



I-495 EXPRESS LANES NORTHERN EXTENSION (495 NEXT)

Virginia Department of Transportation

NVTA

November 12, 2020

Presentation Topics

- Project Overview
- Environmental and Traffic Assessment Findings
- Public Outreach
- Concerns Identified
- Project Delivery – Partnership with Transurban
- Regional Coordination with Maryland
- Schedule and Next Steps



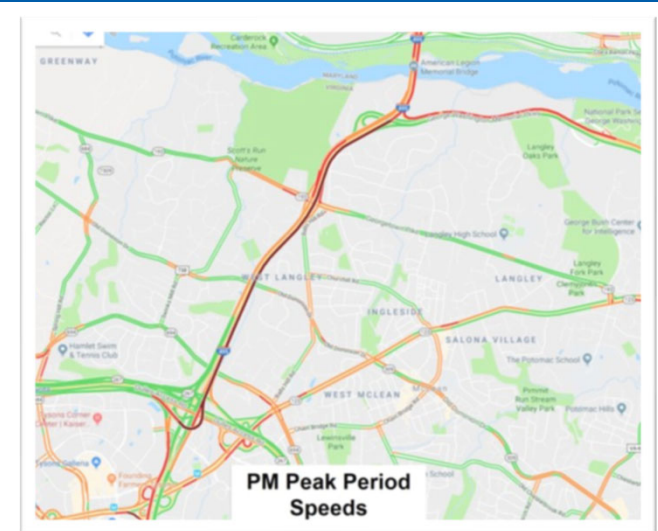
Project Overview

■ Scope

- Extend the 495 Express Lanes by approximately three miles from the I-495 and Dulles Toll Road interchange to the George Washington Memorial Parkway in the vicinity of the American Legion Bridge
- Replace existing bridges
- Add bike and pedestrian trails
- Replace existing noise walls and construct new walls where needed
- Provide stormwater management facilities

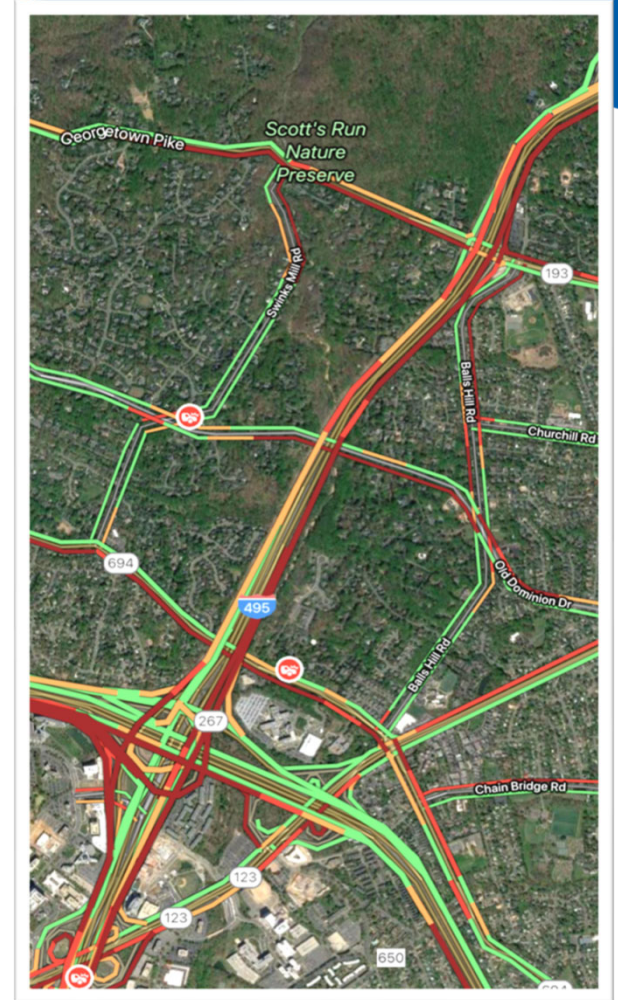
■ Goals and Objectives

- Reduce congestion
- Provide additional travel choices
- Improve travel reliability
- Enhance safety



Project Benefits

- Adds new capacity
- Provides new travel choices
- Decreases travel times during peak periods
- Reduces cut-through traffic on local roads
- Improves safety in the study area by:
 - Taking cars off local roads
 - Reducing the weaving needed to access the George Washington Memorial Parkway



