



Sully District Council of Citizens Associations

January 25, 2017

**Susan Shaw, P.E., Megaprojects Director
Virginia Department of Transportation**



Multimodal Solutions - 495 to Haymarket

Transform 66: Outside the Beltway

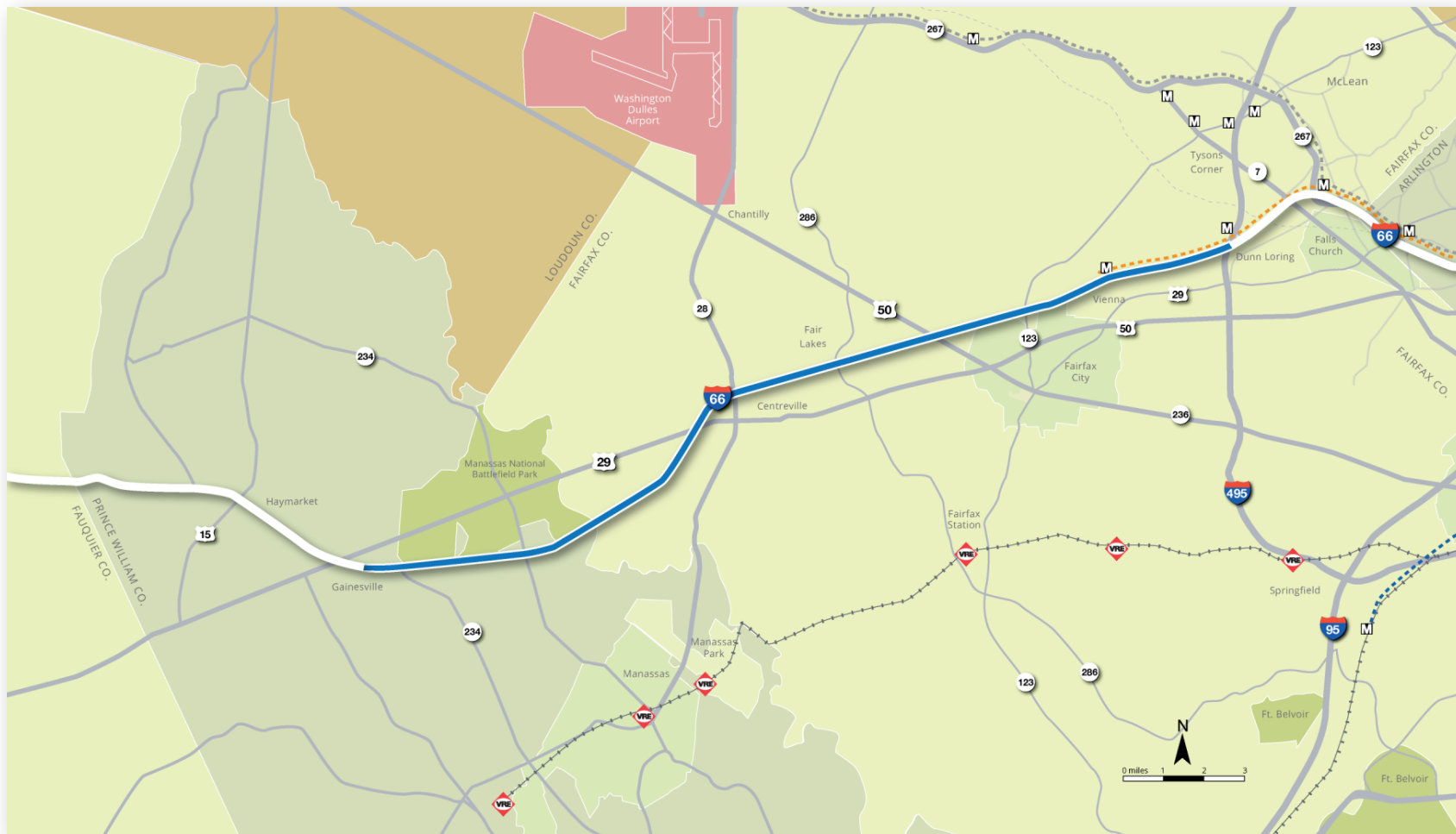
Project Scope

- Multimodal improvements to 22.5 miles of the I-66 Corridor
- 2 express lanes in each direction from I-495 (Capital Beltway) to Gainesville (University Boulevard)
- 3 general purpose lanes in each direction
- New transit service and park-and-ride lots
- Safety and operational improvements at key interchanges



