



I-495 EXPRESS LANES NORTHERN EXTENSION (495 NEXT)

Virginia Department of Transportation

FAIRFAX COUNTY TRANSPORTATION COMMITTEE

November 10, 2020

Presentation Topics

- Project Overview
- Environmental and Traffic Assessment Findings
- Public Outreach
- Concerns Identified
 - Noise walls
 - Trail
 - Trees
 - Scotts Run
 - Impacts of Covid-19
 - Dulles Toll Road ramps
- Transit Study
- Schedule and Next Steps



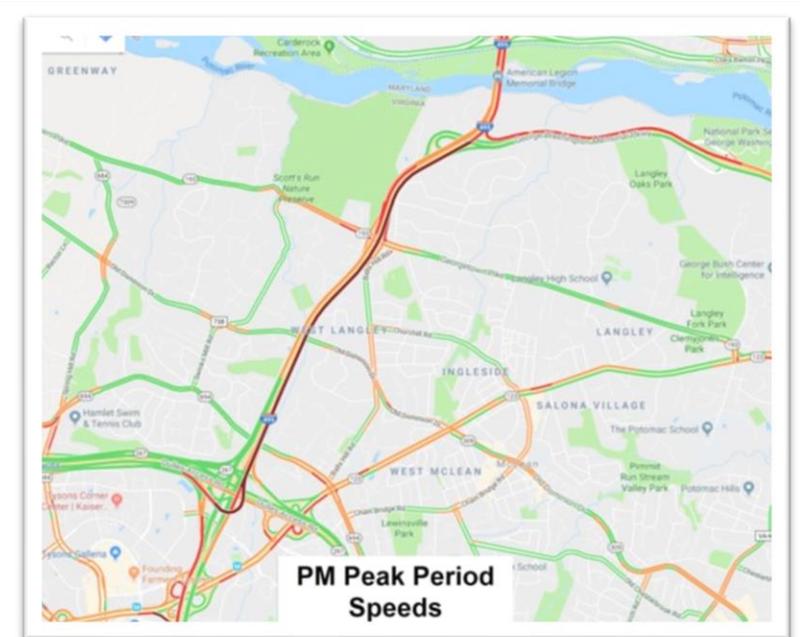
Project Overview

■ 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

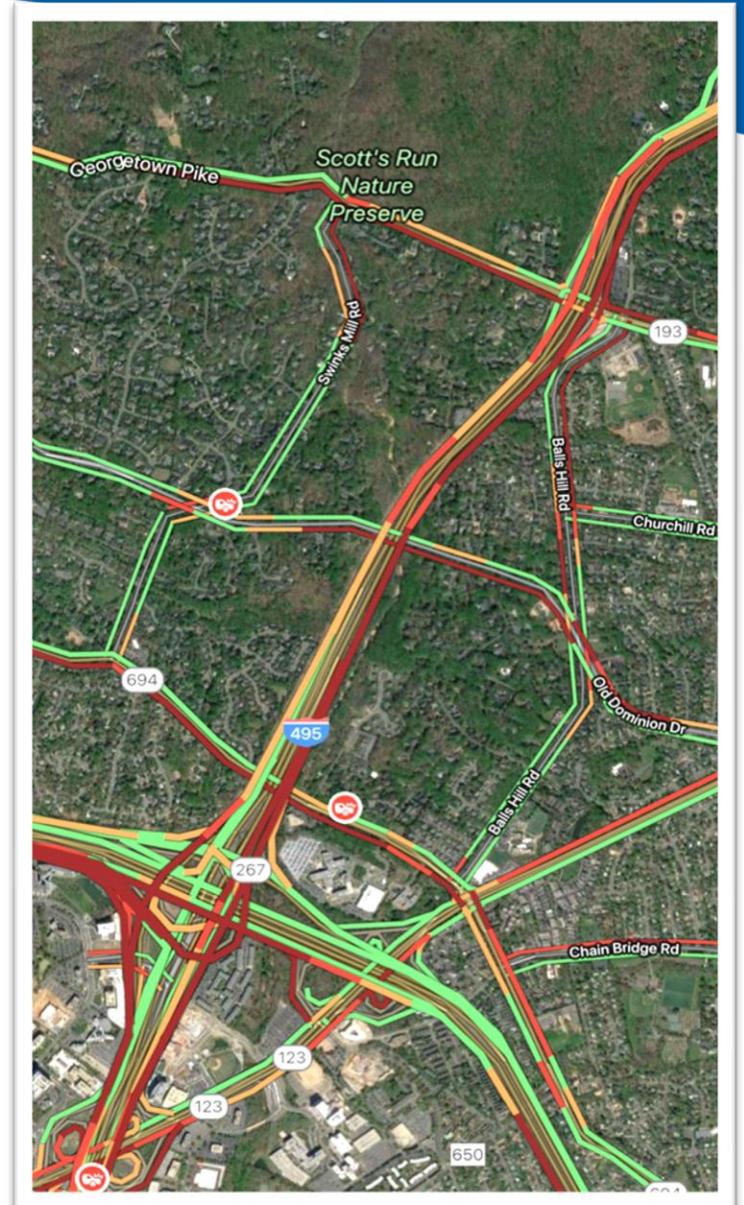
■ Goals and Objectives

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



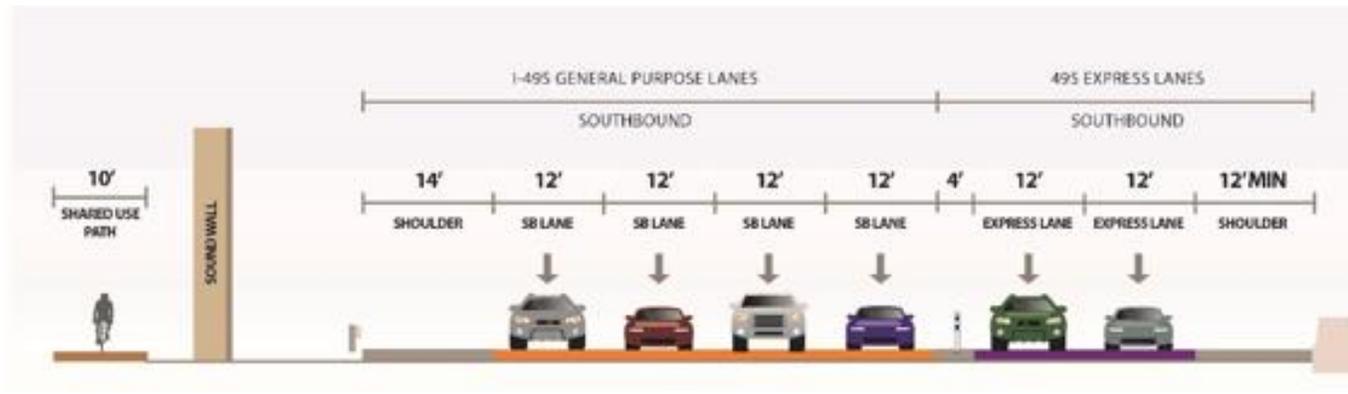
Project Benefits

- 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



Bicycle Trail

- Preliminary design coordinated with Fairfax County to advance county bike plan
- Trails added along I-495 corridor
 - Shared-use path behind the noise wall between Lewinsville Road and Live Oak Drive
 - Connection to future crossing at American Legion Bridge to Maryland
 - Privacy and security concerns (need for fence)
- Facilities improved on bridges
 - Old Dominion Drive (VA 783)
 - Georgetown Pike (VA 193)
 - Live Oak Drive



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) add # of attendees for public meetings/hearings)
- Public Meeting # 2 (May 20, 2019)
- Question & Answer Session #1 (September 28, 2020)
- Question & Answer Session #2 (September 30, 2020)
- Public Hearing # 1 (October 5, 2020)
- Public Hearing # 2 (October 8, 2020) – **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)**

