



Project Update Meetings

Construction and Design Information

495 Express Lanes Northern Extension Project

In-Person Meeting

June 6, 2022

6:30 - 8:30 p.m.

Presentation at 7 p.m.

Langley High School

6520 Georgetown Pike, McLean, VA 22101

Virtual Meeting

June 7, 2022

6:30 - 8:30 p.m.

Presentation at 6:30 p.m.

Meeting details available at:

495NEXT.org/public_meetings

495 NEXT Project Overview

- Approximate 2.5-mile extension of 495 Express Lanes from I-495 and Dulles Toll Road interchange to George Washington Memorial Parkway in the vicinity of the American Legion Bridge
- Public-private partnership project between VDOT and Transurban through 2087
- Design-build contractor is Lane Construction



PROJECT GOALS

Reduce congestion

Provide additional travel choices

Improve travel reliability

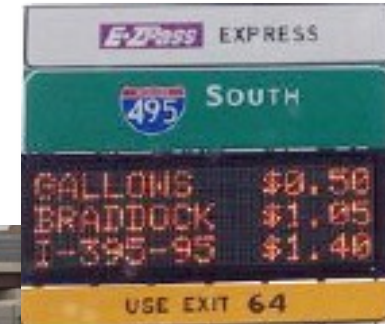
Enhance safety

Move more people

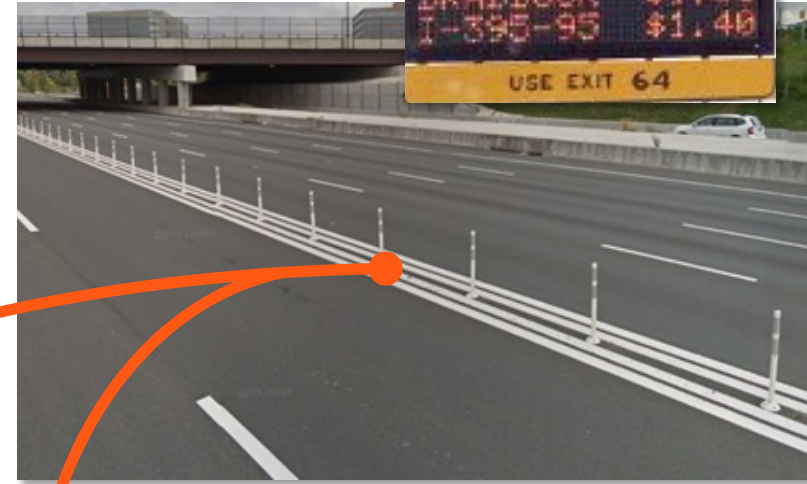
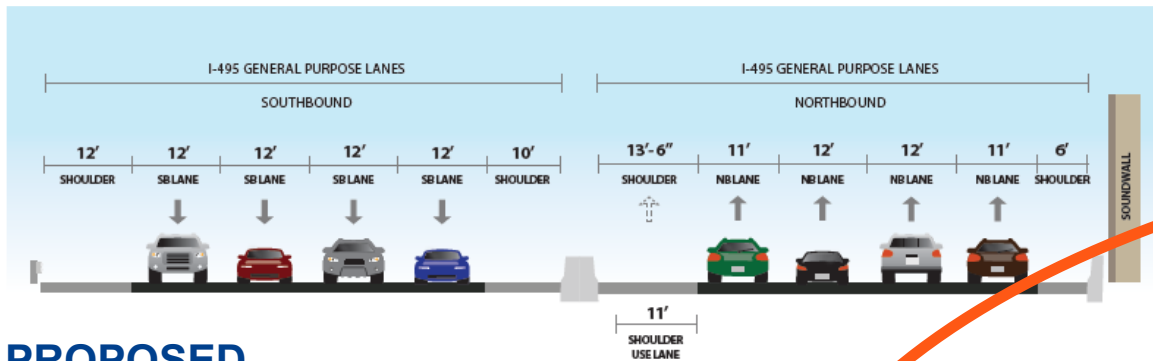
495 NEXT Express Lanes Overview

About Express Lanes

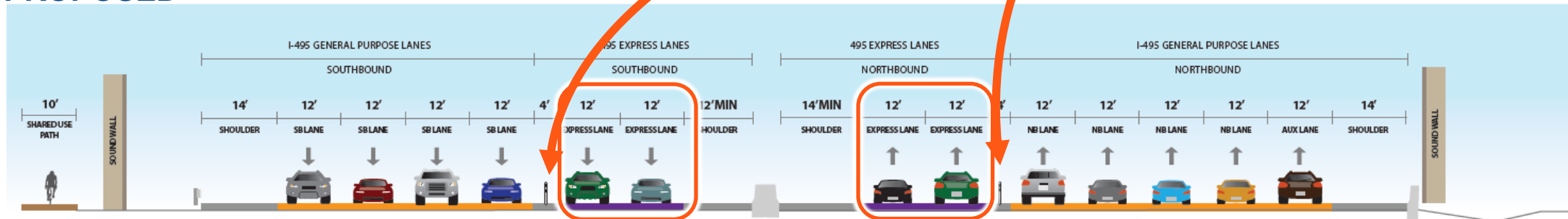
- Two dynamically tolled lanes in each direction on I-495
- Free use for HOV 3+ vehicles and transit vehicles



