



NORTHERN VIRGINIA HIGHLIGHTS

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NORTHERN VIRGINIA HIGHLIGHTS

- Transform 66
- 395 Express Lanes
- Recent Project Successes
- Upcoming Projects
- Innovation

Transforming I-66 *Inside the Beltway | Eastbound Widening*

- Fourth lane from Dulles Connector to Exit 71/Fairfax Drive (about four miles)
- Construction underway with new lane opening late 2020
- New bike/ped bridge over Lee Highway for the W&OD Trail in Arlington/East Falls Church, expected completion fall 2020
- New ramp connection from eastbound I-66 to the West Falls Church Metro at Route 7 interchange
- Work underway on eligible noise walls



Looking south on Lee Highway

Transforming I-66 | *Outside the Beltway*

- \$3.7 billion, 22.5 miles of multimodal improvements
- Two express lanes each direction from the Beltway to Route 29 in Gainesville
- Three general purpose lanes each direction
- Median reserved for future transit
- HOV/transit access to express lanes
- Improved park-and-ride options
- Shared-use integrated with existing trails
- \$800 million in transit payments for buses and increased service



Transforming I-66 | *Outside the Beltway*

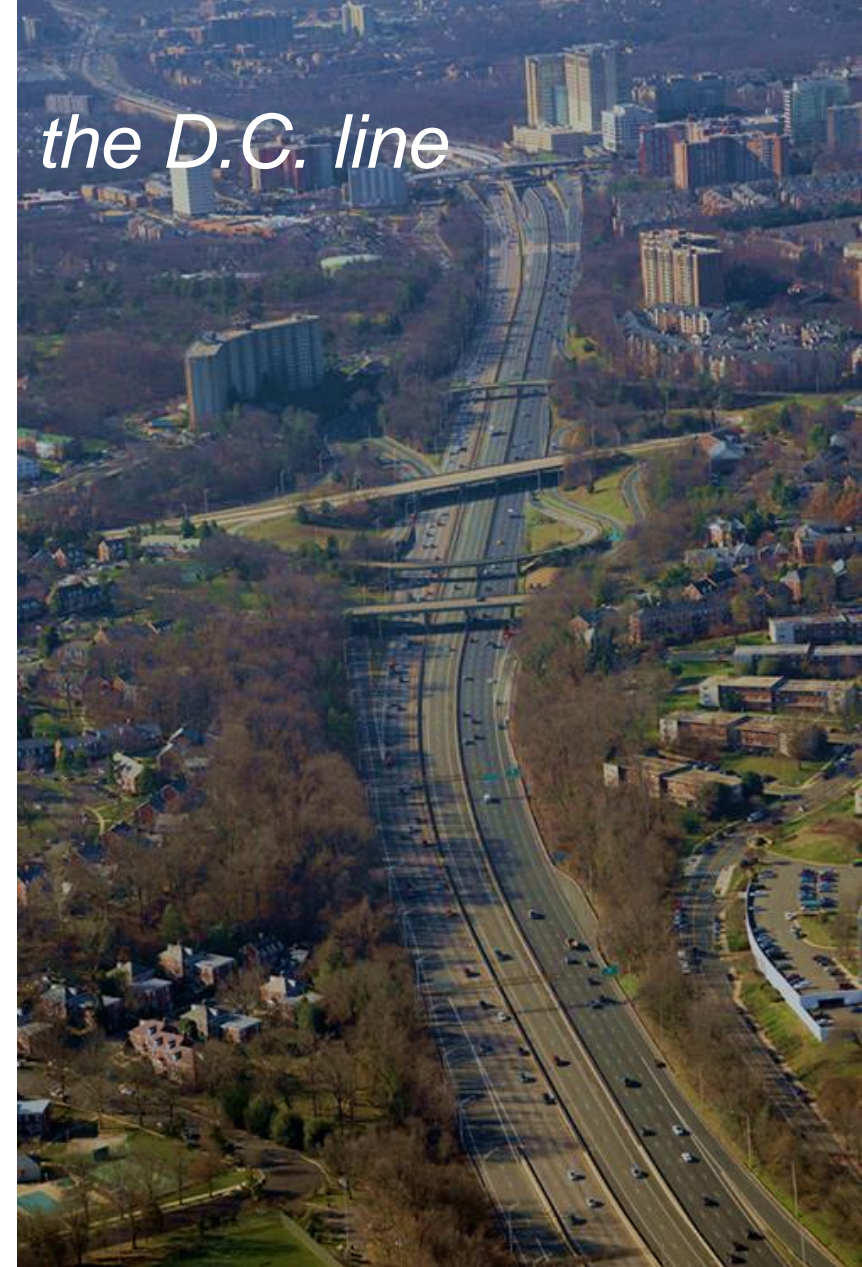


- New University Boulevard Park and Ride in Gainesville opened this month, adding 1,000 spaces
- Traffic shifts in place at Route 28 and Route 123
- Vaden Drive bridge closing through summer 2020
- Construction through 2022



