of interstate widening (from 4 to 6 lanes)
- New express lane in each direction constructed in the median
- Widen six existing bridges
- Replace Great Bridge Boulevard Bridge (GBBB)
- Construct new High Rise Bridge for I-64-WB traffic
- Convert existing High Rise Bridge for one-way (I-64-EB) traffic

Project Status: Under Construction

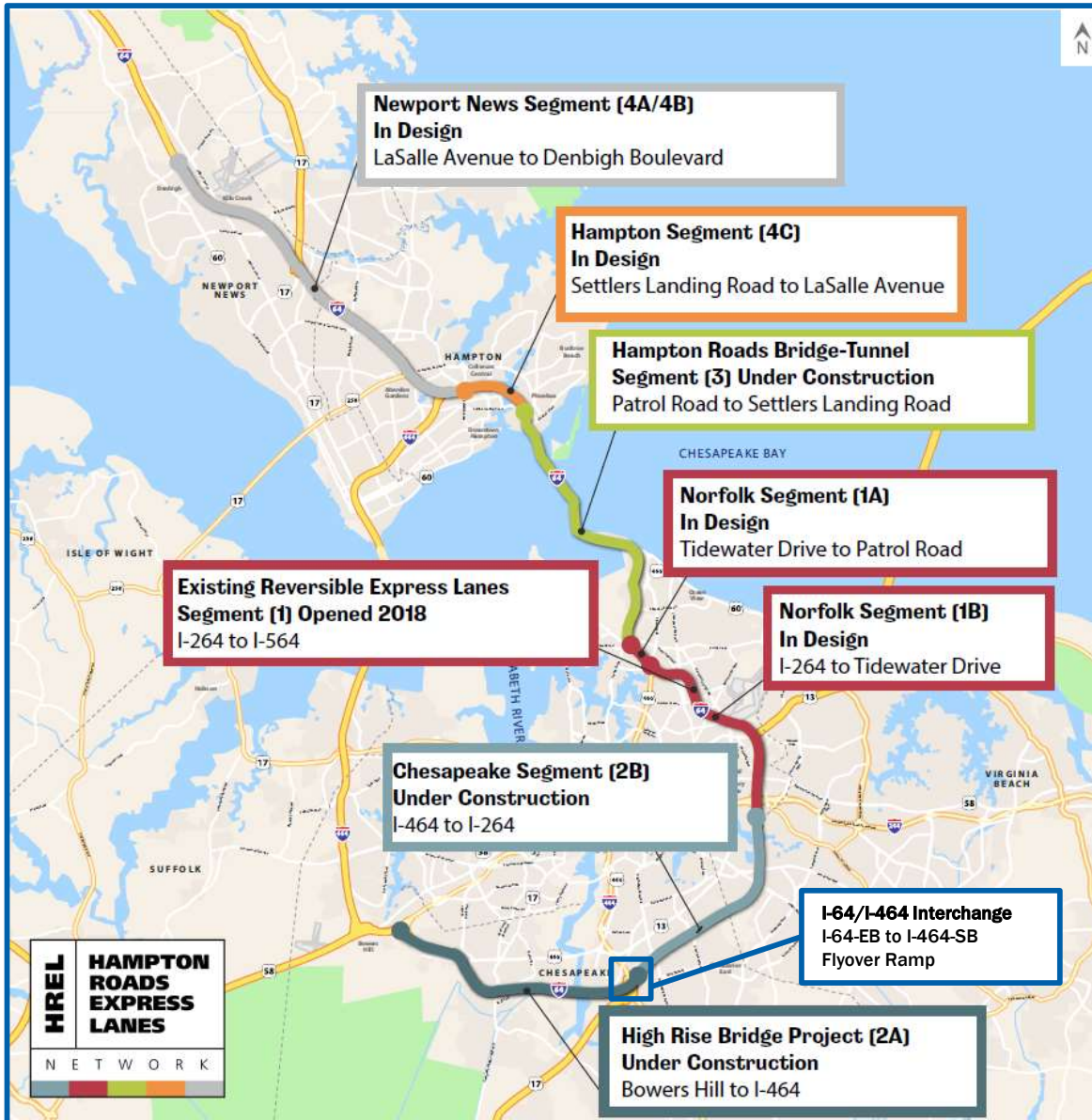
- New High Rise Bridge completed
- GBBB and Bridge widenings completed
- Roadway widening, Existing HRB ongoing