Multimodal Solutions - 495 to Haymarket

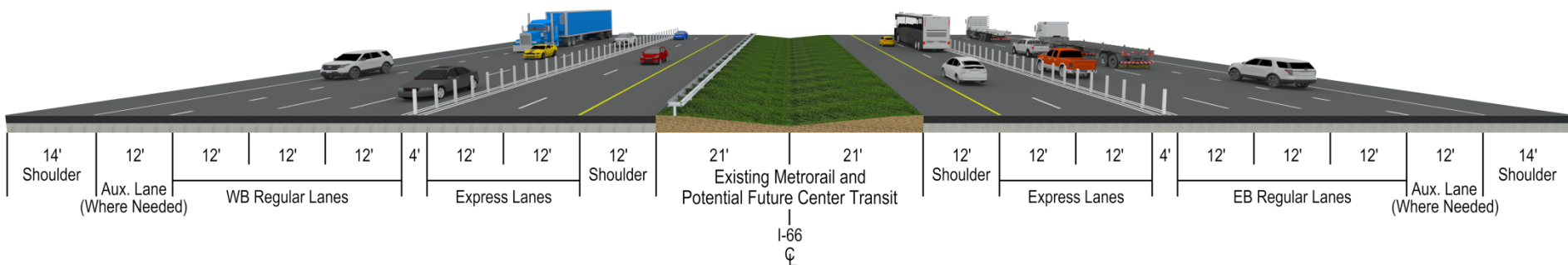
Project Map



Multimodal Solutions - 495 to Haymarket

Cross Section

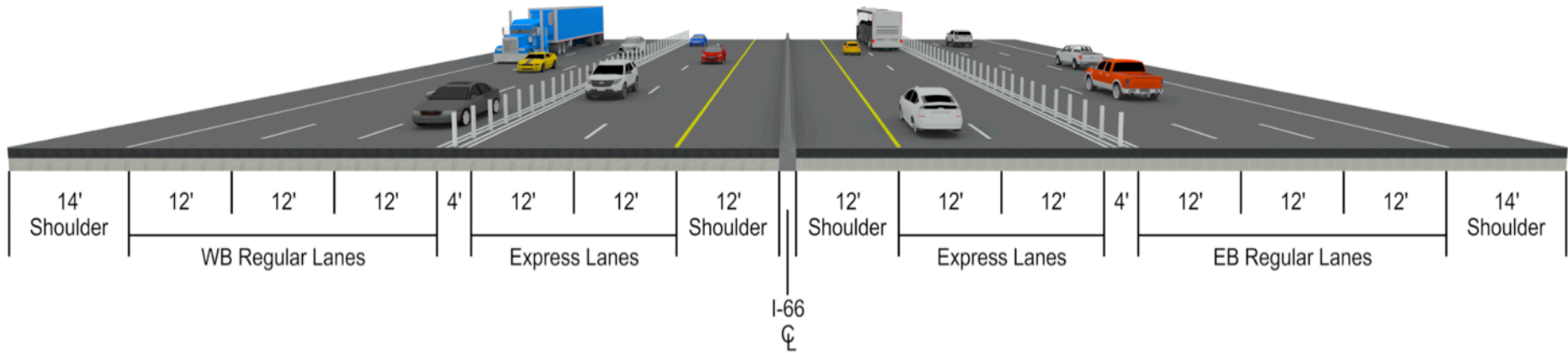
Gainesville to Manassas, Centreville to Beltway



Multimodal Solutions - 495 to Haymarket

Cross Section

Manassas to Centreville



Key Policy Considerations

- **Funding for transit is a requirement**
- **Developer retains the risks for:**
 - Excessive HOV use
 - Limited relief for alternative facilities
- **Alternative Technical Concepts (ATC) desired**
 - Emphasis on innovation and increasing value
 - Reduced scope or cheaper quality not acceptable
- **Minimize negative impact of construction activities**
 - Expedited construction schedule with Liquidated Damages (LDs) for late Project completion
 - Liquidated damages for lane closures
- **No Notice to Proceed (NTP) for construction until the necessary permits are obtained**



Key Business Terms

- **Concession Term:** 50 years
- **Financing:**
 - Developer to finance the Project at its own cost and risk
 - VDOT to provide up to \$600 million public contribution
- **Permits:**
 - VDOT to obtain required NEPA approvals, CTB approvals, and approvals by FHWA of the Comprehensive Agreement and Project Management Plan, as necessary
 - Developer to be responsible for obtaining all other permits and government approvals, and to reobtain any required reevaluation of NEPA approvals as a result of Developer's ATCs
- **Design and Construction**
 - Fixed priced contract
- **Operation and Maintenance (O&M)**
 - Developer to be responsible for O&M of the express lanes, except for snow and ice removal, which will be done by VDOT
 - VDOT to be responsible for operation and maintenance of the general purpose lanes



Preferred Proposer

- **Best value proposal**
- **Express Mobility Partners**
 - **Equity Investors**
 - Cintra Global LTD, Meridiam Infrastructure North American Fund II
 - **Design-Build Contractors**
 - Ferrovial Agroman US Corp, Allan Myers VA, Inc.
- **\$2.3 billion construction project**
- **Provides required transit payments and support of corridor improvements**
- **Will make concession fee payment (\$500M) to Commonwealth**
- **Construction design provides innovative solutions to improve the physical quality and operations of the project**