Public Outreach October and November 2020 Efforts

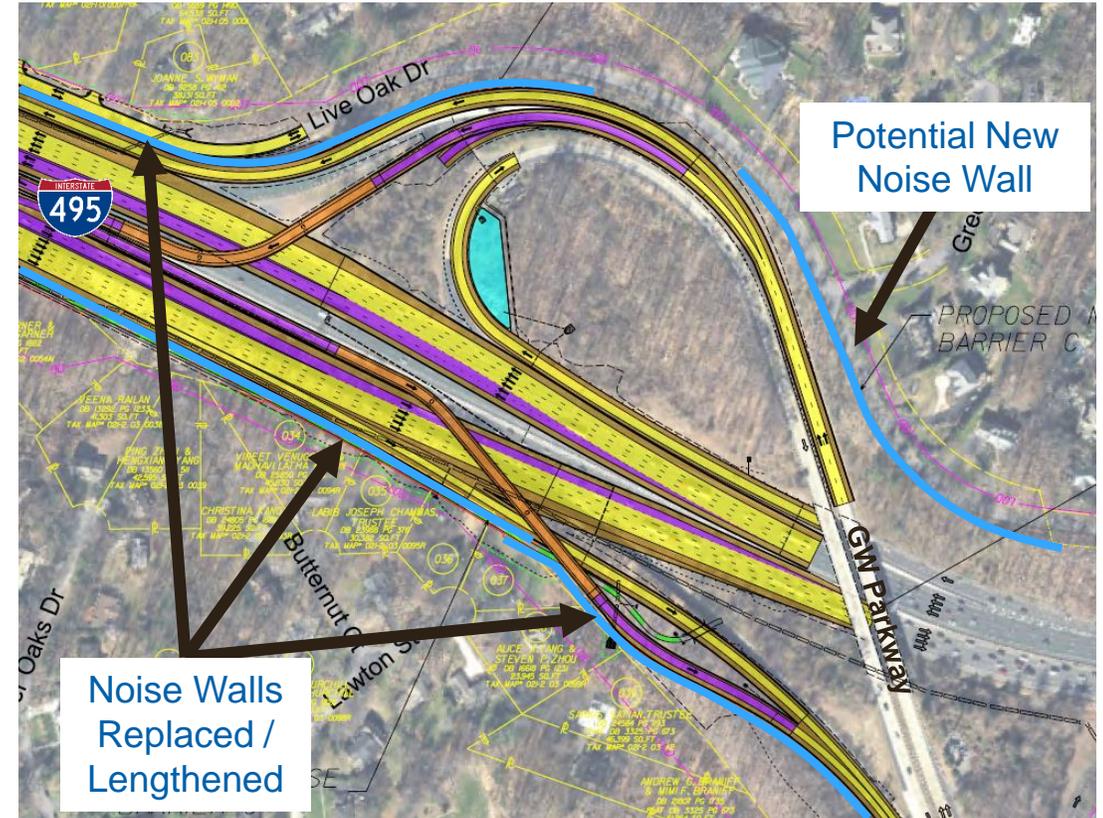
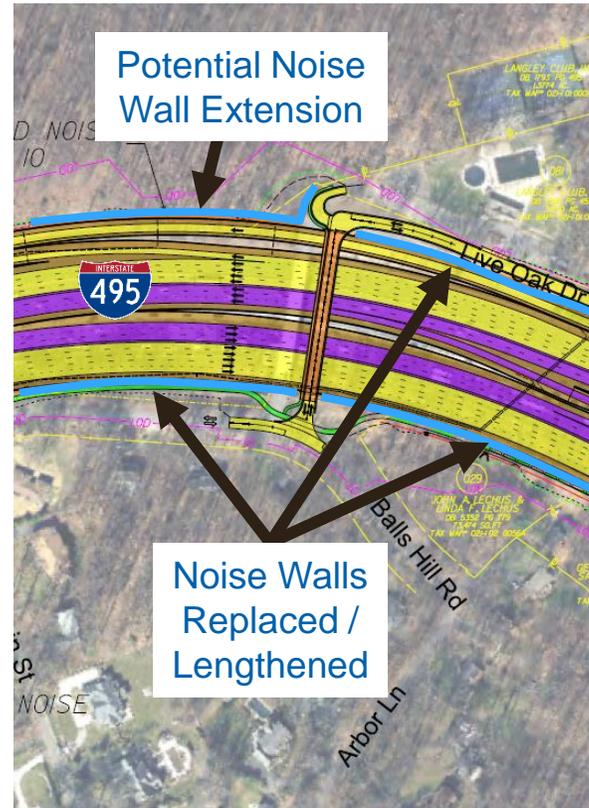
VDOT is setting up meetings with HOA's and Civic Associations

- Mclean Citizens Assoc. (10/13/2020)
- Great Falls Citizens Assoc. (11/11)
- Beaufort Park HOA
- Saigon Community Association
- Potomac Overlook HOA
- Langley Swim and Tennis Club
- Langley Oaks HOA
- Timberly South HOA
- Snow-Lear HOA
- Lewinsville Coalition
- West Langley Civic Association
- McLean Traffic Advisory Group
- Tree Line HOA
- McLean Hamlet Community Assoc.
- Elwood Estates HOA
- Scotts Run HOA
- The Reserve HOA
- Swinks Mill Estate HOA
- Gates of McLean
- Encore and Regency Condos