I-395 Express Lanes | *Eight miles north to the D.C. line*

- Three Express Lanes from Edsall Road to 14th Street Bridge open **November 2019**
- Includes widening I-395 south general purpose from Duke Street to Edsall Road
- Reconstructing Eads Street interchange area to improve operations
- Improvements to Pentagon Reservation's South Parking Lot opened in May, with new bus-only travel lanes and reconfigured slug line
- Completion under 2012 Comprehensive Agreement with 95 Express Lanes, LLC



Under Construction / *Northern Virginia*

Currently, VDOT is administering 44 traditional and design-build projects worth \$626 million in Northern Virginia. In the last fiscal year:

- ✓ **92% of VDOT-managed projects completed on-time**
- ✓ **51% ahead-of-time**, saving 637 days from construction-related congestion
- ✓ Met targets for budget, quality, safety and environmental commitments

🏆 **2018 Design/Build Institute of America
National Project of the Year**
I-66/Route 15 Diverging Diamond Interchange

🏆 **2019 DBIA Mid-Atlantic Merit Award**
Route 7/Dulles Toll Road Interchange

🏆 **2019 VTCA Honorable Mention**
Route 606 perimeter road, Dulles Airport



Nearing Completion | *Jones Branch Connector*

- \$58 million link from Jones Branch Drive over the Beltway in Tysons; new direct access to Route 123 and 495 Express Lanes
- Partially opened late 2018, final completion early 2020
- On-street bike lanes, lighted sidewalks
- Relieving congestion at Route 123, I-495 interchange and other intersections
- 32,000 vehicles/day expected 2040
- Federal, state, county funds
- Archer Western



Jones Branch Connector, May 2019

Under Construction | *Route 7 Corridor Improvements*

- Third lane in each direction from Reston Avenue to Jarrett Valley Drive, shared-use and major intersection improvements along seven miles
- Increasing capacity, improving safety and traffic flow, and providing better mobility for cyclists and pedestrians
- New triple left-turn at Baron Cameron Avenue opened late summer 2019
- \$313.9 million project via federal, state, local including SMART SCALE, NVTA

Shirley/Dewberry design-build



Storm pipe along Route 7 in September 2019.

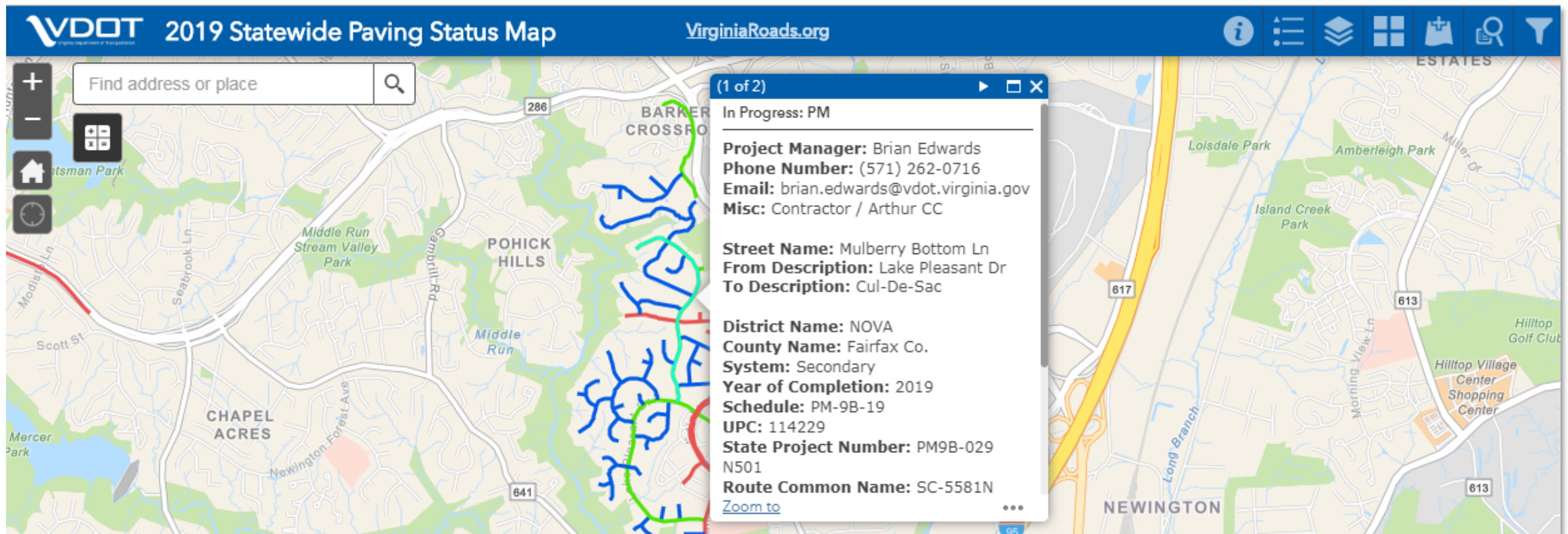
Under Construction | *Route 7/Battlefield Parkway*

