

# 495 NEXT BRIEFING

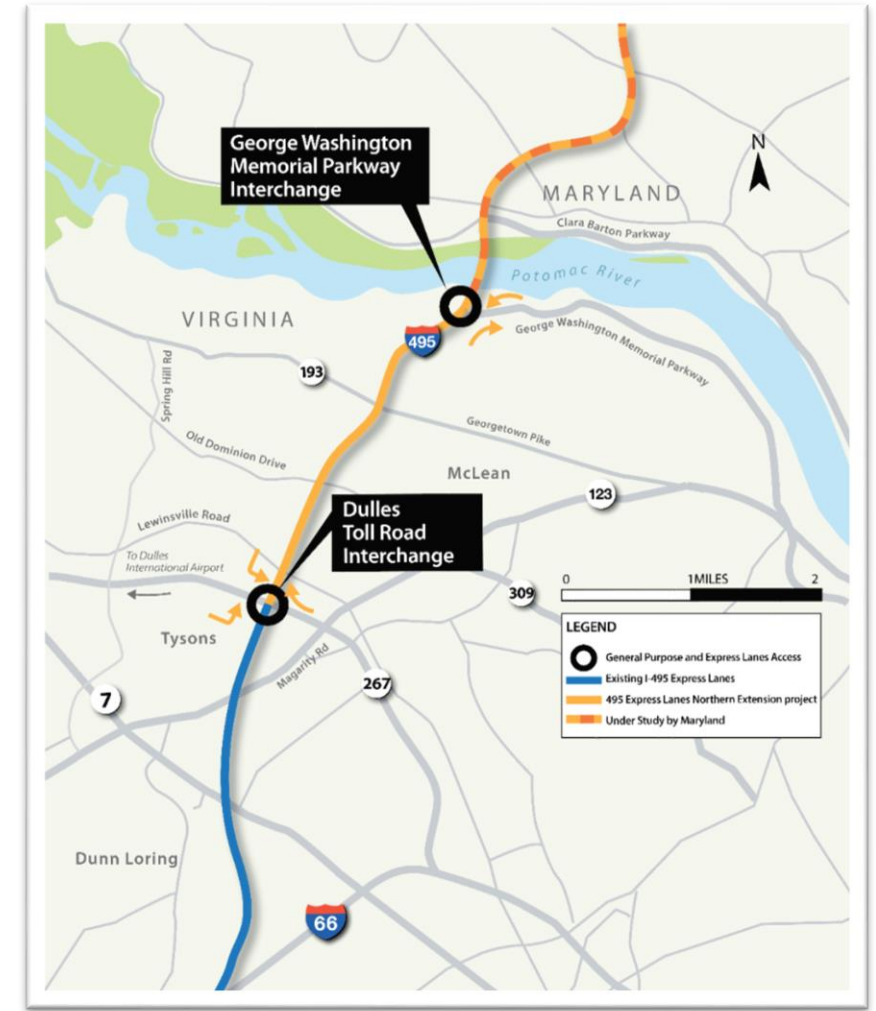
## MAPLEWOOD HOMEOWNERS ASSOCIATION




Virginia Department of Transportation Megaprojects  
Capital Beltway Express (Transurban)  
Lane Construction

February 28, 2023

# 495 Express Lanes Northern Extension Project (495 NEXT)

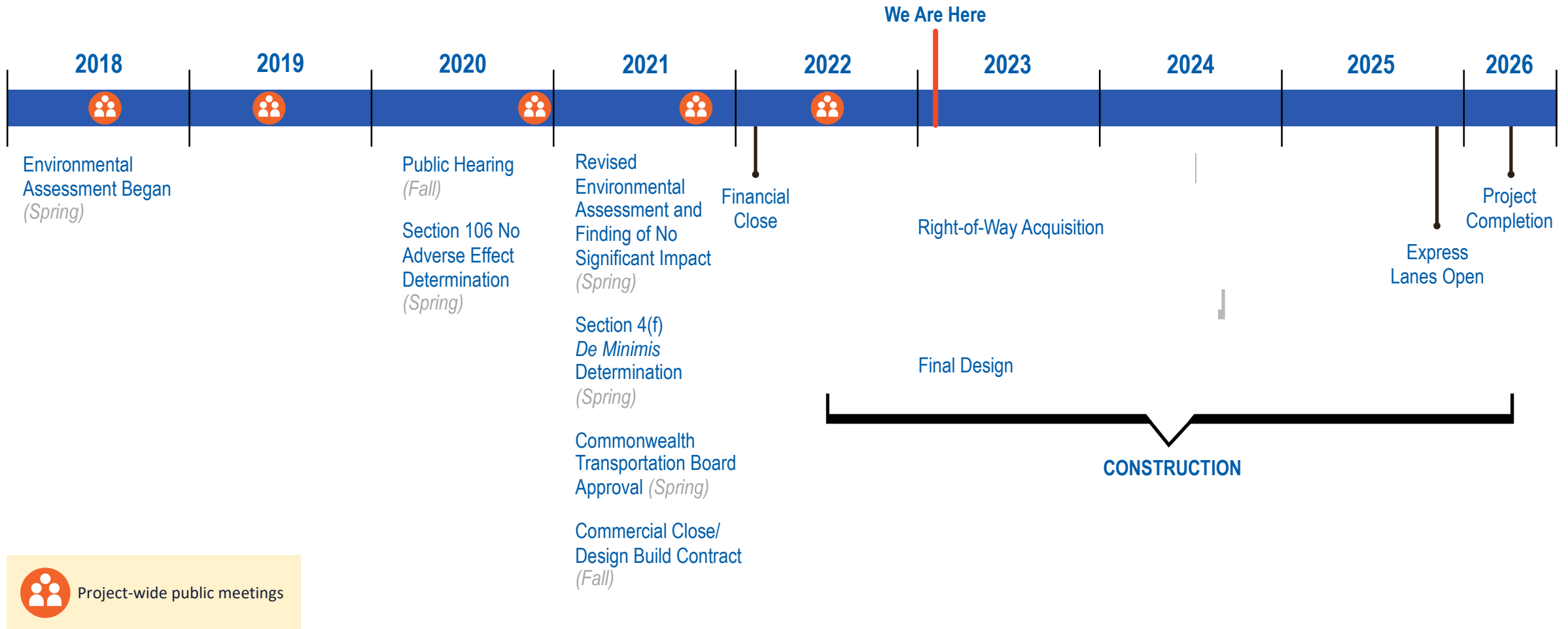
- Approximate \$660 million, 2.5-mile extension of 495 Express Lanes from I-495 and Dulles Corridor interchange to George Washington Memorial Parkway in the vicinity of the American Legion Bridge
- Creating additional express lanes access at Dulles Toll Road and Dulles Access Road interchange, and George Washington Memorial Parkway interchange
- Public-private partnership project between VDOT and Transurban through 2087