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



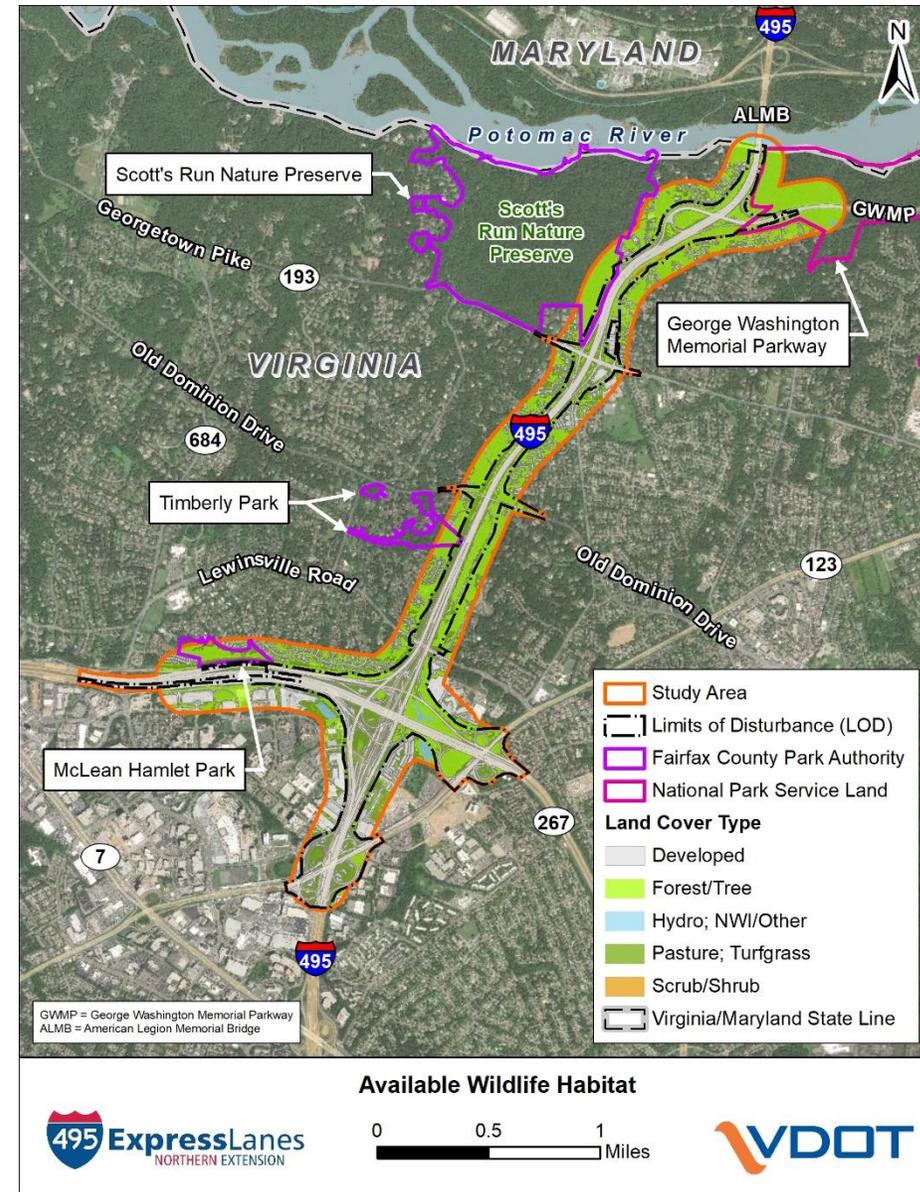
Examples of noise wall locations near Live Oak Drive and George Washington Memorial Parkway

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

Concerns Identified: Trees

Wooded Areas

- Approximately 35 acres anticipated to be affected by Phase I construction
- The project will develop and implement a replanting plan
- Based on a request from the McLean Citizens Association, a tree survey will be conducted
- Roadway infrastructure and stormwater management has been designed to minimize impacts to wooded areas