Traffic Analysis Results

Move More People

- **2045:** Moves 7,600 more people per hour in both directions combined
- **2025 with Maryland Managed Lanes System:** Moves 5,400 more people per hour in both directions combined
- **2025 Prior to Maryland Managed Lanes System:** Moves 2,500 more people per hour in both directions combined

Reduces Cut-Through Traffic on Local Roads



Improves Travel Reliability

2025 Prior to Maryland Project

- A 5 to 24 minute decrease in travel time on the northbound I-495 express lanes
- A 4 to 6 minute increase in travel time on the northbound general purpose lanes

2025 With Maryland Project

- A 4 to 5 minute decrease in travel time on the northbound I-495 express lanes
- A 3 to 4 minute decrease in travel time on the northbound I-495 general purpose lanes

Public Outreach

Public Meetings and Public Hearings

- Public Meeting # 1 (June 11, 2018) – 70 attendees
- Public Meeting # 2 (May 20, 2019) – 225 attendees
- Question & Answer Session #1 (September 28, 2020) – 96 attendees
- Question & Answer Session #2 (September 30, 2020) – 85 attendees
- Public Hearing # 1 (October 5, 2020) – 170 attendees
- Public Hearing # 2 (October 8, 2020) – 25 attendees – **Comment period closes on 12/4/2020**
- **Joint Public Meeting DRPT and VDOT– Transit Study, 495 NEXT: November 18**
- **Elected Officials (16 meetings in 2020)**
- **Stakeholders and Agencies (29 meetings in 2020)**
- **Property Owners One-on-One Meetings (21 meetings in 2020)**
- **Homeowner's Associations (5 meetings in 2020)**
- **November 2020 Meetings with HOAs and Civic Associations (McLean, Great Falls, Tysons, etc.)**

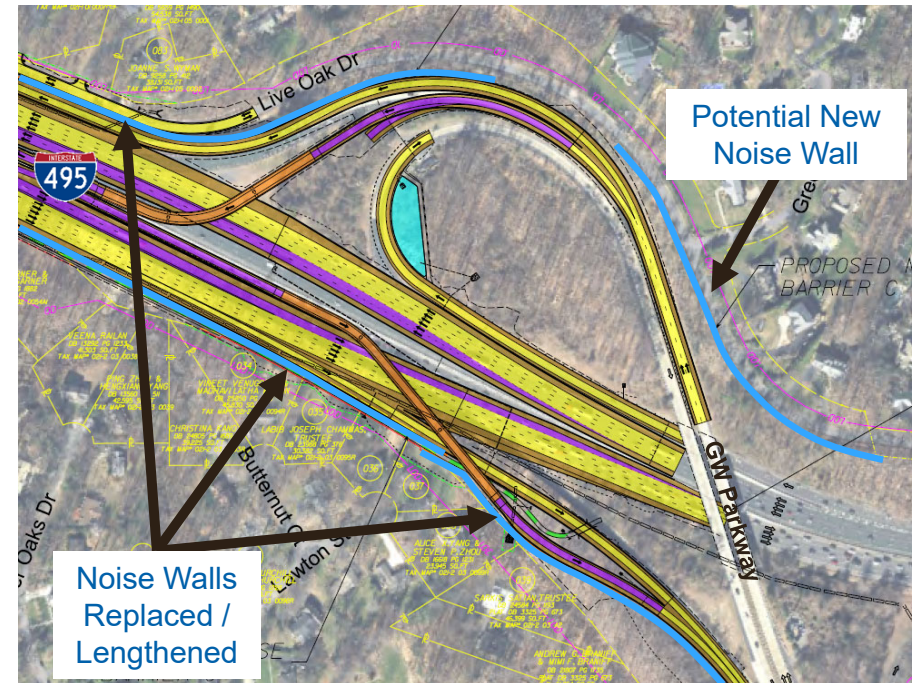
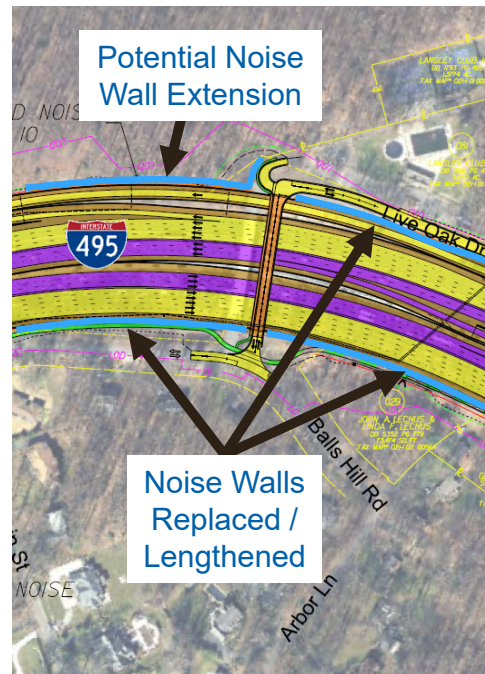
Primary Concerns Expressed During Public Meetings and Public Hearings