Contractor: Granite-Parsons-Corman, JV

- DB Contract: \$409.6M
- NTP: Nov. 2017
- Completion: Dec. 2022



Hampton Roads Express Lanes Network



Project	Completion
Segment 4A/4B	TBD
Segment 4C	December 2026
Segment 3 (Toll Infr.)	February 2026
Segment 1A	December 2025
Segment 1B	TBD
Segment 2B	Completed
I464/I64 Flyover Ramp	TBD

Total Cost of Projects: \$1,221M

HREL Segment 4A/4B

Project Scope:

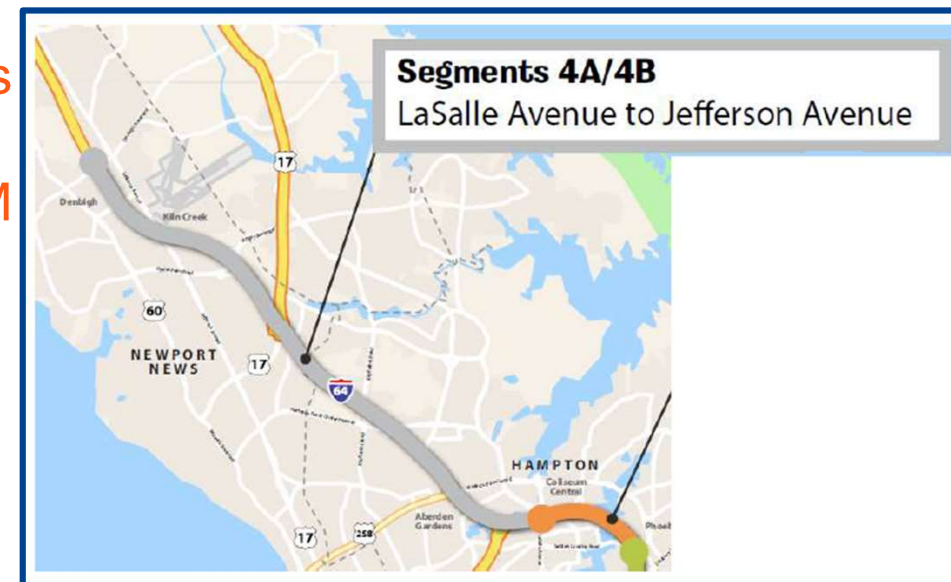
- Converts the 10.5-mile existing HOV lane in each direction into an Express Lane, from west of Jefferson Avenue to I-664.
- Converts 1.5 mile of a general purpose lane into an Express Lane from I-664 to LaSalle Avenue and widens this section of I-64 in each direction to create a buffer between the Express Lane and the General Purpose lane.

Project Status: Under Design

- Design-Bid-Build project
- Acquiring ROW, developing final plans
- Construction advertisement: TBD
- Estimated Project Cost: \$177M

Contract:

- Construction NTP: TBD
- Construction Completion: TBD



HREL Segment 4C

Project Scope:

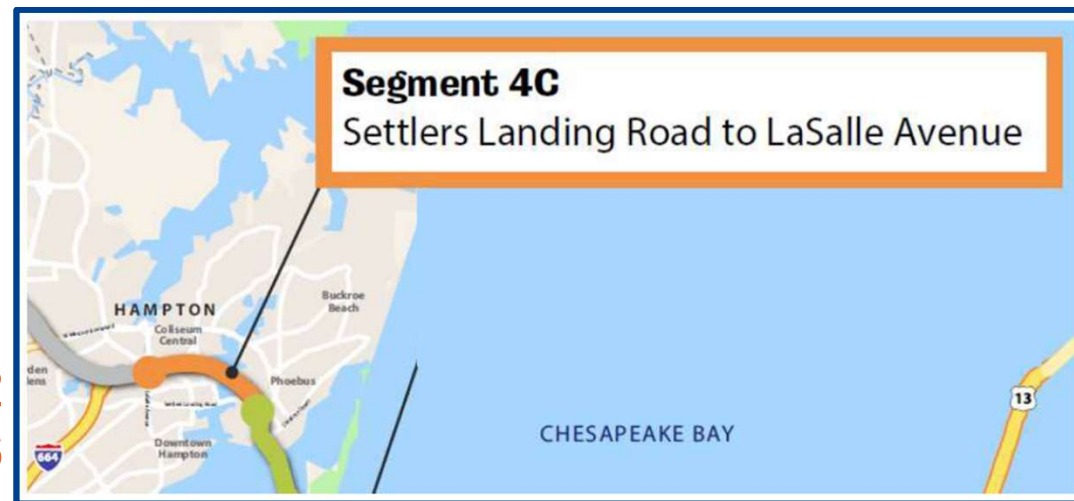
- Widening 2.2 miles of I-64 from 6 to 8 lanes, from LaSalle Avenue to Settlers Landing Road.
- The final roadway will have 2 general purpose lanes and 2 Express Lanes in each direction (to match the proposed roadway section of the widened Hampton Roads Bridge Tunnel).