Other Benefits to the Commonwealth

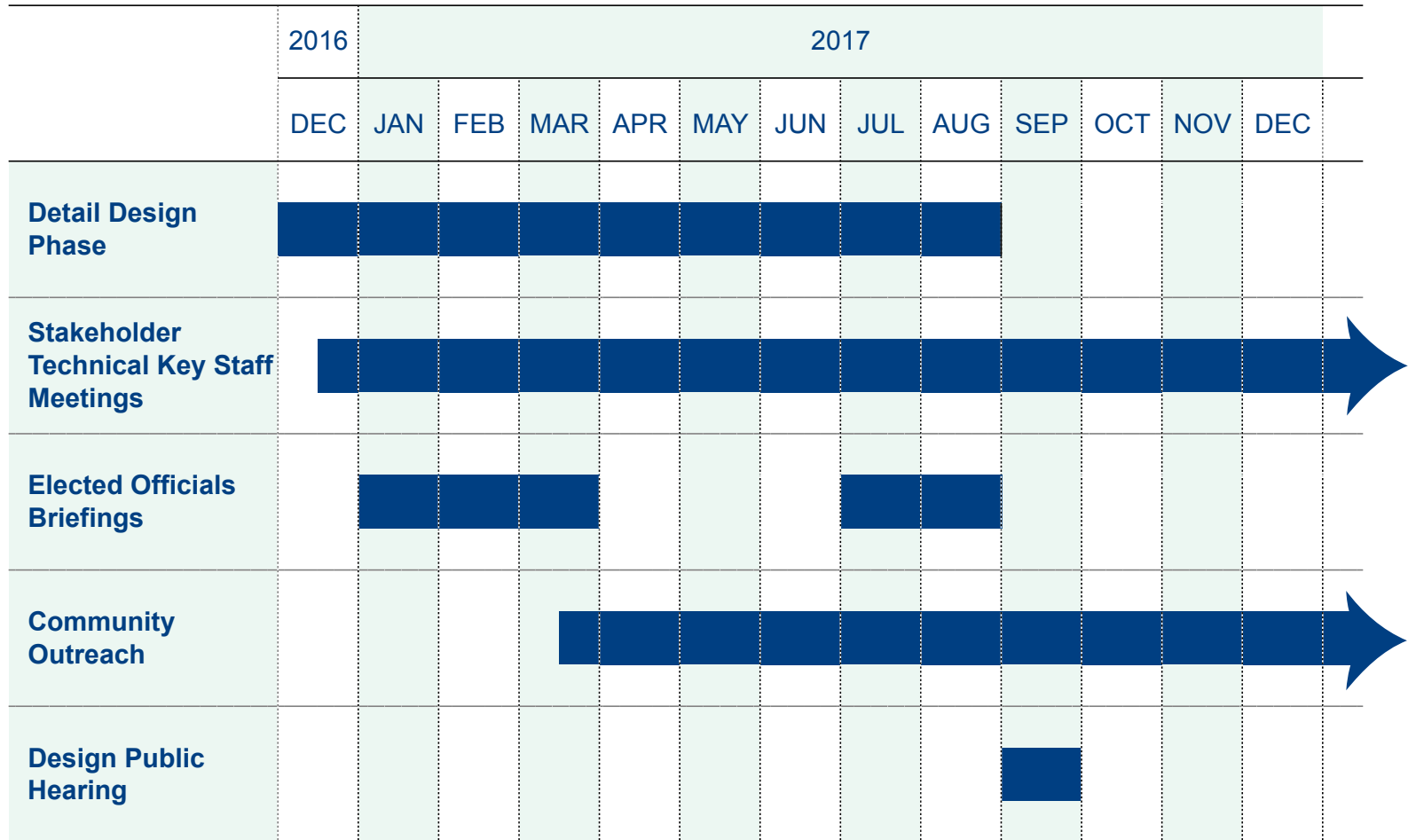
- **\$300M will return to the Northern Virginia Transportation Authority for other key regional projects**
- **\$300M will return to the High Priority Project Program in SMART SCALE for statewide competition**
- **\$500M now available for additional improvements to the I-66 Corridor subject to VA Code requirements (§ 33.2-1528)**



Future Milestones

Milestone	Dates and Schedule
Begin Final Design	January 2017
Design Public Hearing	September 2017
Begin Construction	Fall 2017
Right of Way Acquisition – Offers, etc.	October 2017 – December 2018
Park and Ride Milestone Date (960 Parking Spaces near Gainesville)	March 2019 Subject to NTP for Construction
Route 28 Signalization Date (Remove 4 Traffic Signals from Route 28)	February 2020 Subject to NTP for Construction
Begin Tolling (Service Commencement Date)	July 2022 Subject to Liquidated Damages
Project Completion Date	August 2022 Subject to Liquidated Damages