- **Bicycle Trail**
 - Shared-use path behind the noise wall between Lewinsville Road and Live Oak Drive
 - Privacy and security concerns (need for fence)
- **Impacts to Trees**
 - Approximately 35 acres anticipated to be affected by Phase I construction
- **Impact to Scotts Run**
 - Partnering with Fairfax County to provide outfall enhancements
 - Potential collaboration with Fairfax County stream restoration projects
- **Noise Walls**
- **Impacts of COVID-19**
- **Modifications to the Dulles Toll Road Interchange**

Concerns Identified: Noise Walls

Preliminary noise wall study results:

- 9 existing walls to be replaced at same elevation or higher
- 3 of 9 existing walls lengthened
- 1 new wall



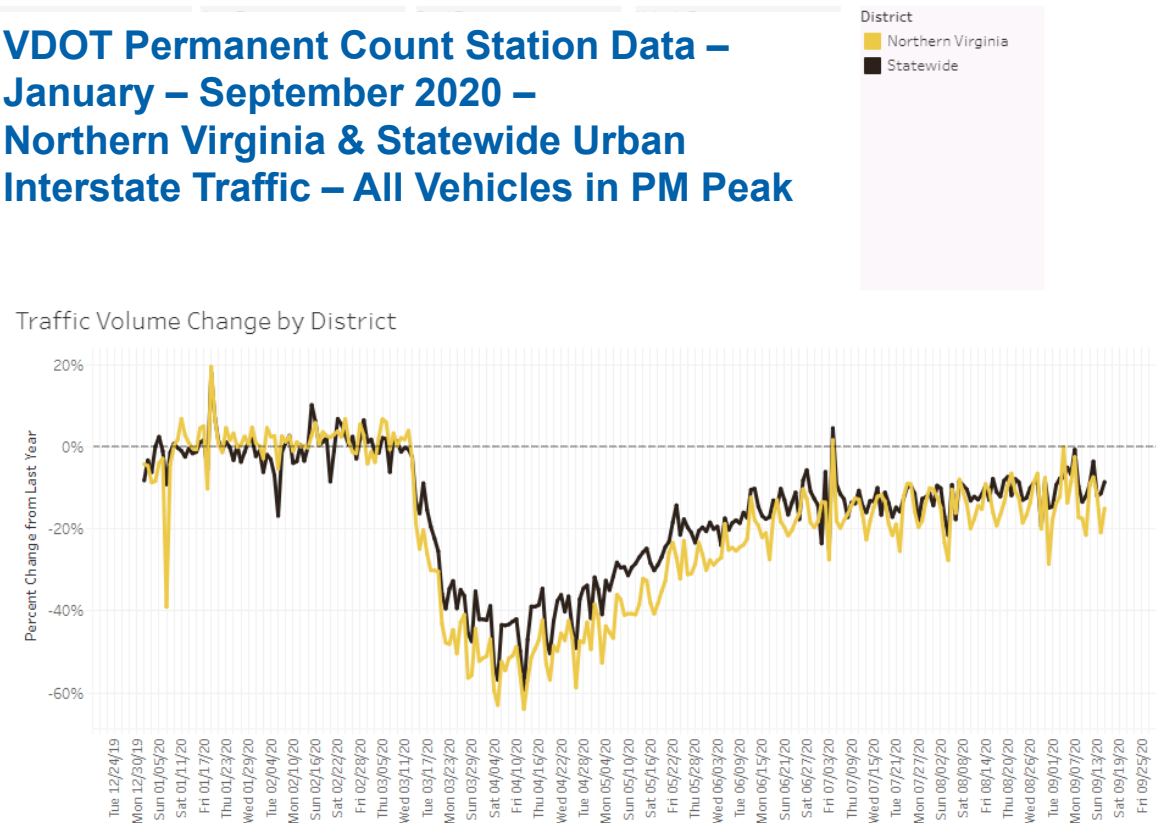
Examples of noise wall locations near Live Oak Drive and George Washington Memorial Parkway