Project Status: Under Construction

- Field work for Scope Validation ongoing
- Design is underway
- Permit acquisition process is underway

Contractor: Shirley-Branch, JV

- DB Contract: \$313.9M
- NTP: Aug. 2022
- Completion: Dec. 2026



HREL Segment 3 (HRBT Tolling Infrastr.)

Project Scope:

- The Hampton Roads Bridge-Tunnel (HRBT) Expansion project is widening 8.2 miles of I-64 from 4 to 8 lanes, from Settlers Landing Road to Patrol Road. It includes the construction of two new tunnels that will carry the 4 EB lanes, while the 4 WB lanes will travel through the existing tunnels.
- This Segment 3 project adds the tolling infrastructure within the HRBT project limits needed to operate the 2 new express lanes in each direction.

Project Status: Under Design

- Design-Build project
- Developing RFQ plans
- Construction advertisement: May 2024
- Estimated Project Cost: \$19M

Contract:

- Construction NTP: Jul. 2024
- Construction Completion: Feb. 2026



HREL Segment 1A

Project Scope:

- Project extends from Patrol Road to Tidewater Drive (about 2 miles).
- Constructs the transition from the 4 express lanes being built in the HRBT segment to the existing reversible express lanes and to the 2 new inside Part Time Shoulder Express Lanes (PTSEL) – 1 in each direction.
- Each PTSEL opens to traffic when the Reversible Lanes are operating in the opposite direction.

Project Status: Competing Procurement

- Preparing for award, NTP, and kickoff meeting

Contractor: Allan Myers

- DB Contract: \$163.4M
- NTP: Dec. 2022
- Completion: Dec. 2025



HREL Segment 1B

Project Scope:

- Converts the 7-mile inside shoulder in each direction to a Part Time Shoulder Express Lanes (PTSEL), from Tidewater Drive to I-264.
- Each PTSEL opens to traffic when the Reversible Lanes are operating in the opposite direction.

Project Status: Under Design

- Design-Build project
- Developing RFQ plans
- RFQ: TBD
- RFP: TBD
- Estimated Project Cost: \$270M

Contract:

- Construction NTP: TBD
- Construction Completion: TBD



I-64 Express Lanes Segment 2B

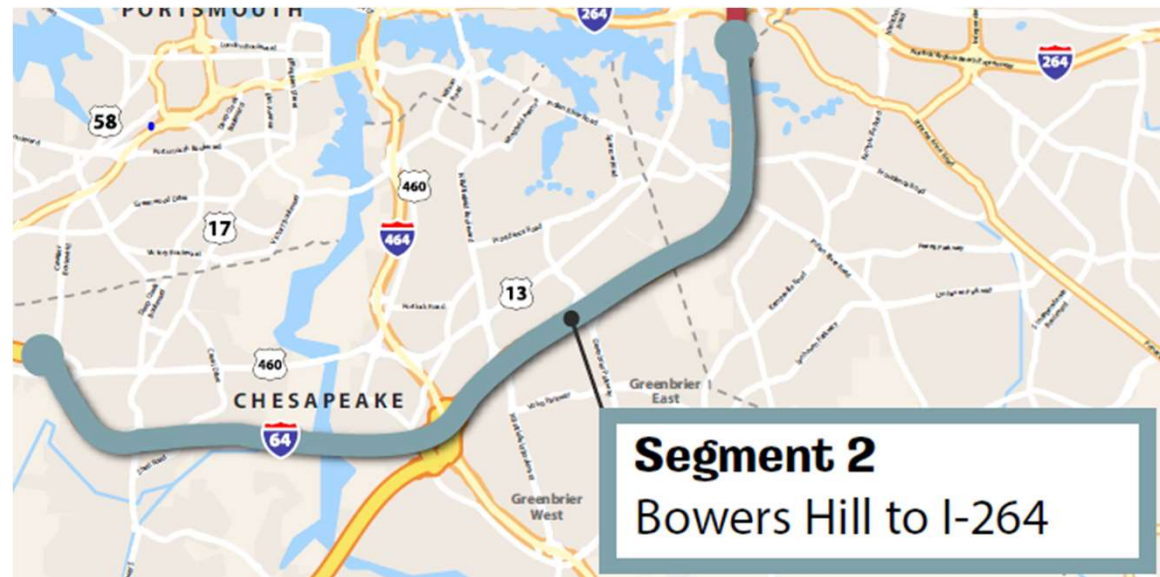
Project Scope:

- Convert 8 miles of existing HOV lanes into one Express Lane in each direction, from I-264 interchange to I-464 interchange
- Install new overhead signs, DMS's, toll gantries, ITS, barriers and guardrail

Project Status: Complete

Contractor: Aldridge Electric

- DBB Contract: \$19.2M
- NTP: Oct. 2020
- Completed: Sep. 2022



I-464/I-64 Exit 291 Ramp Flyover

Project Scope:

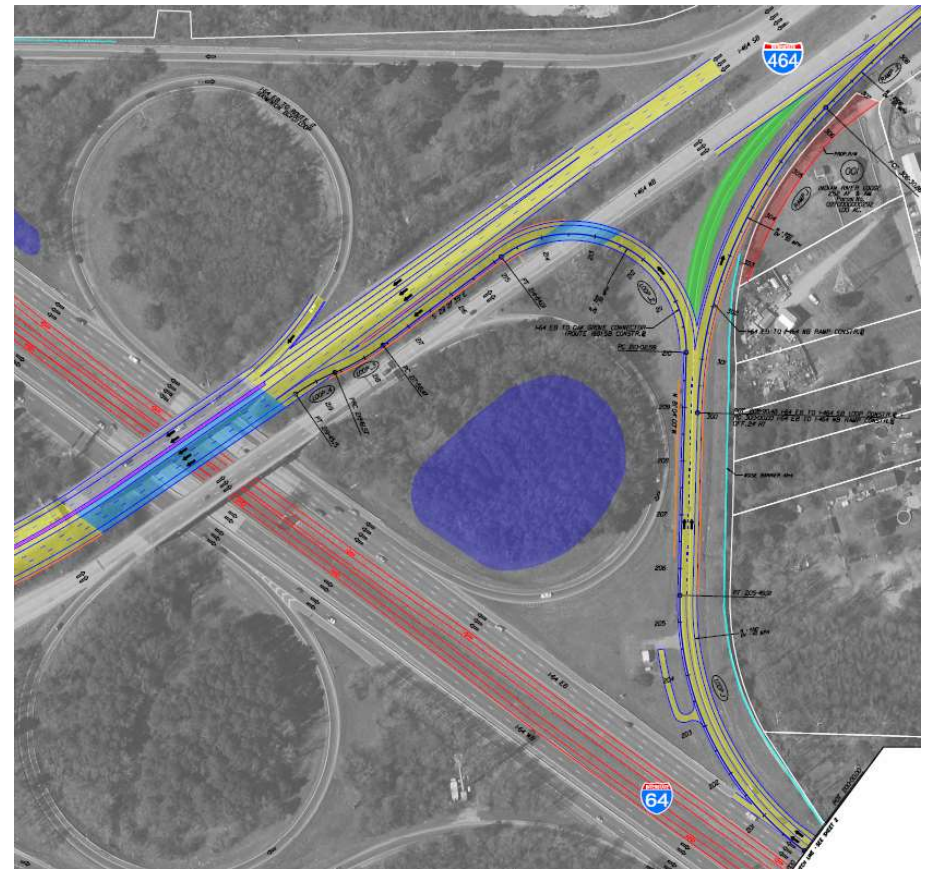
- Widen the off ramp from I-64-WB to I-464-NB to 2 lanes. From the left lane of the widened ramp, add a new ramp for I-64-WB to I-464-SB towards Route 168, including a new flyover ramp over the I-464-NB lanes.
- Widen the I-464-SB bridge over I-64 to the inside to accommodate the added lane from the flyover bridge.

Project Status: Under Design

- Design-Build project
- RFQ plans completed
- RFQ: TBD
- RFP: TBD
- Estimated Project Cost: \$140M

Contract:

- Construction NTP: TBD
- Construction Completion: TBD



DISTRICT ENGINEER'S CLOSING COMMENTS

Christopher G. Hall, P.E., District Engineer

November 30, 2022

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