EXISTING

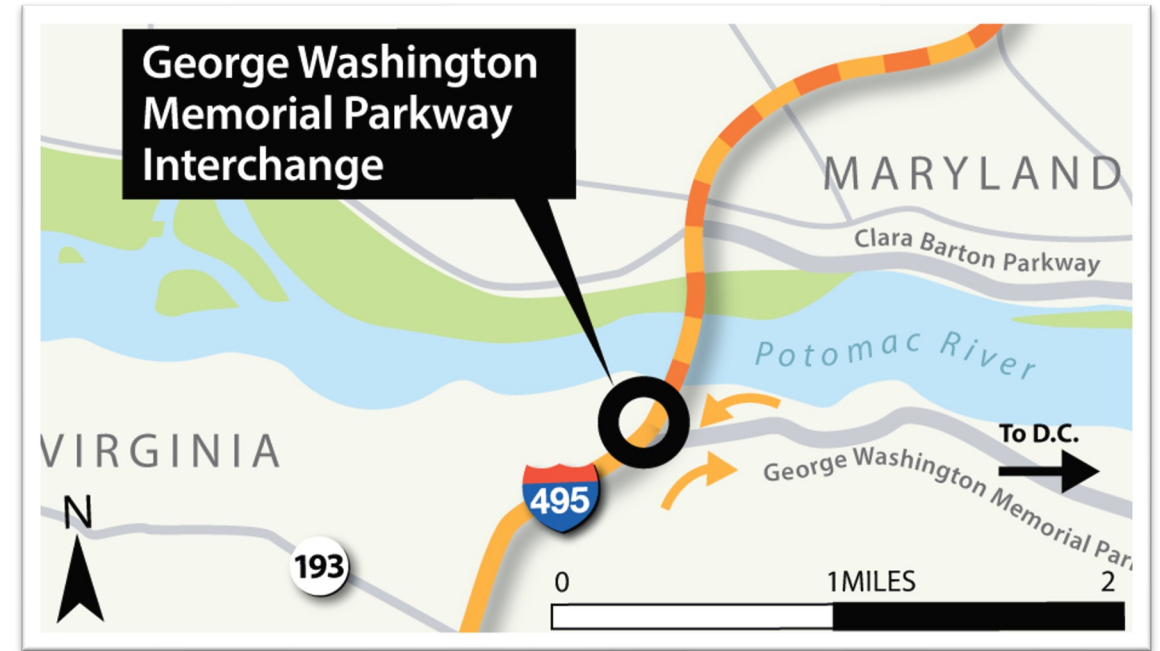
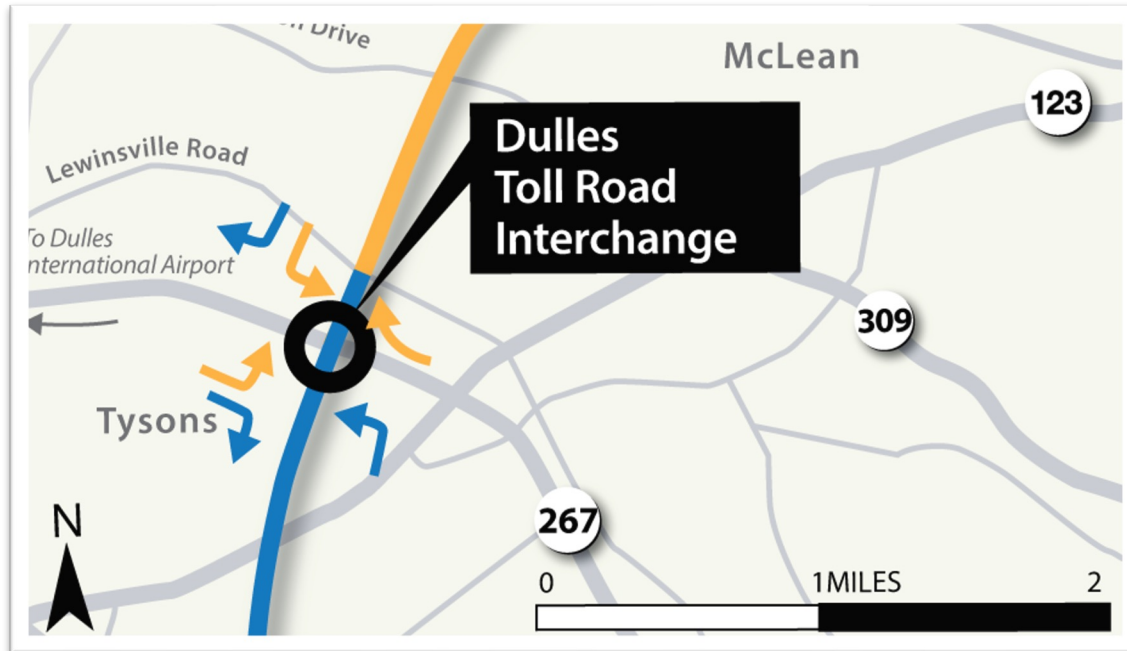