				
<b>Improve interchanges and replace existing bridges</b>	<b>Add bike and pedestrian trails</b>	<b>Replace existing noise walls and construct new walls where needed</b>	<b>Provide stormwater management facilities</b>	<b>Provide stream restoration and stabilization</b>

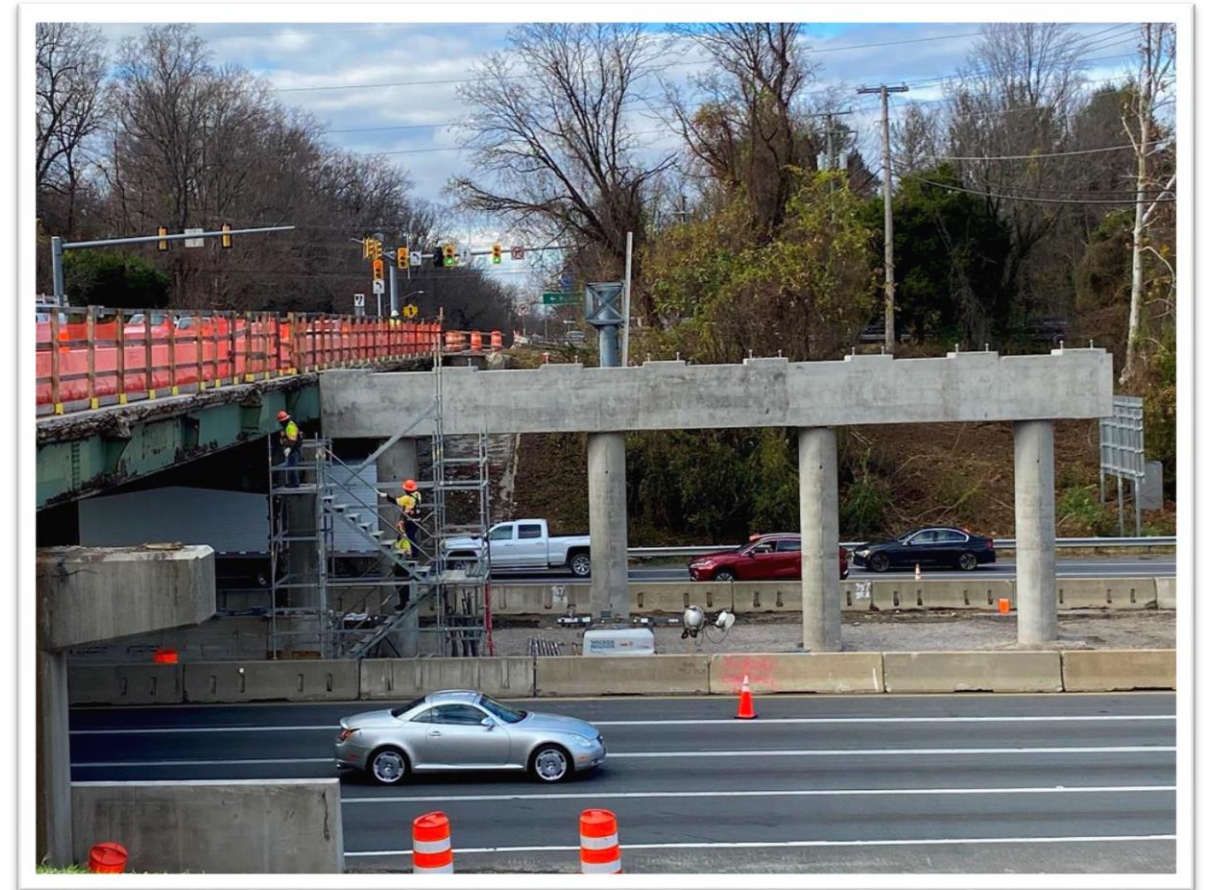
## Other Project Benefits

# 495 Express Lanes Northern Extension Project Timeline



# First Year Construction Highlights

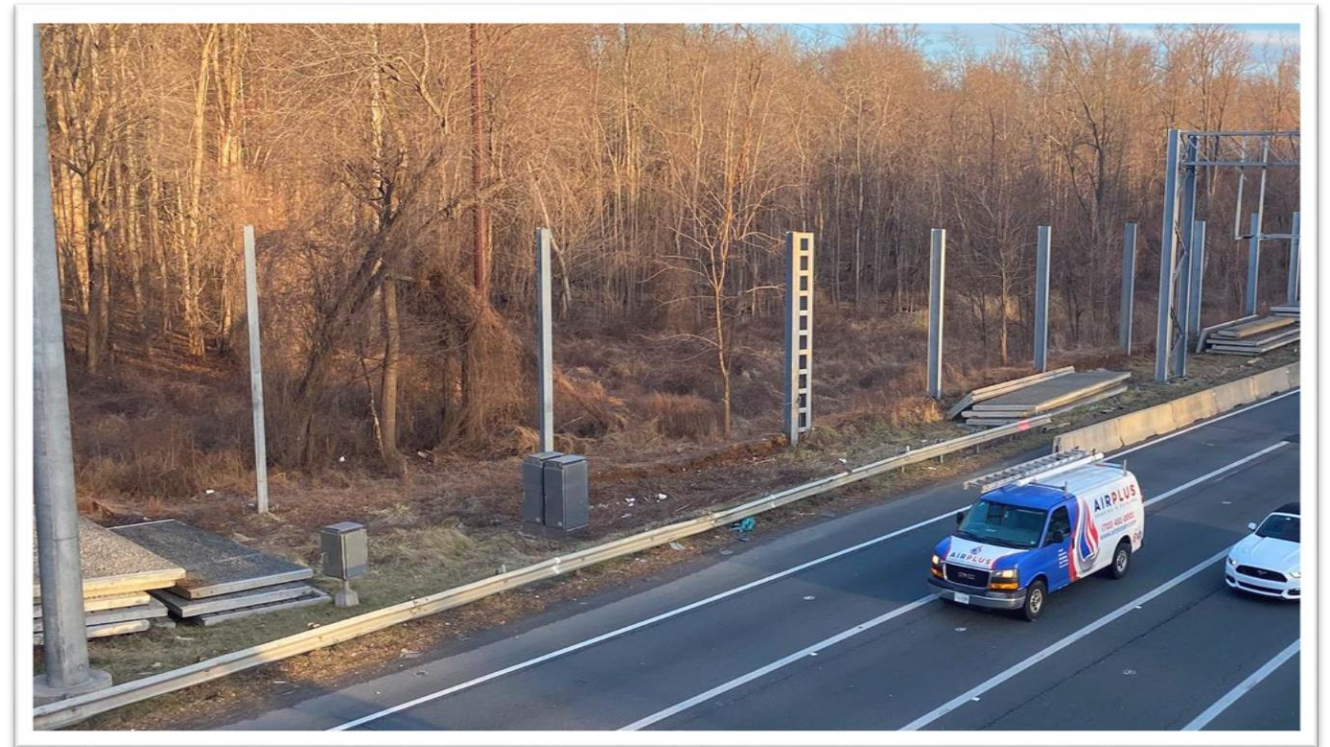
- Construction Start: March 2022
