



Virginia Department of Rail and Public Transportation

# I-95/I-395 Transit/TDM Study

FAMPO Technical Committee

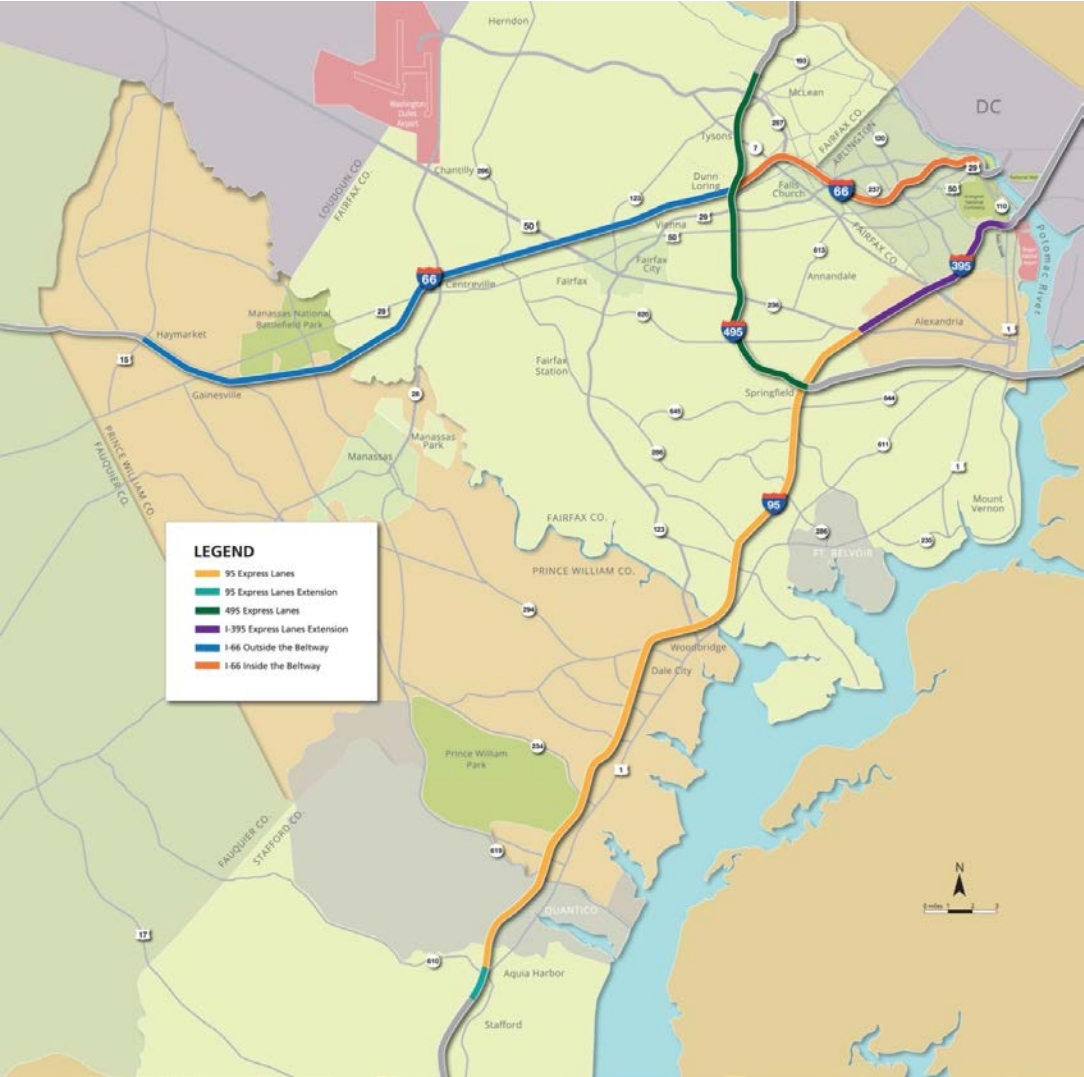
May 9, 2016

Fredericksburg, Virginia

**Todd Horsley**  
Director of NOVA  
Transit Programs

**Tim Roseboom**  
NOVA Transit  
Planning Manager

# Northern Virginia Express Lane Network



# Regional Express Lane Network



- By 2021, an 84-mile seamless network of express lanes will provide faster and more reliable trips for drivers, carpoolers, and transit and vanpool users in Northern Virginia
  - **I-95 Express Lanes (operational) with 2-mile Southern Extension (planned)**
  - **I-495 Express Lanes (operational)**
  - **I-395 Express Lanes Northern Extension (planned)**
  - **Transform 66: Inside the Beltway (planned)**
  - **Transform 66: Outside the Beltway (planned)**
- Commonwealth goal is to maximize person throughput, not vehicle throughput, in the Express Lane project corridors
- Guaranteed funding for Multimodal Solutions from toll revenues is a Commonwealth priority for all of the current projects that will expand the Regional Express Lane Network in Northern Virginia
- Benefits of Multimodal Improvements include:
  - **Improved mobility along the project corridors**
  - **New, diverse travel choices**
  - **Enhanced transportation safety and travel reliability**