PROPOSED



495 NEXT Project Overview

Accessing Express Lanes



Other 495 NEXT Project Elements



Improve interchanges and replace existing bridges



Add bike and pedestrian trails



Replace existing noise walls and construct new walls where needed

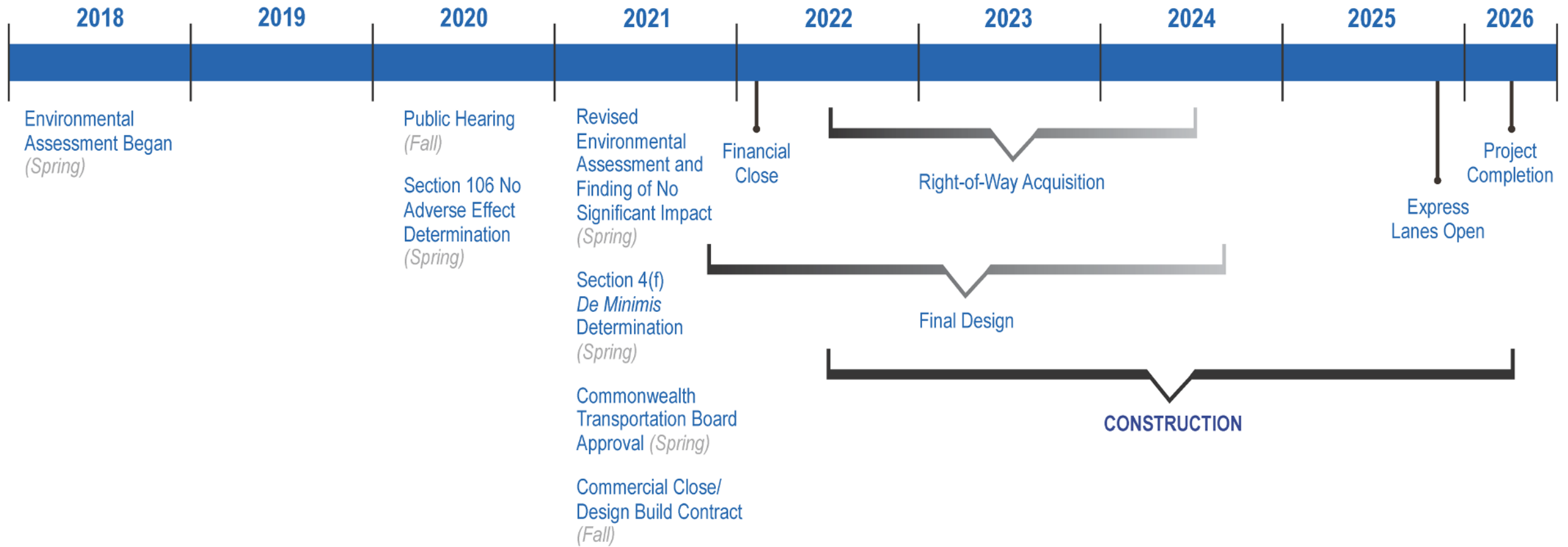


Provide stormwater management facilities



Provide stream restoration and stabilization

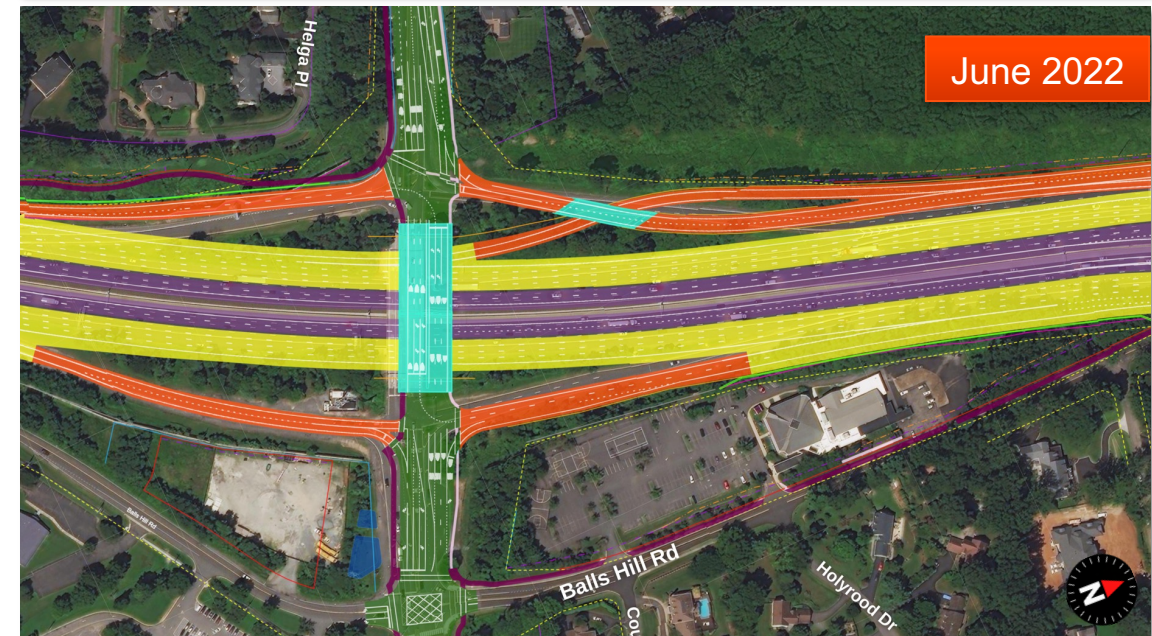
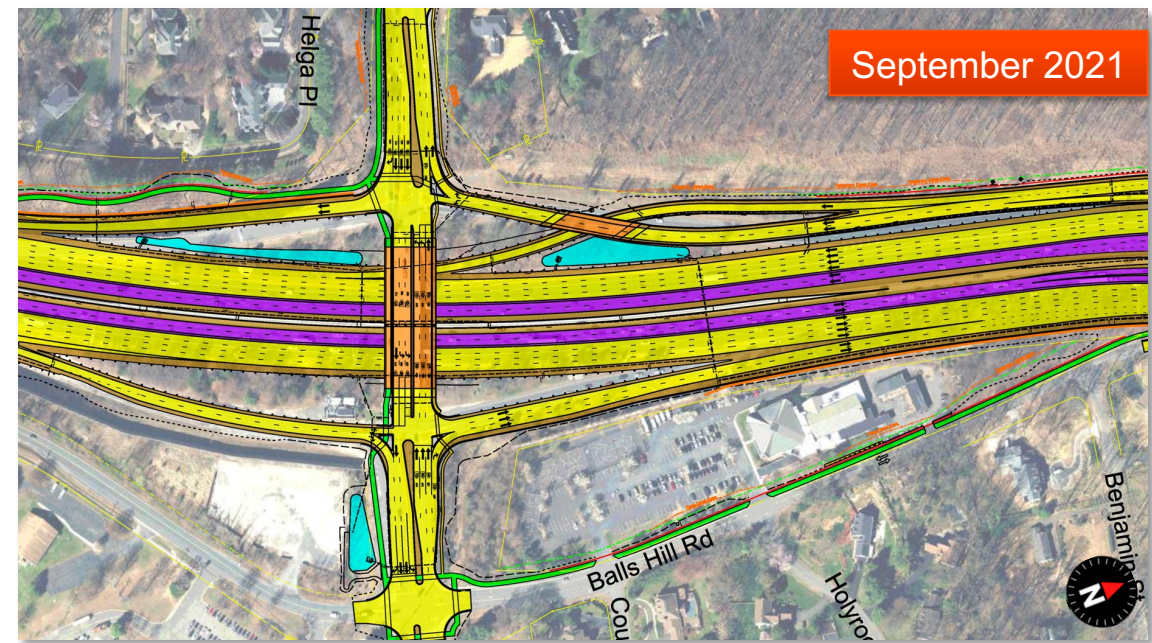
495 NEXT Project Timeline