- 2022 Milestones
  - Beltway and ramps realigned to maximize traffic flow during construction
  - Completed Georgetown Pike Bridge center pier



*Construction progress is subject to change due to weather and other factors*

# Beltway Construction

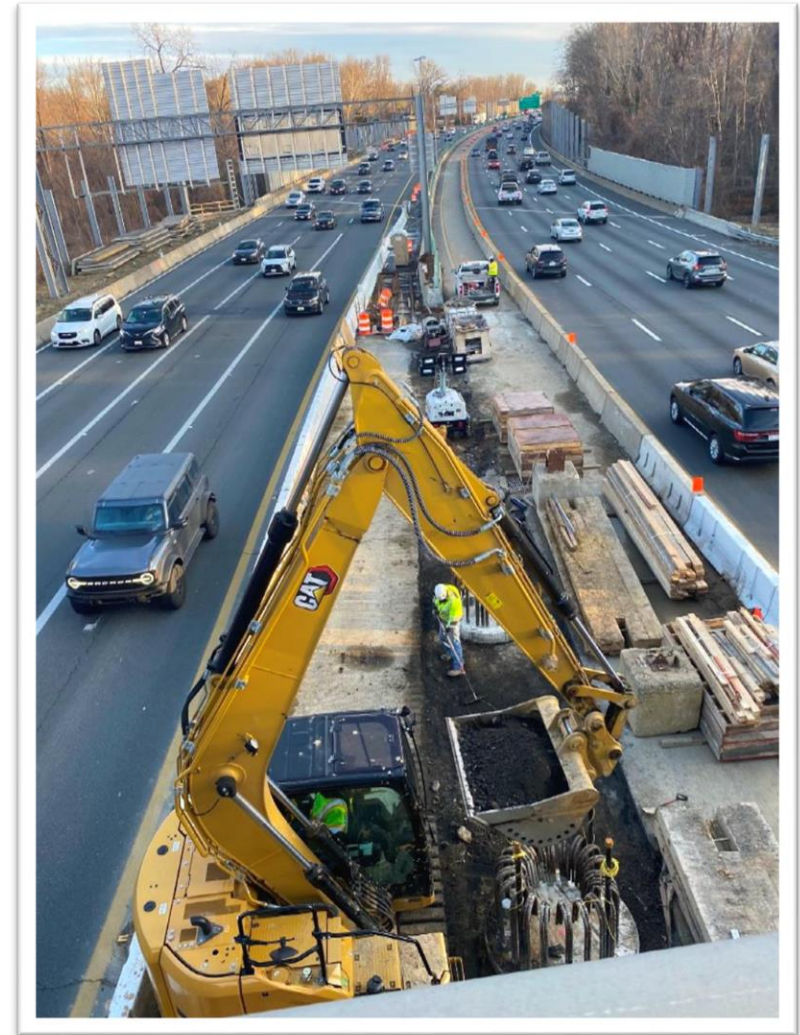
- Work Sequence
  - Remove noise walls and clear trees to widen Beltway
  - Construct lanes outside current alignment
  - Shift traffic to outside lanes to enable construction of inside lanes
  - Open Express Lanes: Fall 2025