Planned Outreach and Coordination



Route 28 Interchange 2015 Traffic Volumes

Total Traffic Utilizing the interchange

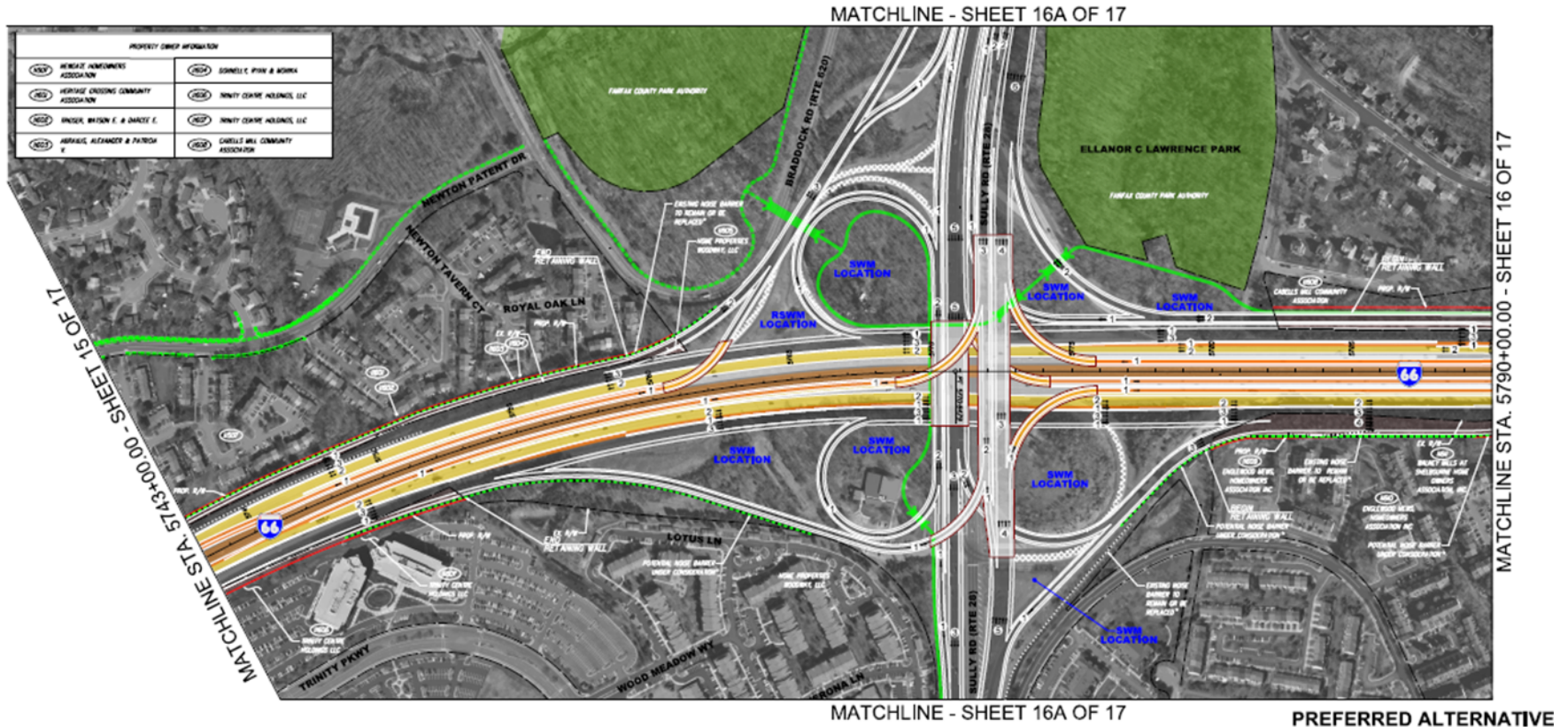
- Route 28 Through Traffic Northbound and Southbound
- Ramps from I-66 to Route 28
- Ramps from Route 28 to I-66