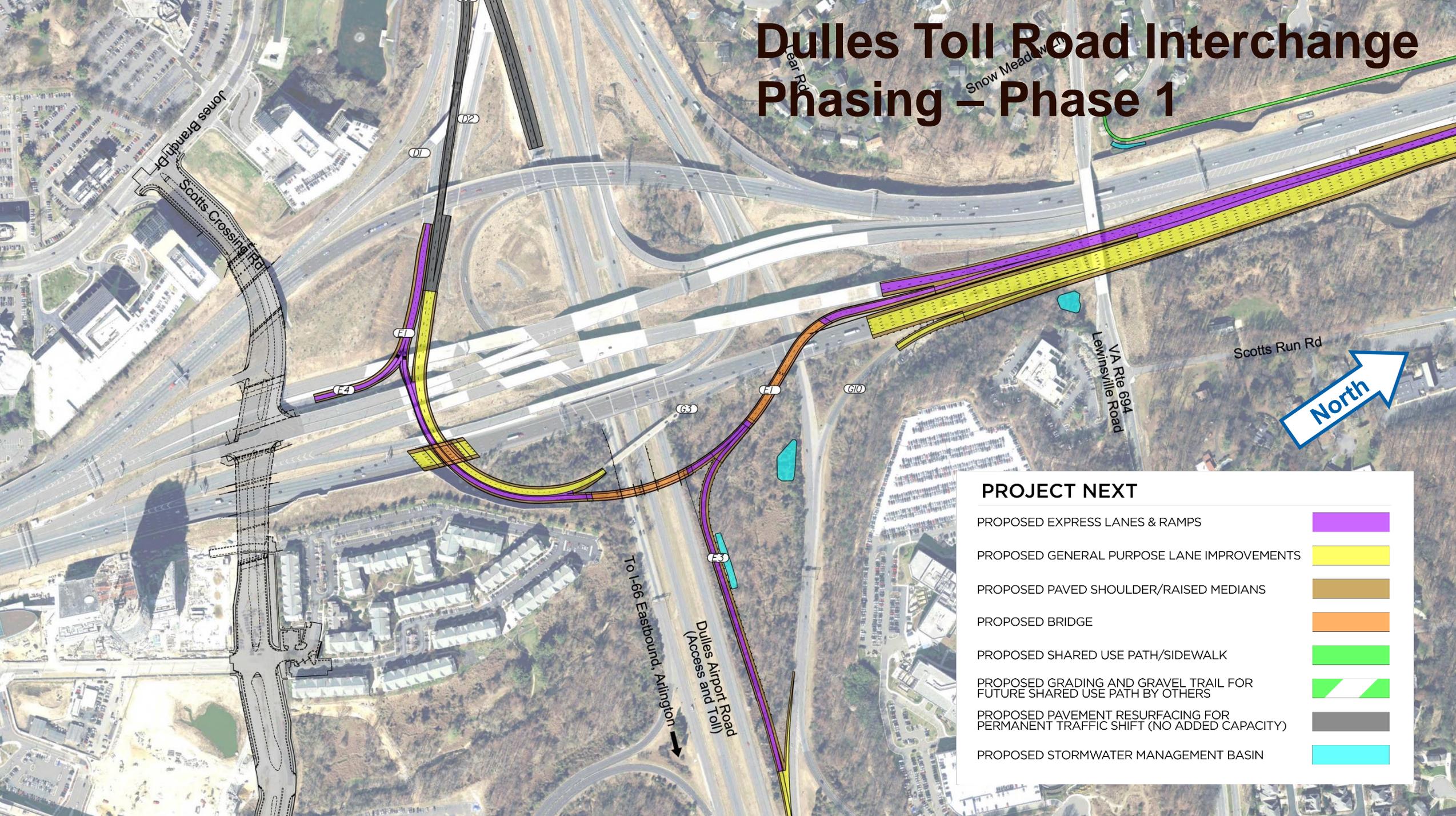


Concerns Identified: Scotts Run

- Partnering with Fairfax County to provide outfall enhancements
- Potential collaboration with Fairfax County stream restoration projects
 - Active and/or future projects
- Implementing quality and quantity stormwater management
 - Address runoff at Scotts Run