*Construction progress is subject to change due to weather and other factors*

# Overpass Construction

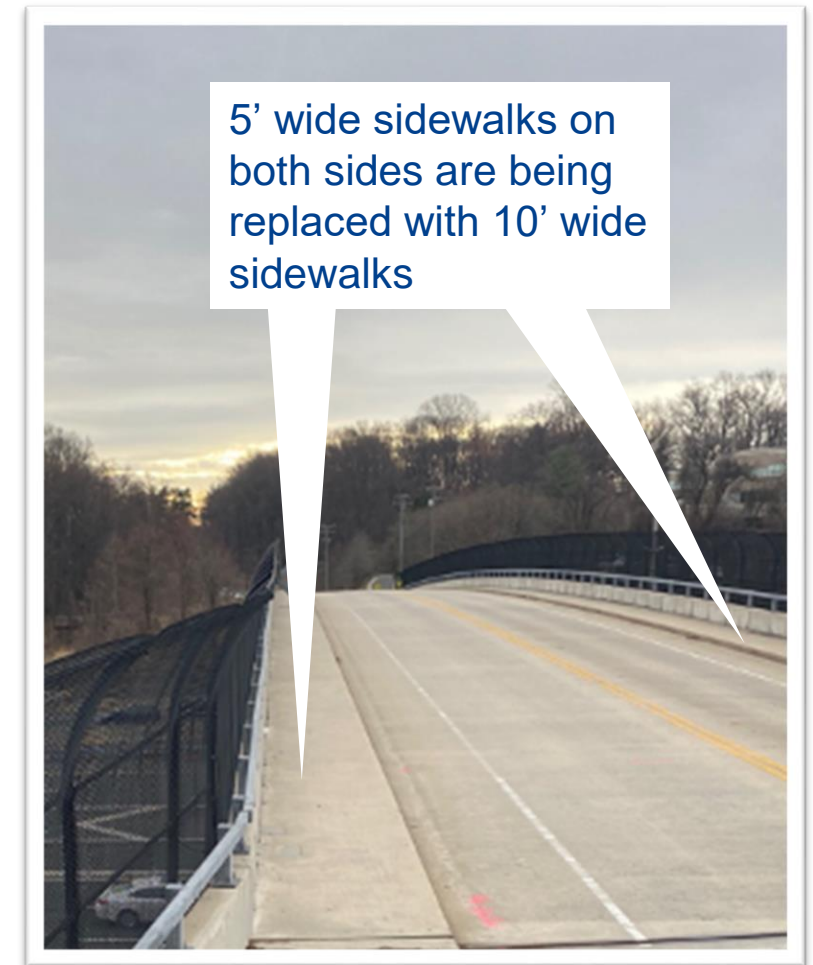
- Replace old bridges with upgraded new bridges featuring wider sidewalks and trail connections
  - Live Oak Drive
  - Georgetown Pike
  - Old Dominion Drive
- Improve Lewinsville Road overpass
  - Replace 5' sidewalk with 10' sidewalk
- Work Sequence
  - Complete piers in Beltway median
  - Construct abutments (includes pile driving)
  - Complete new bridges and transfer traffic: Summer 2025
  - Demolish old bridges (during overnights)



*Construction progress is subject to change due to weather and other factors*

# Lewinsville Road Overpass

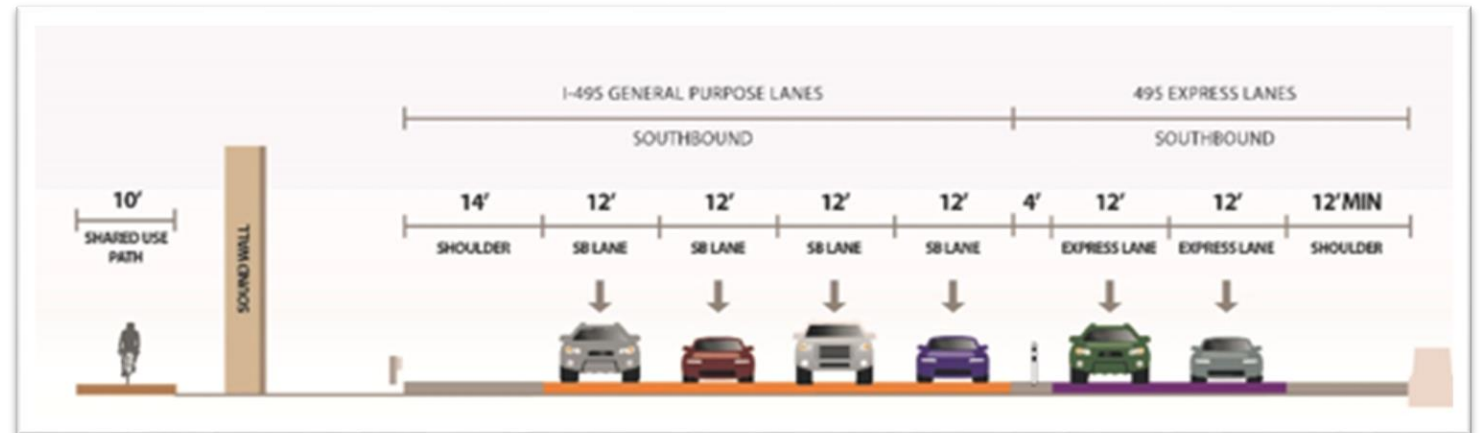
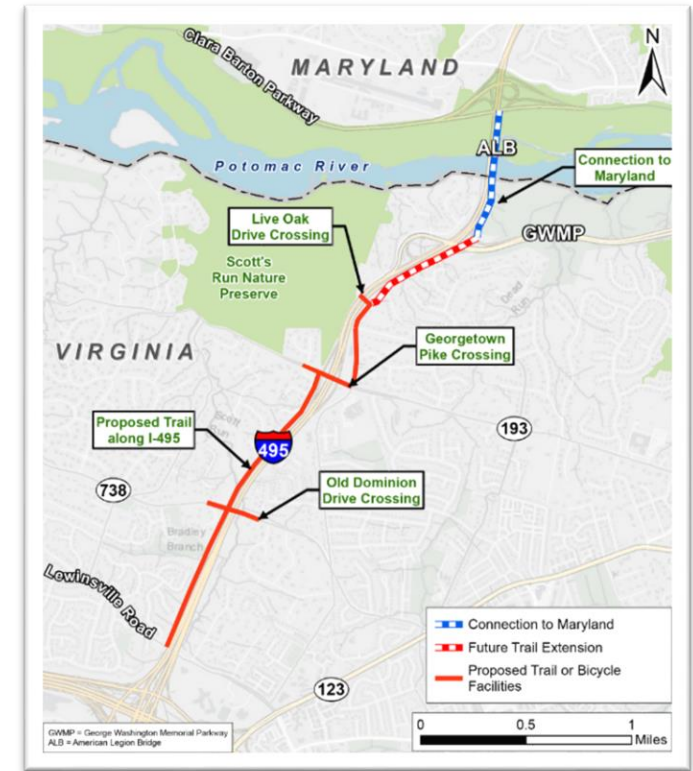
- Improvements
  - Replace 5' sidewalks with 10' sidewalks on both sides
  - Add bike-pedestrian trail from Lewinsville Road Overpass to project's northern terminus
- Upcoming Construction
  - March 2023
    - Restripe roadway and shift traffic slightly north
    - Add new crosswalk to northern sidewalk
    - Take southern sidewalk out of service
    - Demolish southern sidewalk
  - Remainder of 2023: Complete new 10' wide southern sidewalk
  - Repeat March sequence for northern sidewalk
  - Construct new 10' wide northern sidewalk
  - 2026: Complete new bike-pedestrian trail