AM Peak Hour = 8,450 vehicles per hour

PM Peak Hour = 9,500 vehicles per hour

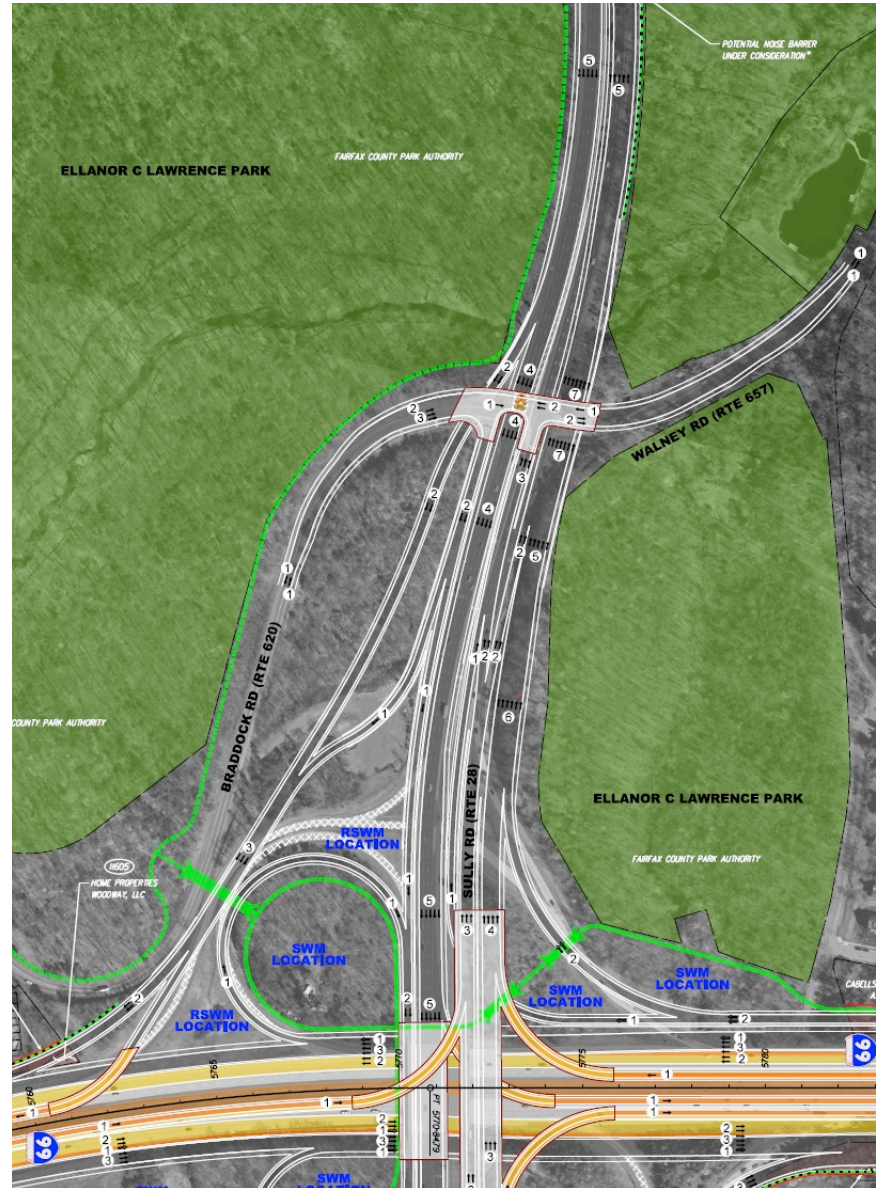


Route 28 Interchange

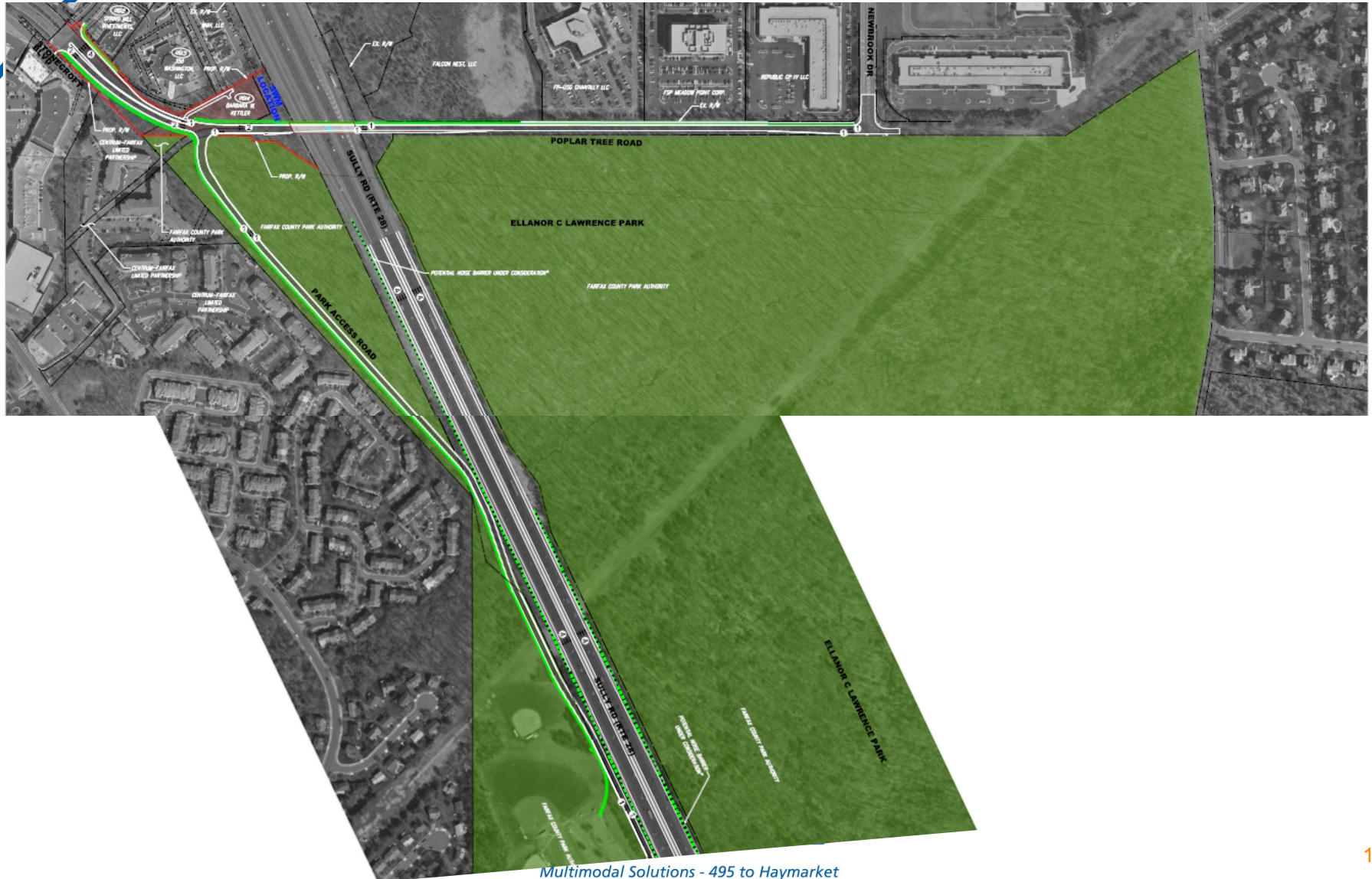


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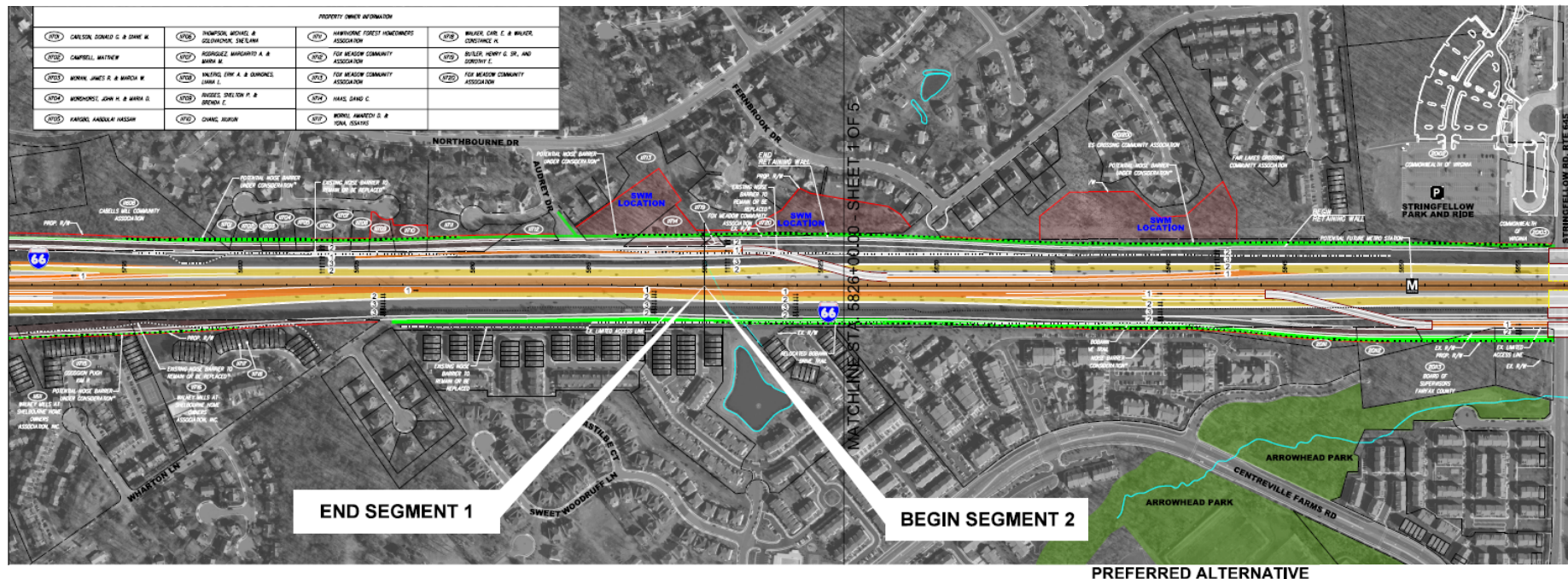
Route 28 Interchange – Braddock Rd / Walney Rd



Route 28 Interchange – Poplar Tree Rd Overpass / Park Access Rd