Dulles Toll Road Interchange Phasing – Phase 1



PROJECT NEXT

PROPOSED EXPRESS LANES & RAMPS

PROPOSED GENERAL PURPOSE LANE IMPROVEMENTS

PROPOSED PAVED SHOULDER/RAISED MEDIANS

PROPOSED BRIDGE

PROPOSED SHARED USE PATH/SIDEWALK

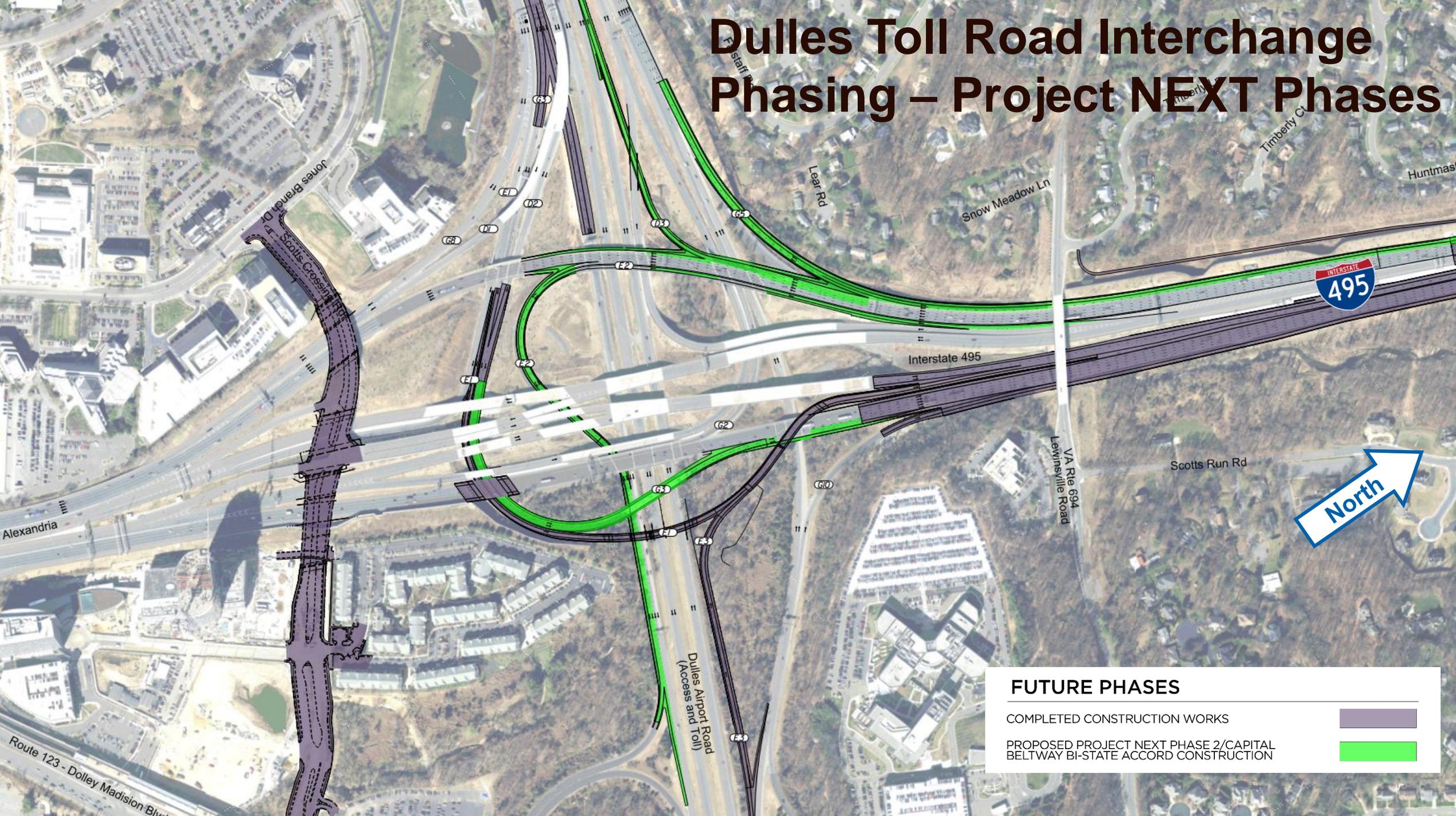
PROPOSED GRADING AND GRAVEL TRAIL FOR FUTURE SHARED USE PATH BY OTHERS

PROPOSED PAVEMENT RESURFACING FOR PERMANENT TRAFFIC SHIFT (NO ADDED CAPACITY)