*Construction progress is subject to change due to weather and other factors*

# Bicycle and Pedestrian Trails

- 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
- Facilities improved on bridges
  - Old Dominion Drive (VA 783)
  - Georgetown Pike (VA 193)
  - Live Oak Drive
  - Lewinsville Road





# Design Updates

## Bicycle and Pedestrian Trails

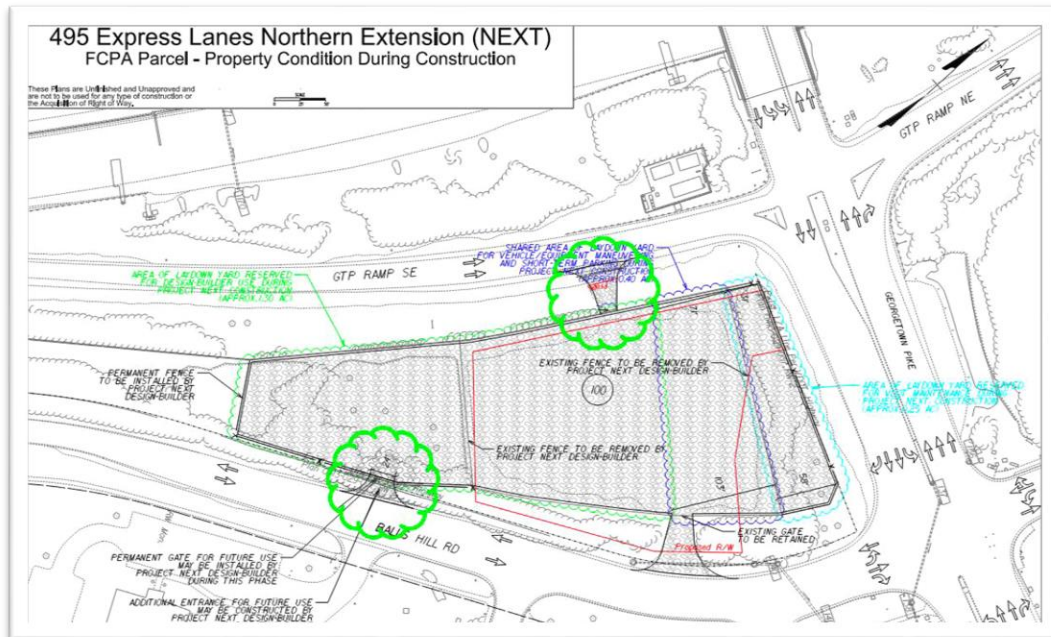


- Additional rectangular rapid flashing beacon and high-visibility crosswalk across Lewinsville Road at Timberly Lane intersection
- Revised ending alignment of Lewinsville Trail
- Improvements to sidewalk on Lewinsville Road Bridge and along Lewinsville Road between Snow Meadow Lane and I-495

# Maintenance Yard and Future Park at Balls Hill Road

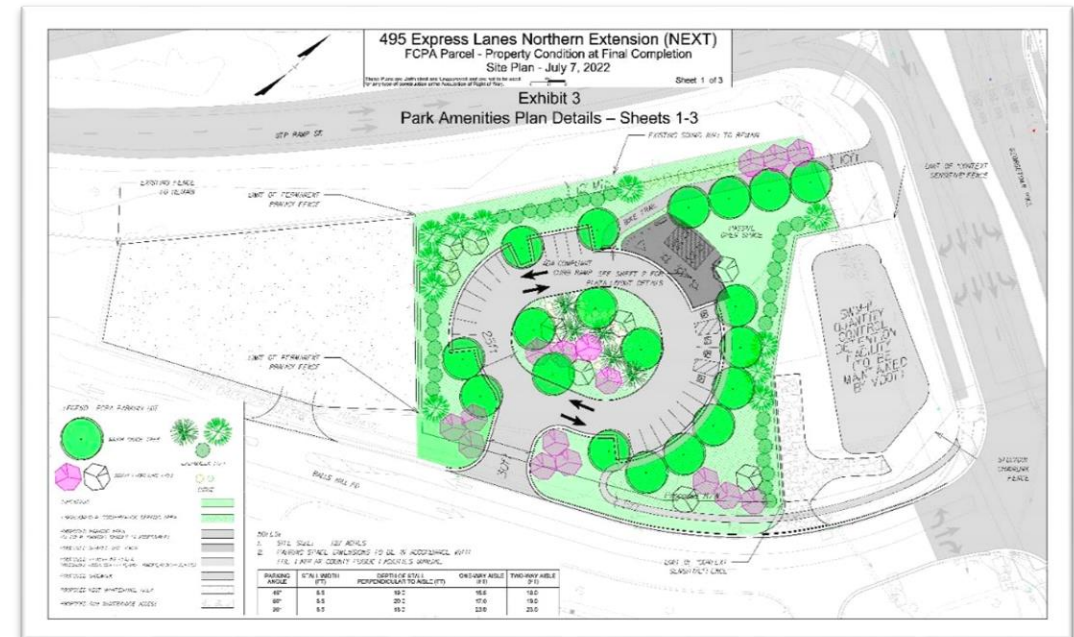
## Existing Maintenance Yard at Balls Hill Road