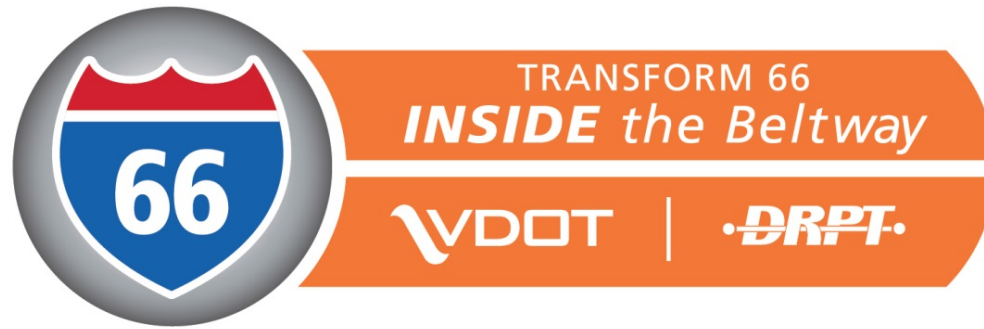
Route 28 Interchange – East Leg



Route 28 Interchange Improvements

- Retains existing movements between Route 28 and I-66 general purpose lanes
- Adds critical access points between Route 28 and new express lanes on I-66
- Removes all four existing traffic signals between Westfields and I-66 along Route 28
- Relocates access to EC Lawrence Park from Route 28 to Stonecroft Boulevard