If you have a noise wall today, you'll have one in the future

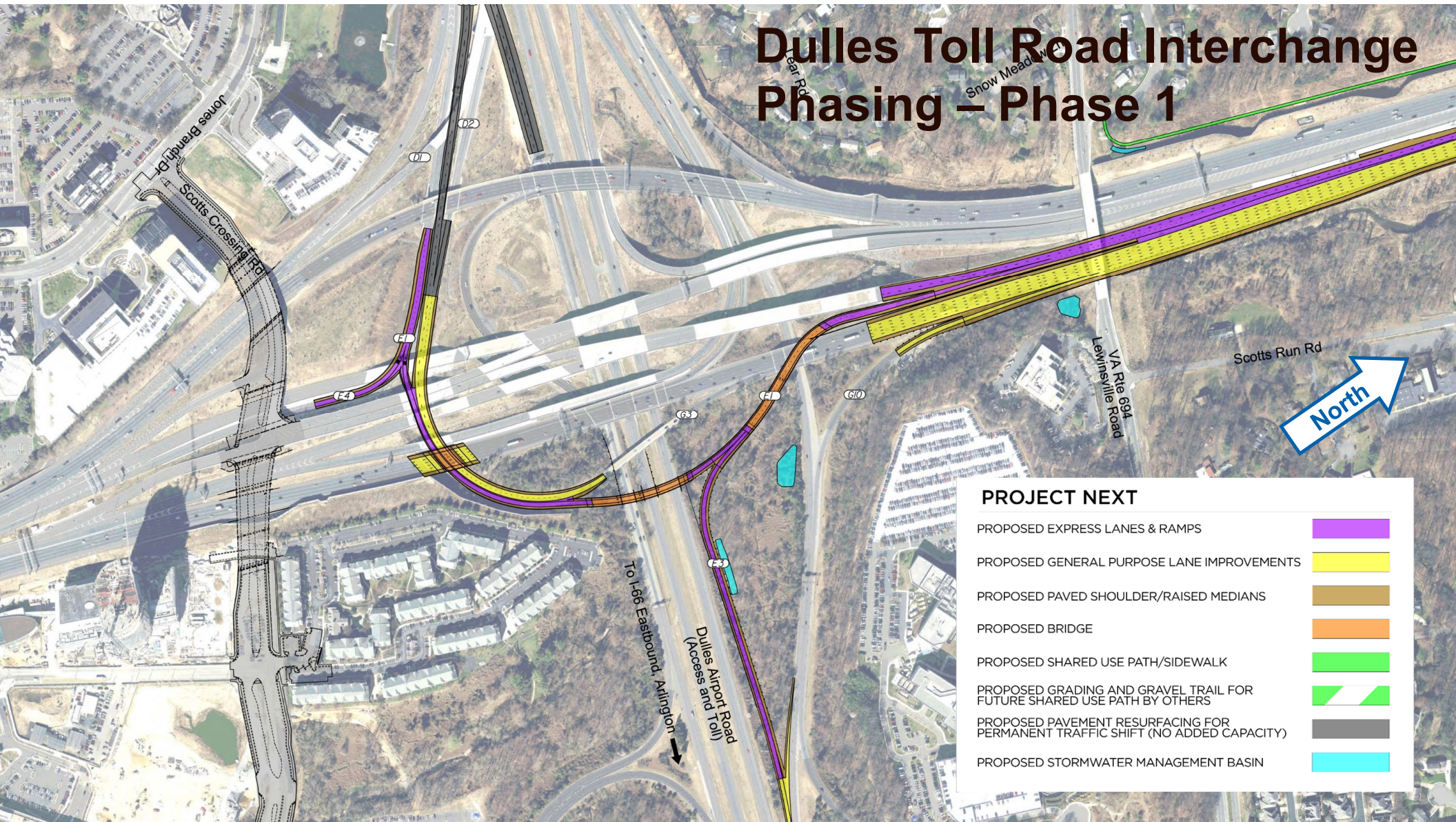
Concerns Identified: Impacts of Covid-19