- Existing VDOT Maintenance Yard being used for construction
- Fence adjusted to maximize working space
- Additional construction entrances installed to minimize impact on Cooper Middle School and traffic at GTP/Balls Hill Road



## Future Fairfax County Park at Balls Hill Road

- Will provide parking and trail connection to Scott's Run and new bike/pedestrian trails along I-495
- Park will open at the end of the project
- VDOT Maintenance Yard with privacy fence will be next to park



# Virginia's Transit Commitment and Transportation Management Plan

## Transit Commitment

- Commonwealth providing project funding to Fairfax County to implement Tyson's / Montgomery County routes proposed in joint I-495 American Legion Bridge Transit/TDM Study:
  - \$2.2 million per year for bus service operations
  - \$5.2 million for initial purchases of buses
- Fairfax County purchasing buses for operations to begin in 2024

## Transportation Management Plan

### Goals:

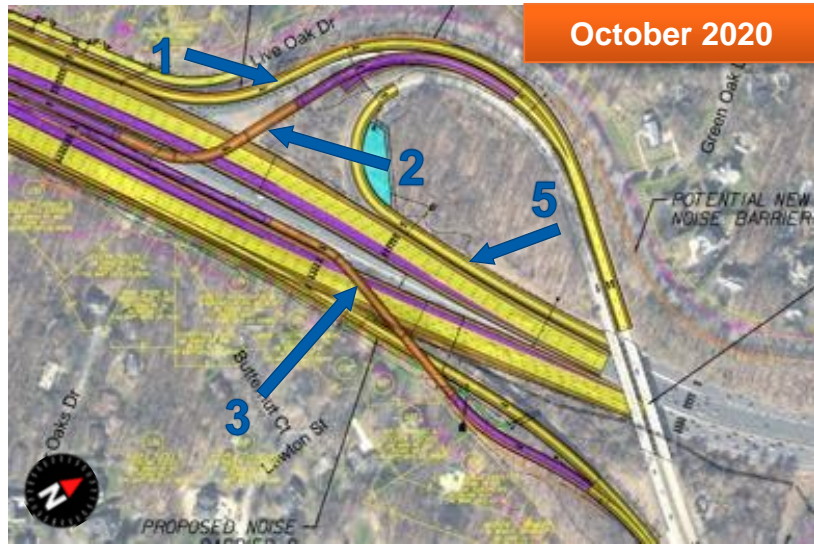
- Maintain mobility during construction
- Enhance public and worker safety
- Provide reliable information about construction zone

### Elements:

- Transit and Transportation Demand Management
  - New bus route(s) across American Legion Bridge
  - Support to carpools and vanpools
- Traffic Operations and Incident Management
- Local Network Operations and Traffic Analysis
- Communications and Outreach

# Community Coordination: George Washington Memorial Parkway Interchange

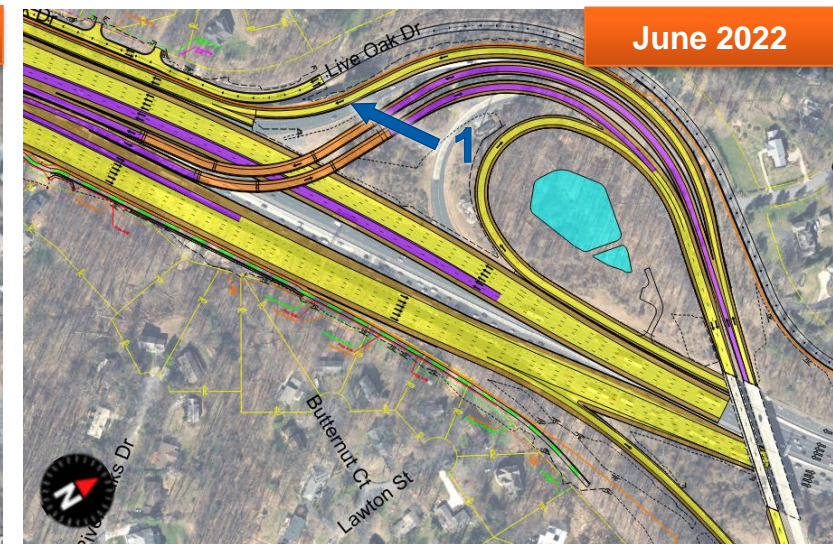
## Design Progression – Virginia's 495 NEXT Project



- Existing **Ramps 1 and 5** shifted
- New **Ramps 2 and 3** added to connect Virginia's 495 Express Lanes to GWMP
- Portion of Live Oak Drive shifted
- Old noise walls upgraded, new noise walls added