Design Updates

Georgetown Pike Interchange

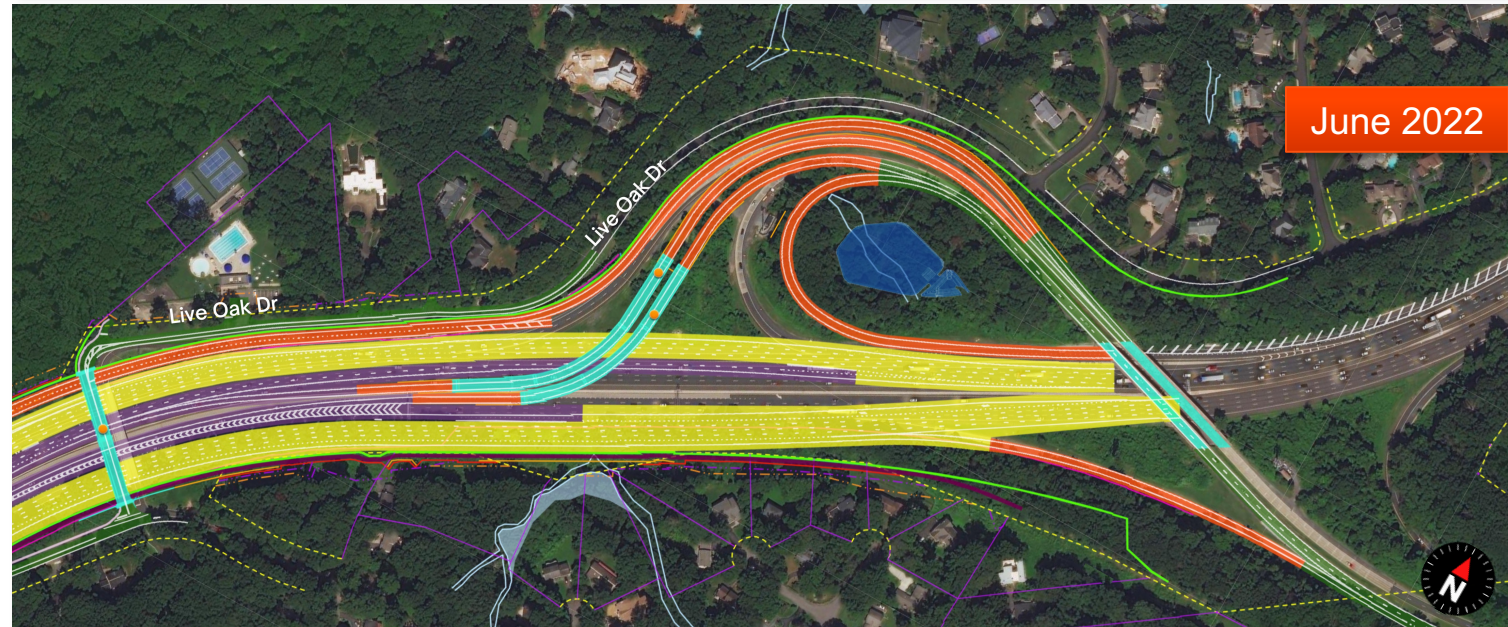
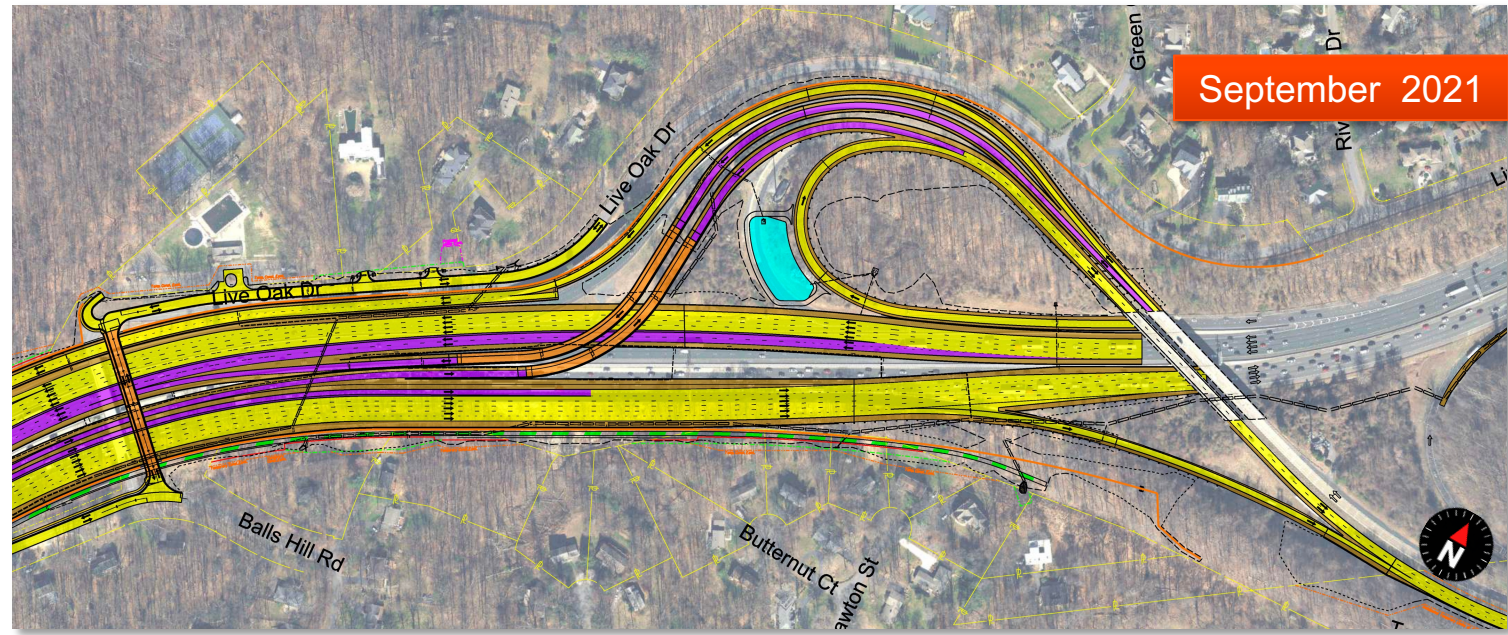
- Revised Georgetown Pike overpass typical section
 - Trail connection to Scotts Run Nature Preserve
 - Wider bridge with six-foot-wide sidewalk on north side of bridge
- Revised Georgetown Pike interchange ramps configuration
 - Channelized free-flow right-turn from westbound Georgetown Pike to northbound I-495
 - Acceleration and merge lane with increased merge distance on northbound I-495 on-ramp