- Current traffic at 80% to 90% of pre-Covid levels
- VDOT conducting sensitivity analyses to assess the impacts of Covid-19 on future traffic in the corridor

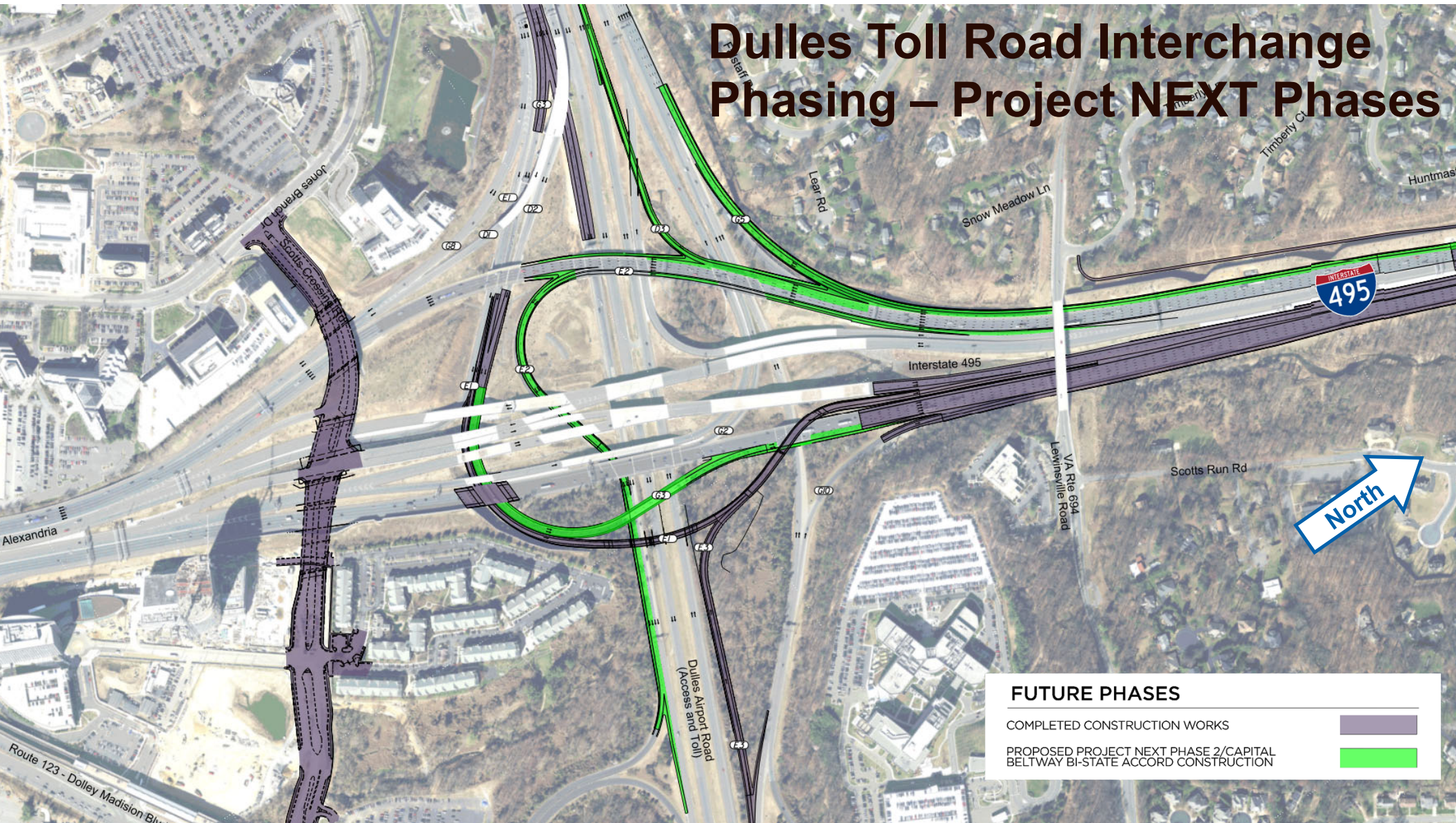
VDOT Permanent Count Station Data – January – September 2020 – Northern Virginia & Statewide Urban Interstate Traffic – All Vehicles in PM Peak