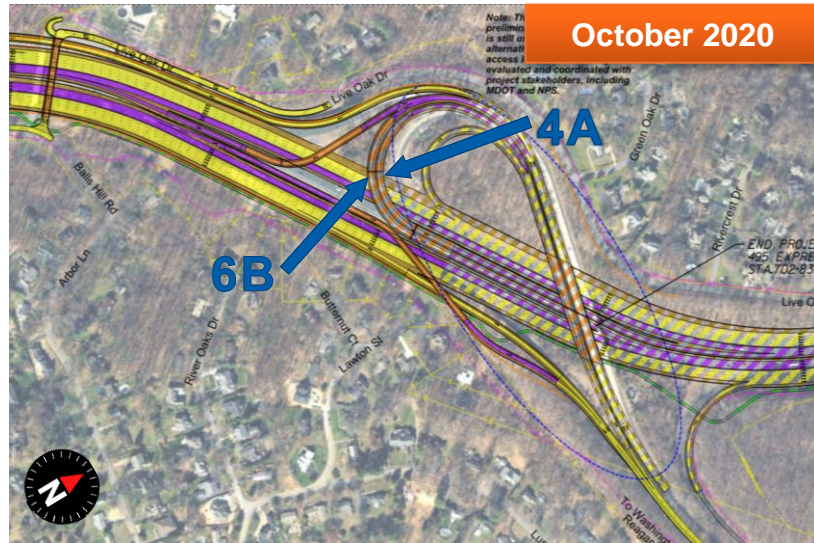
- **Ramp 3** relocated beside **Ramp 2** inside existing interchange
- Minor changes to **Ramp 2** to pair with **Ramp 3**



- Lowered **Ramp 1**
- Shifted Live Oak Drive closer to Beltway and moved new Live Oak Drive bridge to the south
- Expanded and moved new stormwater management basin and moved to inside **Ramp 5**

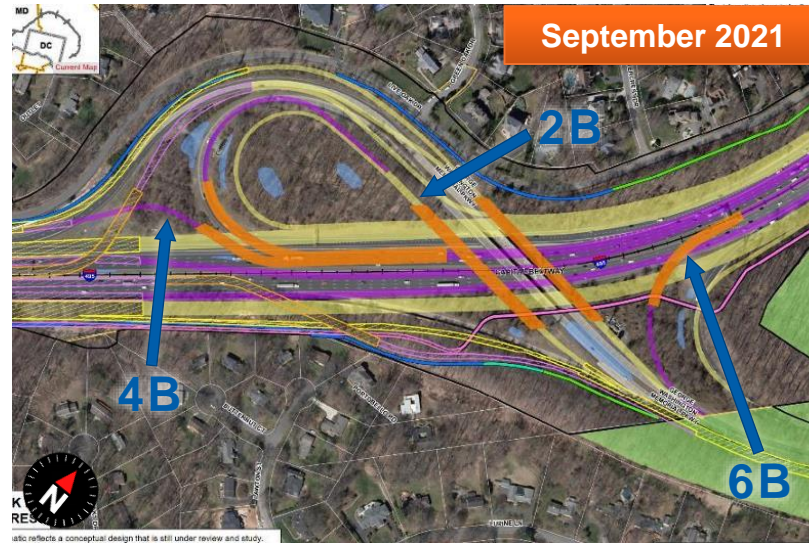
# Community Coordination: George Washington Memorial Parkway Interchange

## Design Progression – Maryland’s Phase 1 South



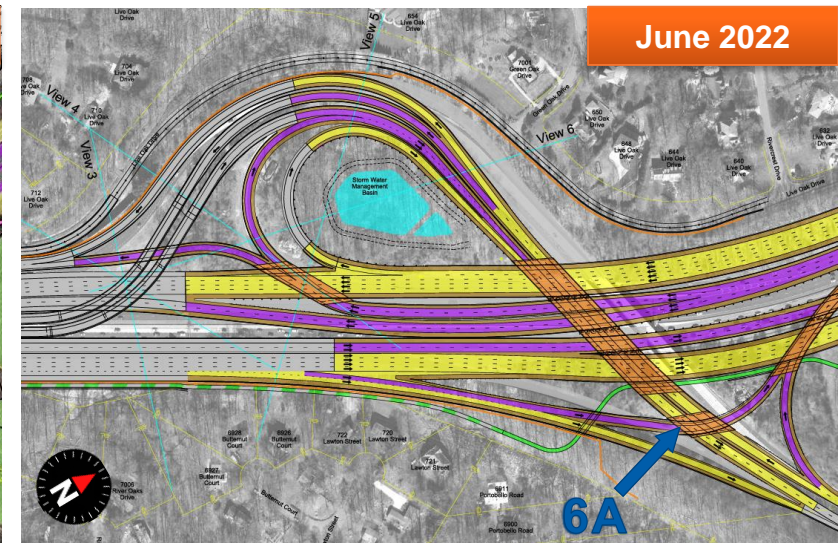
- New Ramps **4A** and **6B** added within I-495 median area to connect Maryland’s High-Occupancy Toll (HOT) lanes to GWMP

*Included in Draft Environmental Impact Statement (DEIS) published by MDOT SHA and FHWA in July 2020.*



- Ramp **6B** relocated
- Added Ramp **2B** for general purpose traffic to enter 495 Express Lanes in Virginia
- Added Ramp **4B** for Maryland HOT lanes traffic to exit general purpose lanes or Georgetown Pike

*Included in Supplemental Draft Environmental Impact Statement (SDEIS) published by MDOT SHA and FHWA in October 2021.*