Design Updates

Live Oak Drive

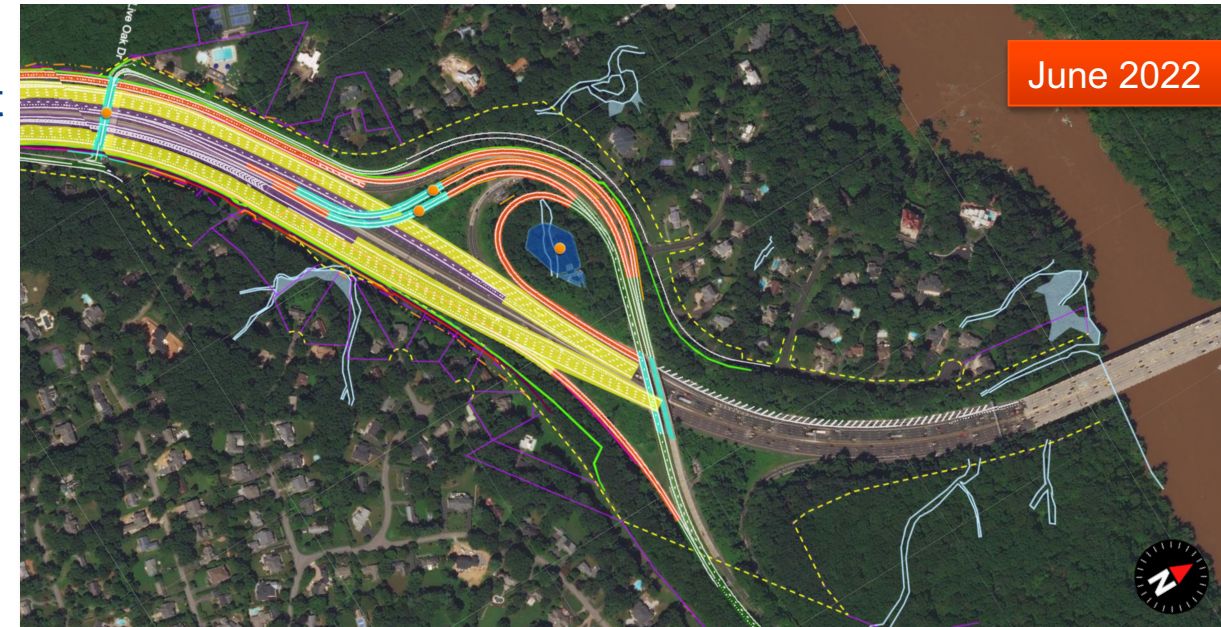
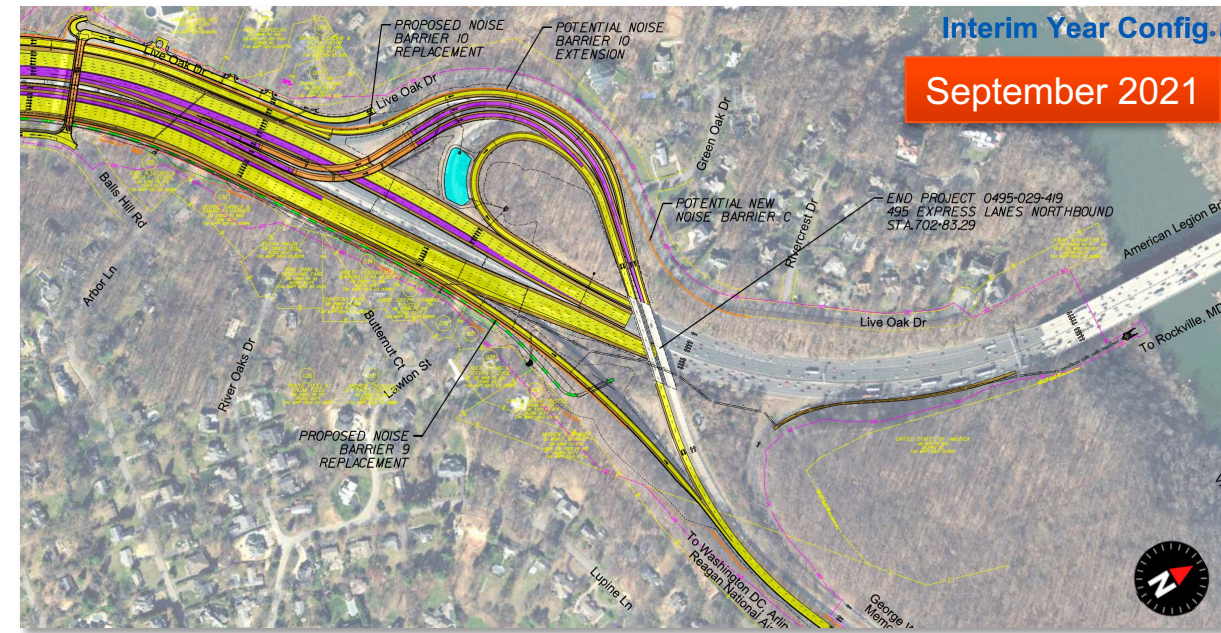
- New Live Oak Drive bridge will be built south of existing bridge
- New bridge location minimizes disruption and allows existing I-495 retaining wall to remain in place during construction
- Design ensures no increase in stormwater flows to sensitive stream outfall that drains through Live Oak community