- New interchange to increase capacity, improve safety and traffic flow for 100,000+ vehicles a day traveling through this location
- Also removes Cardinal Park Drive signal, adds auxiliary lanes to eastbound Route 7 and shared-use along Battlefield Parkway
- Design-build by Wagman/Parsons, completion Fall 2021
- \$77 million via federal, state, town, county, NVT



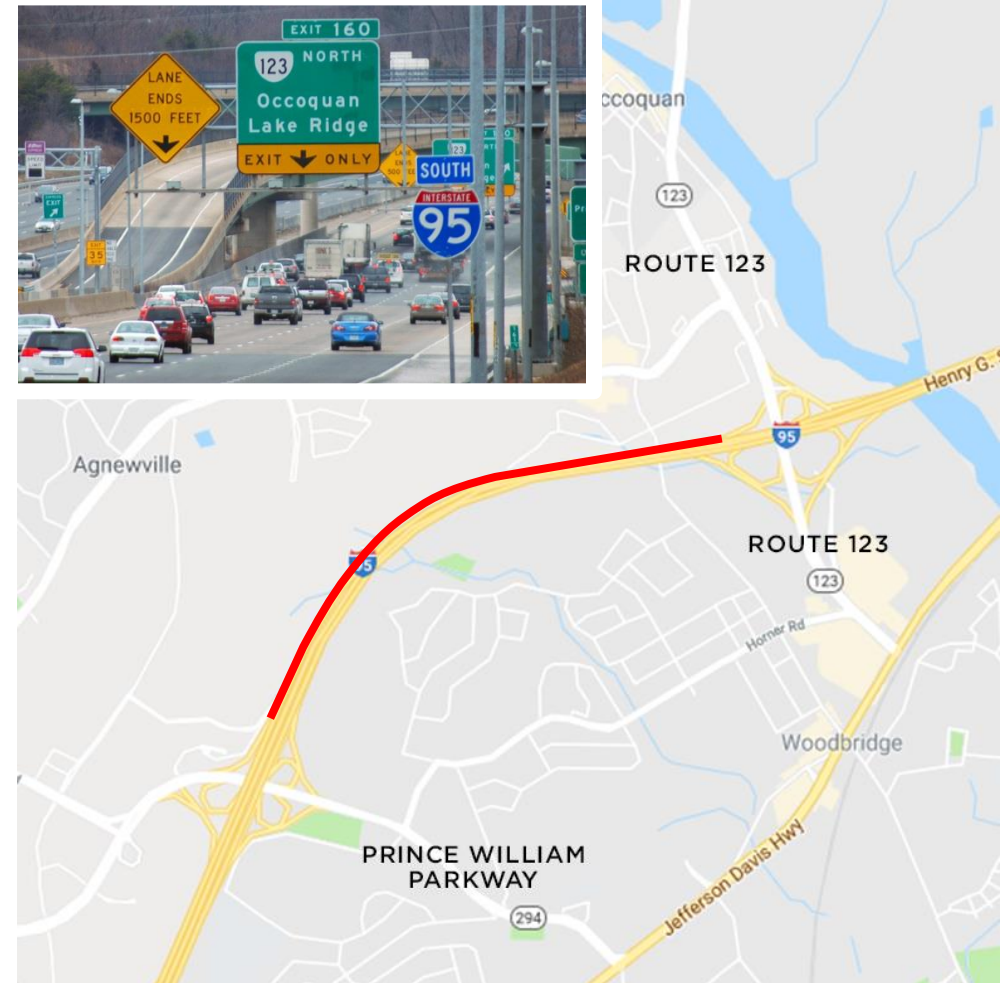
Maintaining Our Pavement | 2019 Program

- Resurfacing close to **1,000 lane miles at about \$106 million**
Entering this paving season, our roads rated in fair or better condition:
Interstates: 86% | Primaries: 88% | Secondaries: 41%