# I-395 Express Lanes Northern Extension Agreements



- The Comprehensive Agreement executed in 2012 with 95 Express Lanes, LLC. (95 Express) for the 95 Express Lanes contemplated the potential future development of northern Express Lanes along the I-395 corridor
- In November 2015, VDOT and 95 Express signed a Development Framework Agreement (Agreement) outlining the Parties initial roles and responsibilities in developing the I-395 Express Lanes Project
- The intent of the Agreement is to advance the I-395 Project as a Concessionaire Project Enhancement under the structure of Section 12.06(a) of the Comprehensive Agreement.
- The Agreement states that:
  - Improvements are to be built largely within VDOT's existing Rights of Way
  - Parties will work together to finalize the scope, finance plan and agreement
  - Project will provide long-term transit investment through an annual transit payment (to be escalated)

# I-395 Express Lanes Northern Extension Project Scope



- The Framework Agreement between VDOT and 95 Express defines the scope of the I-395 Express Lanes Northern Extension project as follows:
  - **Expand and convert the two existing reversible High Occupancy Vehicle (HOV) lanes on I-395 to three managed High Occupancy Toll (HOT) or Express Lanes for approximately eight miles along I-395 from north of Edsall Road to Eads Street near the Pentagon**
  - **Install an Active Traffic Management System**
  - **Install signage and toll systems**
  - **Provide improved connections between the proposed I-395 Express Lanes and Eads Street**
  - **Provide sound walls**
  - **Conduct Transit/TDM study**

# VDOT & DRPT Responsibilities



- Planning/Environmental Approvals - **VDOT**
  - Inclusion in MWCOG Transportation Planning Board's Constrained Long Range Plan (CLRP)
  - Public Outreach
  - Environmental Assessment and supporting technical studies
  - Draft Environmental Assessment anticipated late Summer 2016
- Interchange Modification Report (IMR) - **VDOT**
- Preliminary Sound Wall Work - **VDOT**
- Federal/State/Local Agency Coordination – **VDOT & DRPT**
- Transit/TDM Study - **DRPT**

# Responsibilities of 95 Express

- Preliminary Engineering and Design
- Cost Estimating
- Finance Plan
- Design-Build Procurement
- Community Outreach for I-395 Express Lanes Northern Extension
- Annual Transit Payments to Commonwealth (to be escalated annually)



# Annual Transit Investment



- Guaranteed Annual Transit Investment payment from new I-395 Express Lane toll revenues to the Commonwealth for multimodal improvements along the I-95 and I-395 corridors
- Amount of Annual Transit Investment has not yet been determined
  - **Traffic & Revenue Studies are currently underway**
  - **Amount to be negotiated with I-95 Express**
  - **Preliminary estimates available in September 2016**
- Annual Transit Investment will escalate each year
- Funding from tolls on new I-395 Express Lanes only
- Multimodal Improvements funded with Annual Transit Investment must benefit toll payers
  - **Potential multimodal improvements to be identified in I-95/I-395 Transit/TDM Study**



# Transit/TDM Study



- DRPT is leading the development of a new I-95/I-395 Transit/Transportation Demand Management (TDM) Study in coordination with Key Stakeholders:

City of Fredericksburg	City of Alexandria
Prince William County	Arlington County
Spotsylvania County	Fairfax County
Stafford County	VRE
PRTC	NVTC

- Study will identify transit services and TDM program enhancements that can be funded by the Annual Transit Investment payments
- Key Stakeholder Group **will not** make decisions on projects to be funded by Annual Transit Investment payments
- Commonwealth will make a future determination regarding who will ultimately make decision on projects to be funded by Annual Transit Investment payments

# Transit/TDM Study



- Projects eligible for funding will increase mobility and person throughput along I-95 and I-395 and must benefit toll payers in the I-395 corridor
- Types of projects that will be eligible for funding include new bus and rail service, park-and-ride lots and TDM program enhancements
- Study area will extend the entire length of the I-95/I-395 network of Express Lanes from the Eads Street interchange in Arlington to the end of the current I-95 Express Lanes in Stafford County and will include parallel commuting corridors, routes and modes of transportation
- Consulting team of KFH Group and Cambridge Systematics will coordinate development of the I-95/I-395 Transit/TDM Study with DRPT and the the Key Stakeholder Group
- Study must be complete by December 2016

# Transit/TDM Study Scope of Services



- Task Item 1: Data Collection/Assembly and Study/Plan Review
- Task Item 2: Detailed Work Program
- Task Item 3: Regional Stakeholder Committee Meetings
- Task Item 4: Public/Agency Outreach and Participation Program
- Task Item 5: Baseline Conditions and Needs Assessment
- Task Item 6: Transit/TDM Recommendations
- Task Item 7: Testing and Refinement of Transit/TDM Recommendations
- Task Item 8: Transit/TDM Demand Forecasting and Traffic/Mode Diversion Analysis
- Task Item 9: Sensitivity Analysis
- Task Item 10: Park and Ride Lot Analysis
- Task Item 11: Cost/Revenue/Subsidy Projections
- Task Item 12: Potential Investment Strategies
- Task Item 13: Final Report

# Transit/TDM Study Key Dates

- Consultant task order issued April 4, 2016
- Key Stakeholder Group meetings every three weeks through December (previously met on April 13 in Arlington & May 3 in Woodbridge)
  - **Next meeting is May 24 in Fredericksburg**
- 2-3 rounds of public outreach during summer, fall and winter
- Draft report due November 15, 2016
- Final Report due December 15, 2016



# Transit/TDM Study Schedule

## I-95/I-395 Transit/TDM Plan – Project Schedule