Design Updates

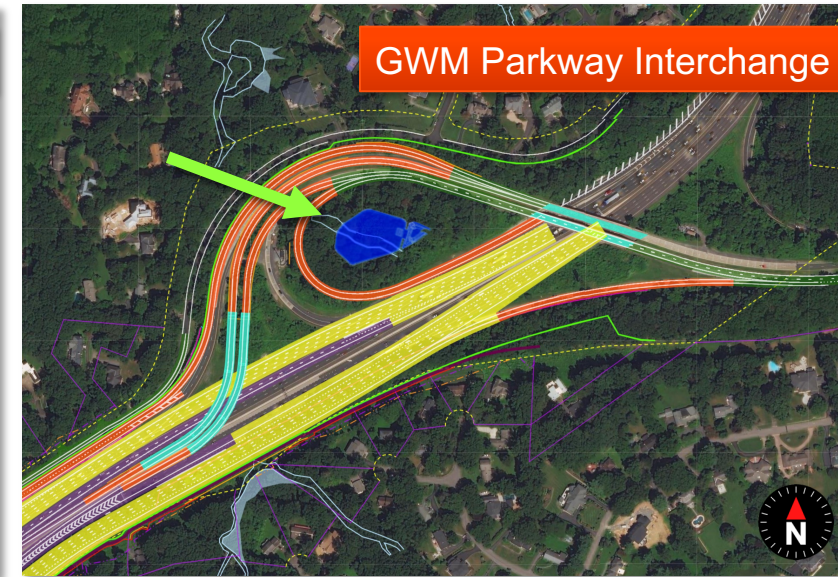
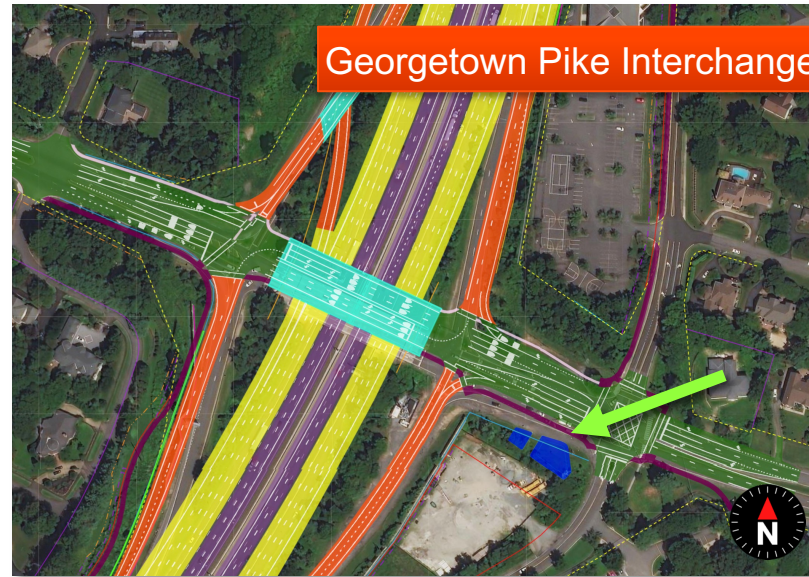
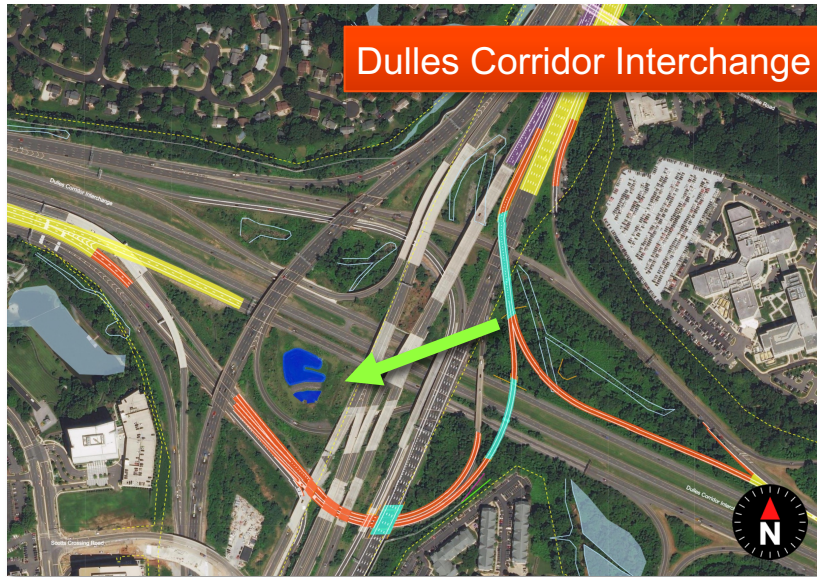
George Washington Memorial Parkway Interchange