Dulles Toll Road Interchange Phasing – Phase 1



Dulles Toll Road Interchange Phasing – Project NEXT Phases



FUTURE PHASES

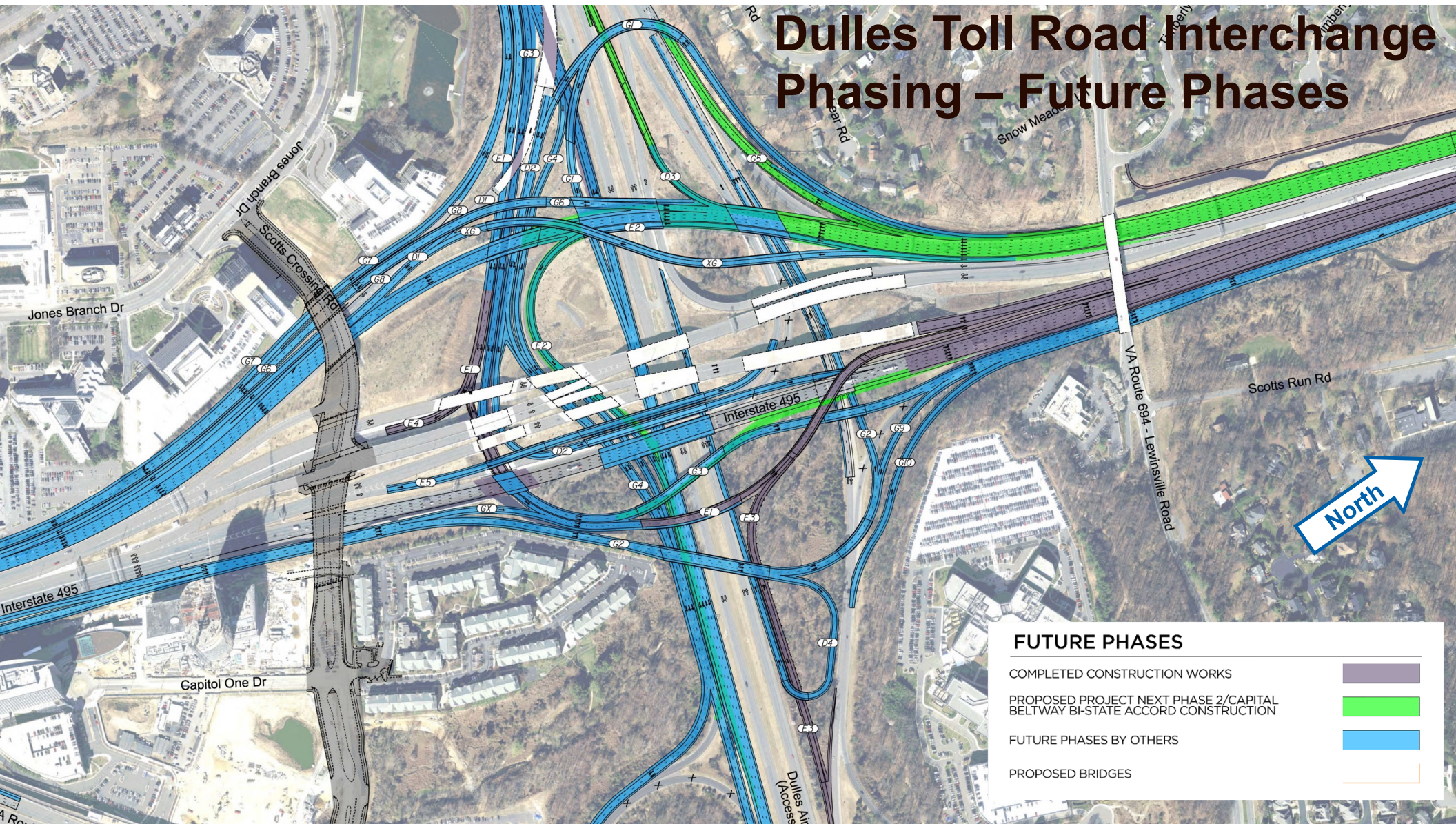
COMPLETED CONSTRUCTION WORKS



PROPOSED PROJECT NEXT PHASE 2/CAPITAL BELTWAY BI-STATE ACCORD CONSTRUCTION



Dulles Toll Road Interchange Phasing – Future Phases



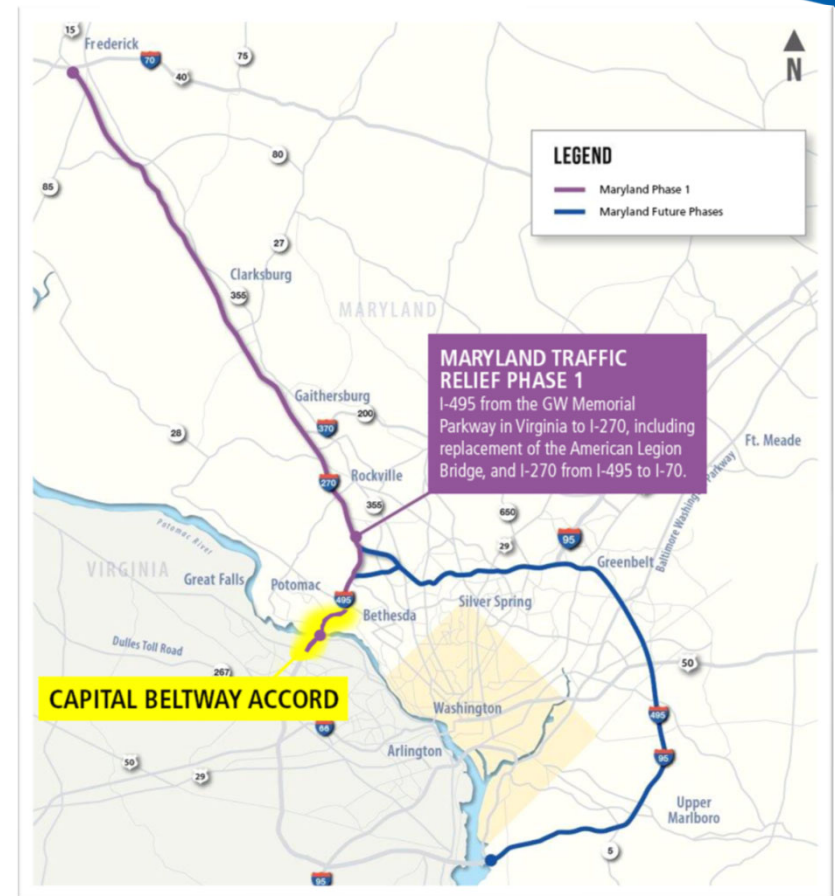
Project Delivery – Partnership with Transurban

- January 2019: Development Framework Agreement with Transurban to extend 495 Express Lanes under current agreement; no Commonwealth funding
- Subject to VDOT approval, Transurban to submit a binding proposal that meets project-delivery technical and financial criteria

VDOT Responsibilities	Transurban Responsibilities
<ul style="list-style-type: none">▪ Planning and environmental approvals▪ Interchange Justification Report (IJR)▪ Federal, state and local agency coordination	<ul style="list-style-type: none">▪ Preliminary engineering, design, procure design-builder, construct project▪ Finance plan▪ Operate and maintain

Regional Coordination with Maryland

- 495 NEXT is an independent, stand-alone project
- 495 NEXT is being coordinated with Maryland to:
 - Ensure that both projects are compatible
 - Support the delivery of Maryland's project
- **Capital Beltway Accord**
 - Agreement between Virginia and Maryland to fund a new American Legion Bridge and infrastructure for connections between George Washington Memorial Parkway and River Road



Key Milestones

SCHEDULE	2018	2019	2020	2021	2024
Public Outreach	Ongoing				
Public Meeting #1 (June 11, 2018)	June				
Public Meeting #2 (May 20, 2019)		May			
Location & Design Public Hearing (Oct. 5 and 8, 2020)			October		
NEPA Decision/IJR Approval				Winter/ Spring	
Final Contract				2021	
Final Design and Construction Starts				2021	
Open to Traffic					2024