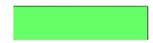
PROPOSED STORMWATER MANAGEMENT BASIN



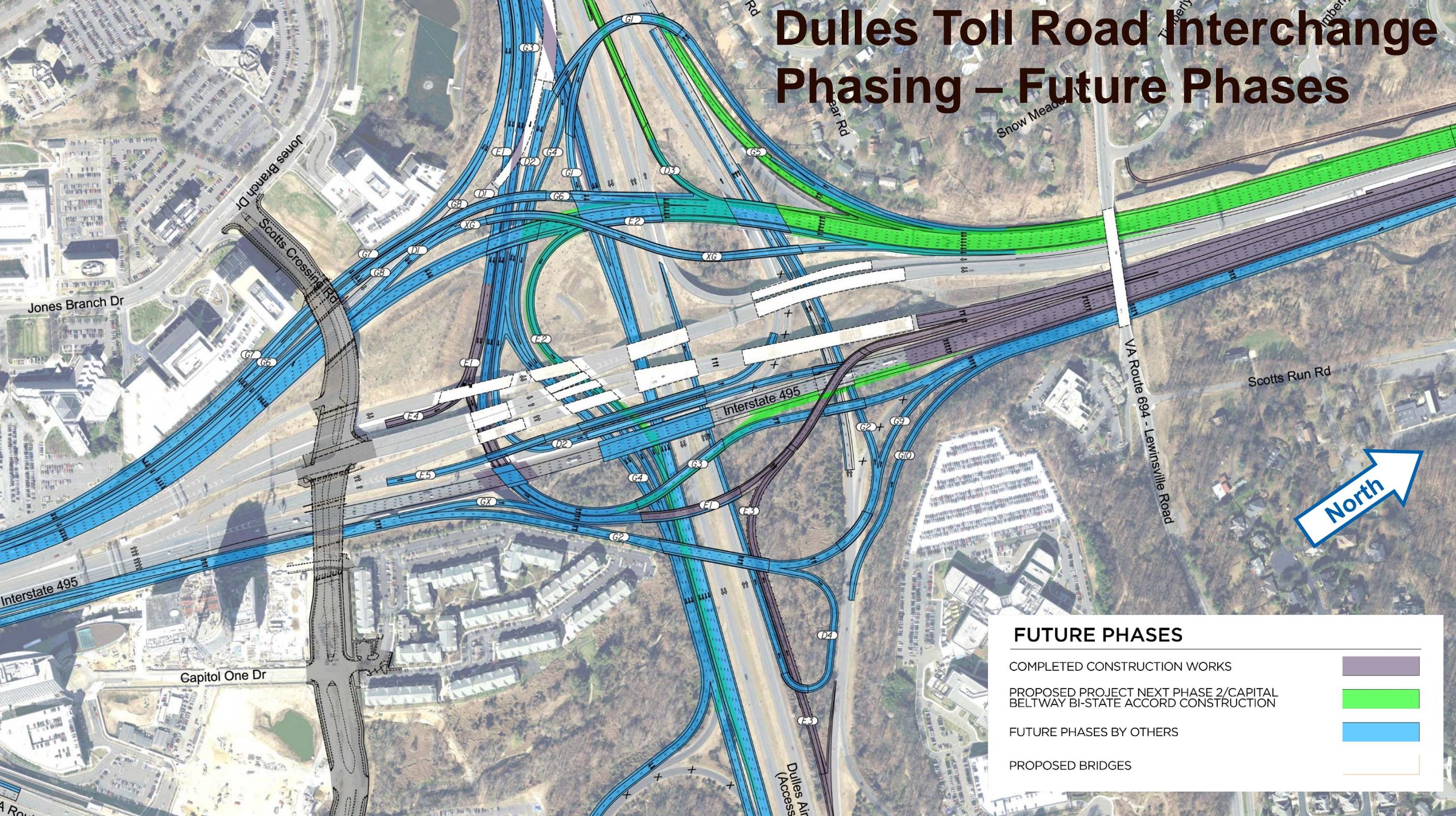
Dulles Toll Road Interchange Phasing – Project NEXT Phases