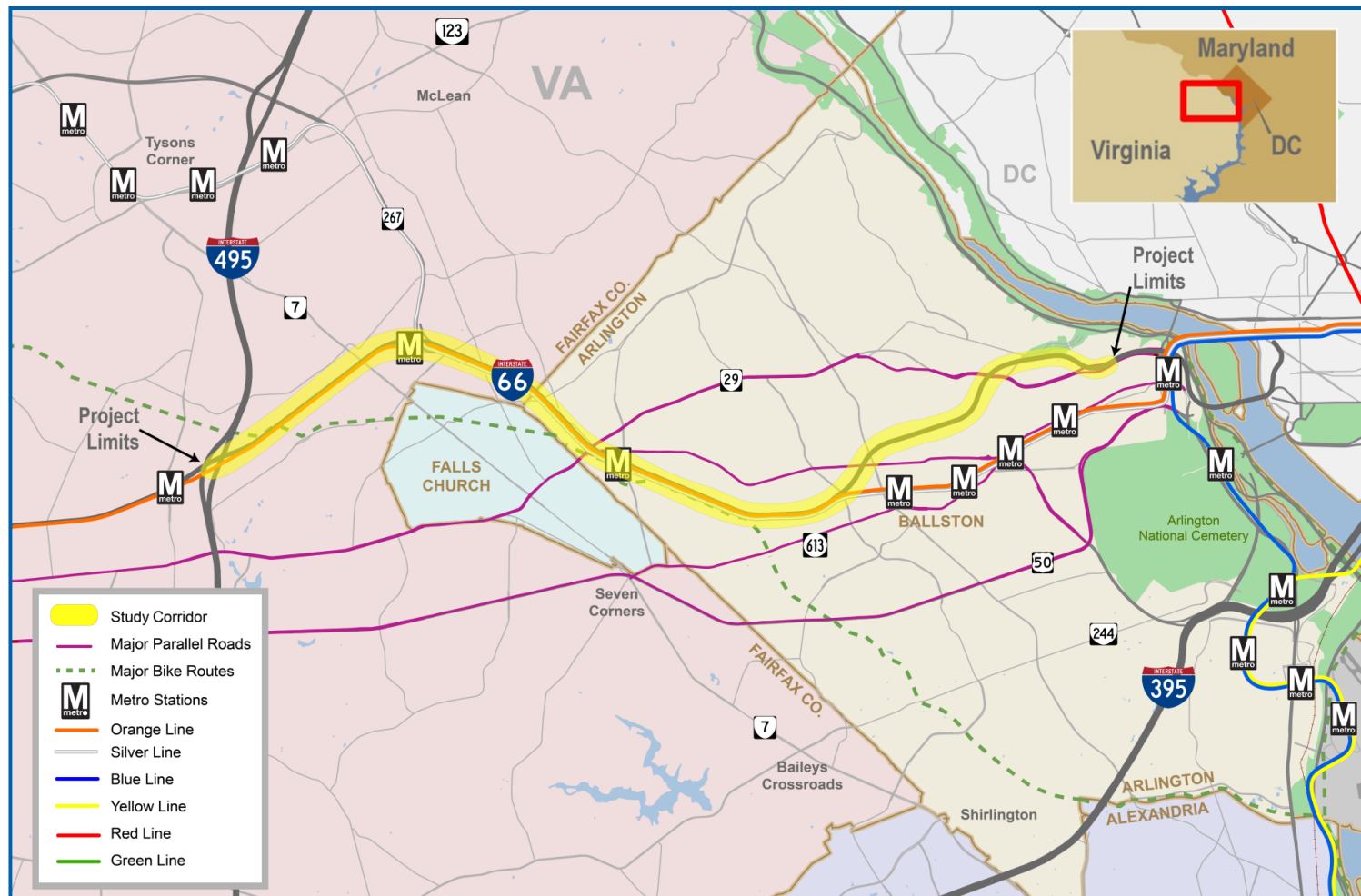




Investing in Multimodal Solutions

Transform 66: Inside the Beltway

Program Area Map



Program Scope

- Tolling during weekdays, peak hours, peak directions
 - Eastbound: 5:30 a.m. – 9:30 a.m.
 - Westbound: 3:00 p.m. – 7:00 p.m.
 - HOV2+ toll free in 2017, HOV3+ toll free when Express Lanes open on I-66 outside the Beltway
 - All vehicles using the lanes during tolling periods must have an E-ZPass or E-ZPass Flex, if they are HOV, mounted in vehicle
- Multimodal improvements benefitting the I-66 Corridor funded by toll revenue
- Widening of I-66 eastbound between the Dulles Connector Road and Fairfax Drive-Exit 71 (approximately 4 miles)
 - Preparing an Environmental Assessment
 - Conducting a Noise Analysis to determine locations of noise walls
 - Tolling will continue through construction

Multimodal Components Update

Commonwealth Transportation Board approved 10 projects totaling \$9.8 million in July 2016

Projects are expected to be operational by the time tolling begins in 2017

Approved projects include:

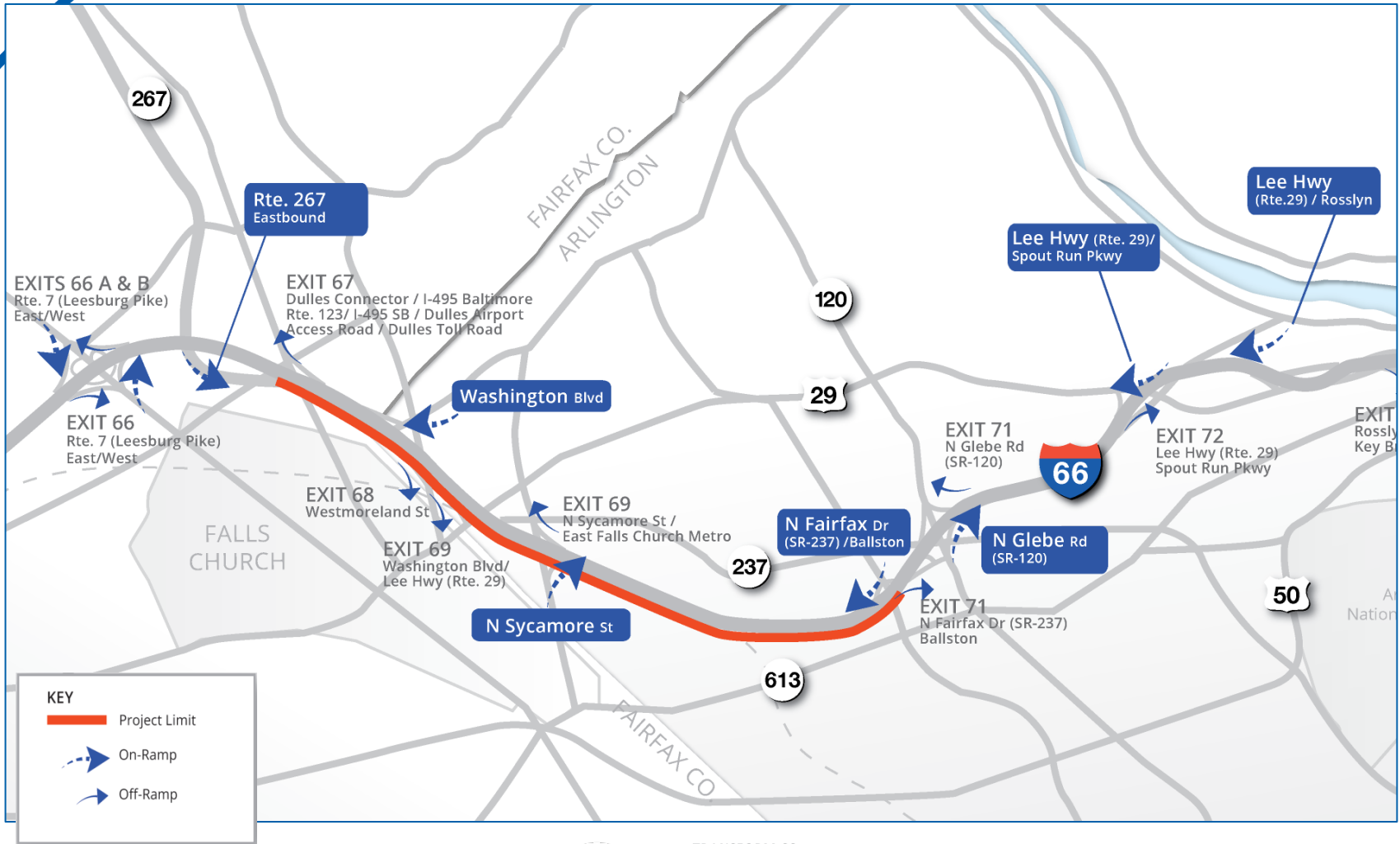
Transform 66 Multimodal Component Name	Funding Request
Fairfax Connector Express Service from Government Center to State Department/Foggy Bottom	\$3,336,836
★ Loudoun County Stone Ridge Enhanced Transit	\$1,940,939
Peak Period Service Expansion to Metrobus Route 2A, Washington Blvd-Dunn Loring	\$1,000,000
★ PRTC Gainesville to Pentagon Commuter Service	\$887,900
Loudoun County Transportation Demand Management	\$623,000
Expanded Transit Access, Through Capital Bikeshare	\$500,000
Bus Stop Consolidation and Accessibility Improvements	\$462,000
Peak Period Service Expansion to ART Bus Route 55	\$450,000
Expanded TDM Outreach to the I-66 Corridor	\$350,000
Multimodal Real-Time Transportation Information Screens	\$250,000



Investing in Multimodal Solutions

★ underway

Eastbound Widening Map



Eastbound Widening Project Schedule

Activities	Dates
Revised Environmental Assessment and Federal Highway Administration Decision	Early 2017
Begin Tolling and Implement Initial Multimodal Projects	Mid 2017
Award Design-Build Contract	Late 2017
Begin Construction	Mid 2018
Open New Eastbound Lane	Mid 2020



THANK YOU

[Transform66.org](https://transform66.org)