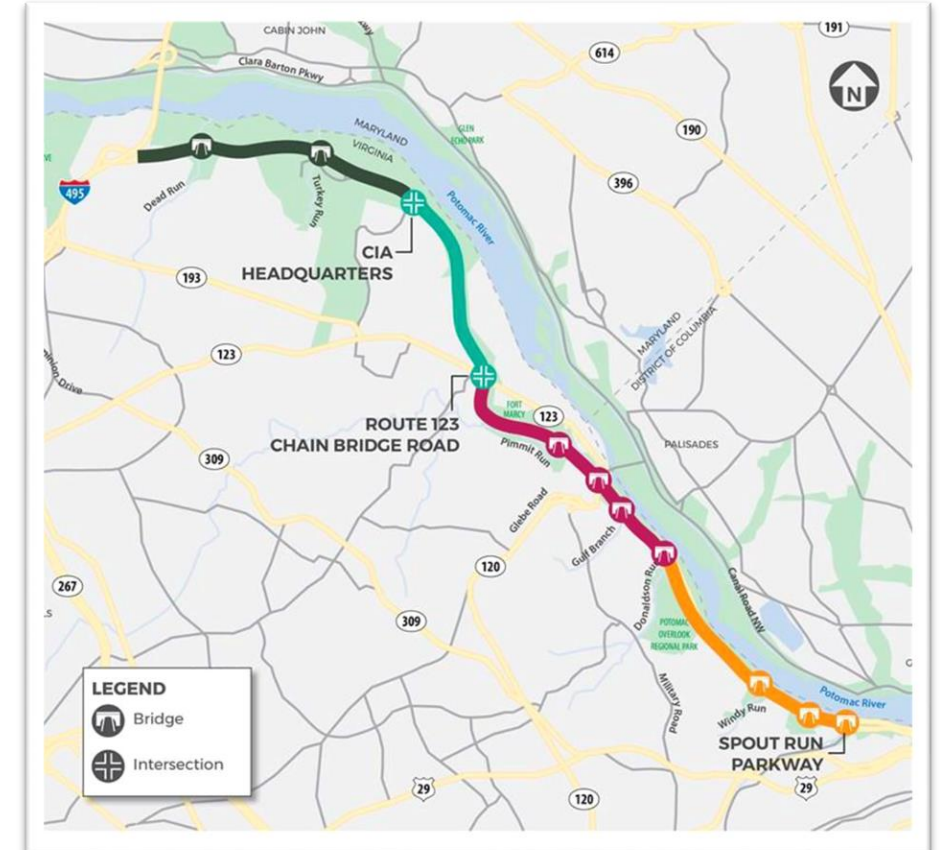


- Removed Ramp **2B**
- Added Ramp **6A** for I-495 general purpose lanes to enter northbound Maryland HOT lanes

*Included in Final Environmental Impact Statement (FEIS) published by MDOT SHA and FHWA in June 2022. Included in the Selected Alternative approved by FHWA in Record of Decision issued in August 2022.*

# George Washington Memorial Parkway (GWMP) Coordination

- National Park Service (NPS) in partnership with Federal Highway Administration (FHWA) is rehabilitating the GWMP from Spout Run Parkway to I-495
  - Major roadway construction
  - Bridge rehabilitation
- Monthly meetings
  - VDOT
  - Maryland State Highway Administration
  - National Park Service, Federal Highway Administration
- Transportation management strategies
- Maintenance of traffic plans
  - Traffic switch for reversible lane use targeted for late March/early April 2023



**Public meeting on GWMP Rehabilitation project targets for early-to-mid-March 2023.**

# What Neighbors Should Expect

- **Nighttime Work:** Certain activities are unavoidably noisy and impactful, and must be performed during overnight hours
- **Lane Closures/Traffic Changes:** Periodic traffic impacts on local roads in the 495 NEXT project area are required to safely complete work

## Commitment to Neighbors

- Reducing construction impacts, while maintaining project schedule
- Providing advance notice to direct-impact neighbors
- Meeting with communities and neighborhoods

## How We Provide Advance Notice to Neighbors



- **Flyers and fact sheets** delivered door-to-door and by email
- **Website information and updates** on 495NEXT.org
- **Emails** to affected stakeholders
- **Construction Information Line:** 703-592-6430 (monitored daily)



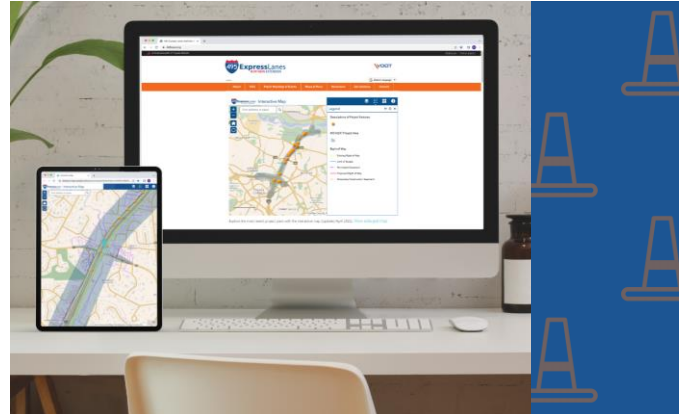
Use QR code to subscribe to project update emails



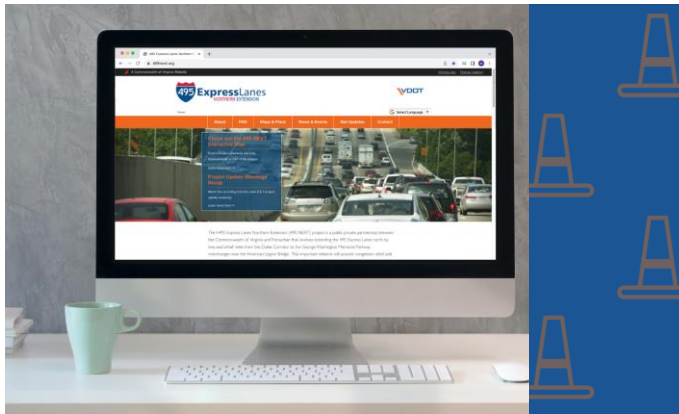
# Public Information Tools



Newsletters and Weekly Lane Closure Reports Emailed to Subscriber List



Interactive Map Showing Project Design



495NEXT.org – Project Website



News Releases and Media Outreach

## Resources and Contacts:

Email: [495NorthernExtension@VDOT.Virginia.gov](mailto:495NorthernExtension@VDOT.Virginia.gov)

Construction Information Line: 703-592-6430 (monitored daily)

VDOT: Michelle Holland, 703-586-0487

Transurban: Brent McKenzie, 571-326-5609

Lane Construction: John Undeland, 703-785-3461

Project Update Meeting Coming Spring 2023



Use QR code to sign up for project update emails



@VaDOTNOVA





**THANK YOU**