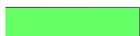
FUTURE PHASES

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

Dulles Toll Road Interchange Phasing – Future Phases



FUTURE PHASES

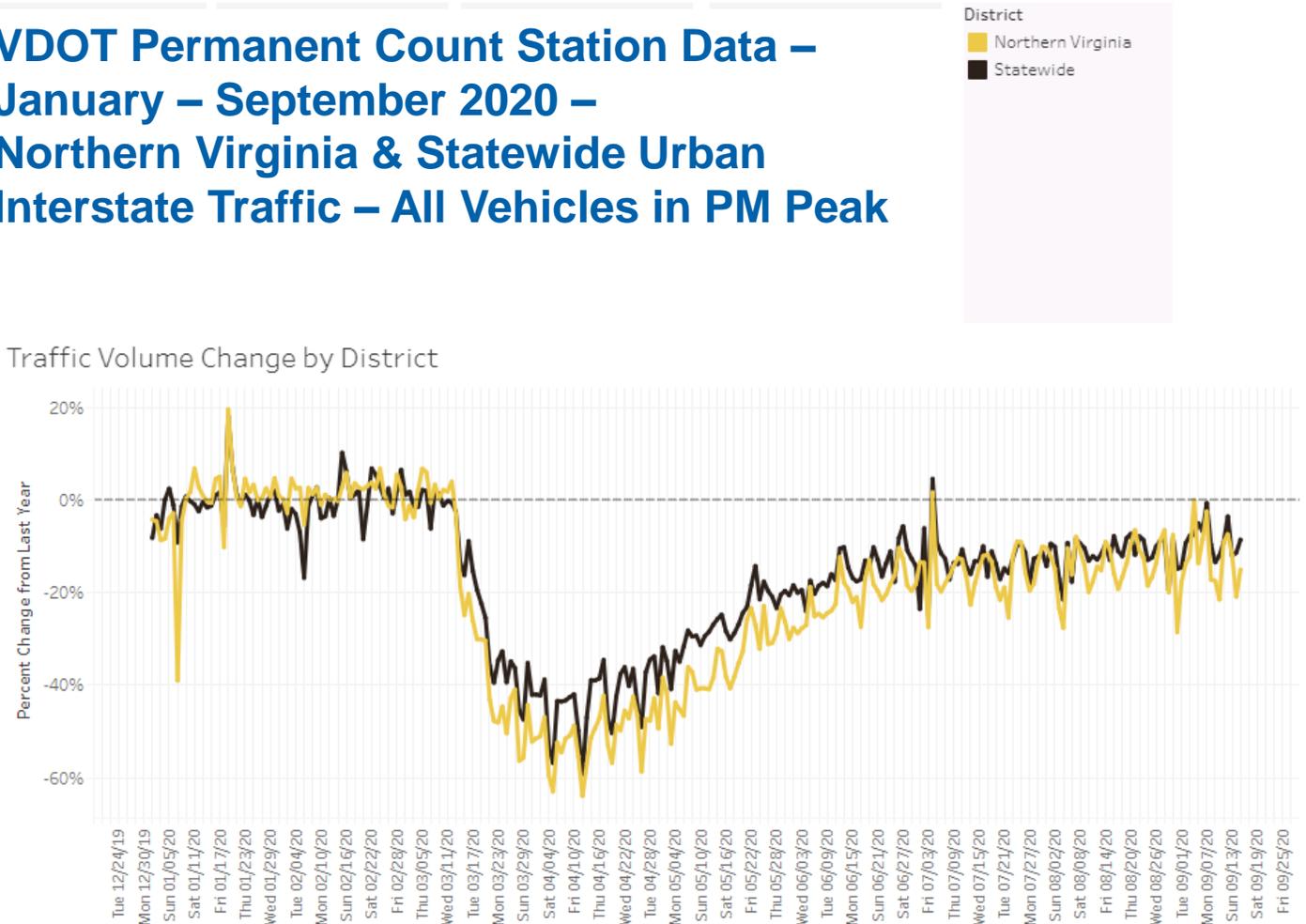
- COMPLETED CONSTRUCTION WORKS 
- PROPOSED PROJECT NEXT PHASE 2/CAPITAL BELTWAY BI-STATE ACCORD CONSTRUCTION 
- FUTURE PHASES BY OTHERS 
- PROPOSED BRIDGES 

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

Traffic Volume Change by District



I-495 Regional Transit Study

- High-level transit needs study
- Joint study between Virginia Department of Rail and Public Transportation and Maryland Transit Administration
- The study purpose is to identify potential current and future multimodal solutions to reduce congestion, and improve trip reliability and regional connections
- The study is currently assessing the overall demand for transit.
- Rail along this corridor is not included in the regional long range plan or local comprehensive plans.
- The study is Independent of ongoing environmental studies in both states
- Anticipated results in 2020

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