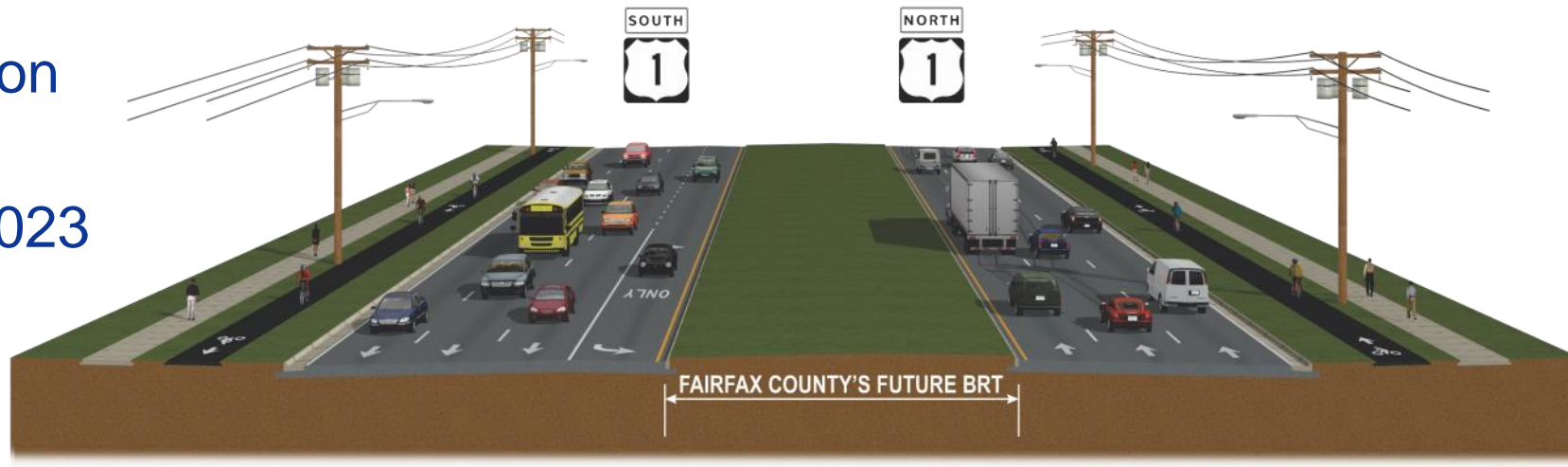
In Development | *I-95 Southbound Auxiliary Lane*

- Project Description
 - Construct a 1.5-mile auxiliary lane on I-95 South between Route 123 (Gordon Boulevard) and Prince William Parkway (Route 294)
- Project Benefits
 - Alleviate pinch points and mitigate congestion in heavily-congested area of I-95
 - Provide safer weaving movements between the on-ramp and off-ramp
 - Noise analysis to identify necessary noise mitigation
 - All improvements within existing VDOT right of way
- \$32 million funded by 95 Express Lanes Concession Fee, State, and Federal Sources
- Anticipate construction from spring 2021 to late 2022



In Development | *Richmond Highway Improvements*

- \$372 million reconstruction to three lanes in each direction from Jeff Todd Way to Sherwood Hall Lane (three miles)
- Reserves current footprint as median for future bus rapid transit (BRT)
- Major intersection improvements and new bike/ped
- \$156 million for right of way and utilities, 40% over overall estimate partially funded via federal, state, county, and NVTa
- Close coordination with Fairfax County for >\$700 million BRT & Embark initiative
- Construction could begin 2023



In Development | *I-495 NEXT*



- Three-mile northern extension of Express Lanes from Dulles Toll Road to vicinity of American Legion Bridge
- In January, Governor and Secretary of Transportation announced agreement with Transurban to invest more than \$1 billion along I-95 & I-495
- VDOT's Environmental Assessment includes study of potential direct connections to George Washington Memorial Parkway. Traffic and environmental studies expected to be complete in early 2020
- To be closely coordinated/compatible with Maryland plans



Innovation at VDOT

An overall plan to address changing work, workforce and workplace

- Transportation innovations that touch citizens directly
- Innovations that improve agency efficiency and safety

Examples of Transformative Innovation

- Connected and Automated Vehicle Program
- Development of Data Science Program
- Cybersecurity improvements

Pilots to test new technologies

- Augmented reality/virtual reality
- Satellite texting devices
- Remote-controlled mowers



Remote mower pilot