- Reduced ROW impacts and visual impacts
- Adjustments made to connect with future Maryland Express Lanes
 - Ramp to flyover southbound I-495 instead of northbound I-495
 - Northbound I-495 general purpose lanes will shift further north to tie into ramp on Maryland project
 - Pedestrian tunnel will be constructed with Maryland project
- Enlarged stormwater management pond within loop ramp
 - Removing 1500 linear feet of large diameter pipe
 - Reducing number of stormwater management facilities across project corridor



Design Updates

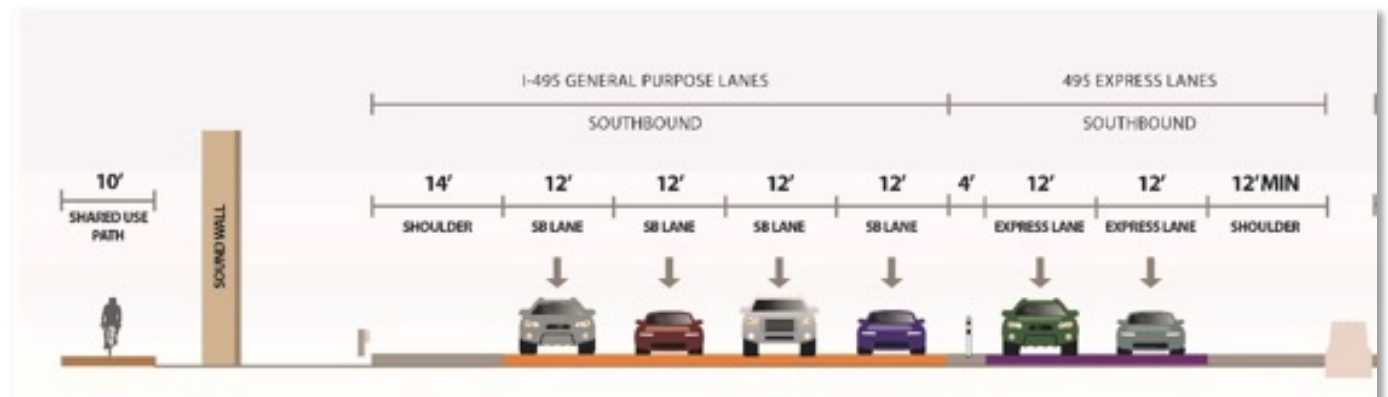
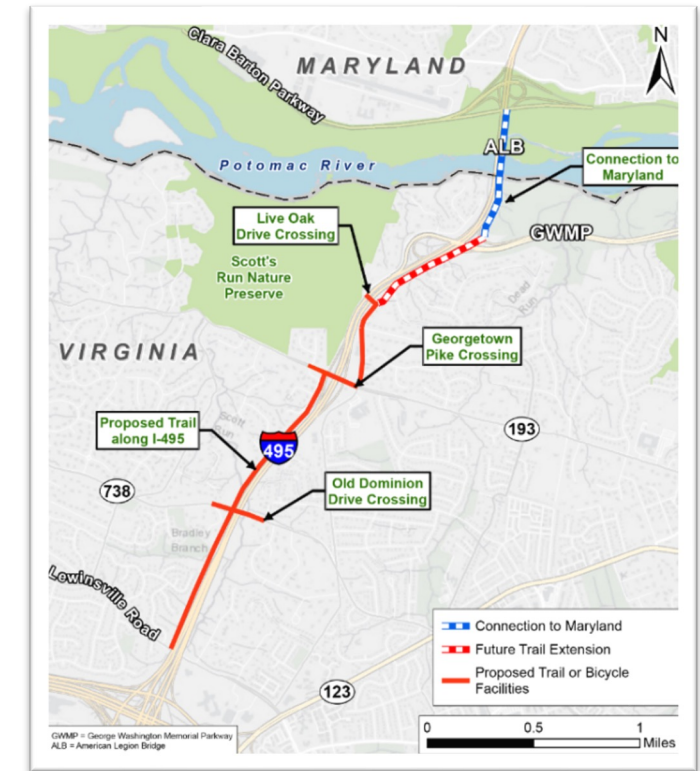
Stormwater Management



- Condensed stormwater management (SWM) facilities from 19 to 3
- Dulles Corridor Interchange SWM pond will be a conversion of an existing facility to provide additional coverage and compensate for increased project impervious area
- George Washington Memorial (GWM) Parkway Interchange SWM pond will collect a large portion of onsite drainage from Georgetown Pike to GWM Parkway Interchange

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



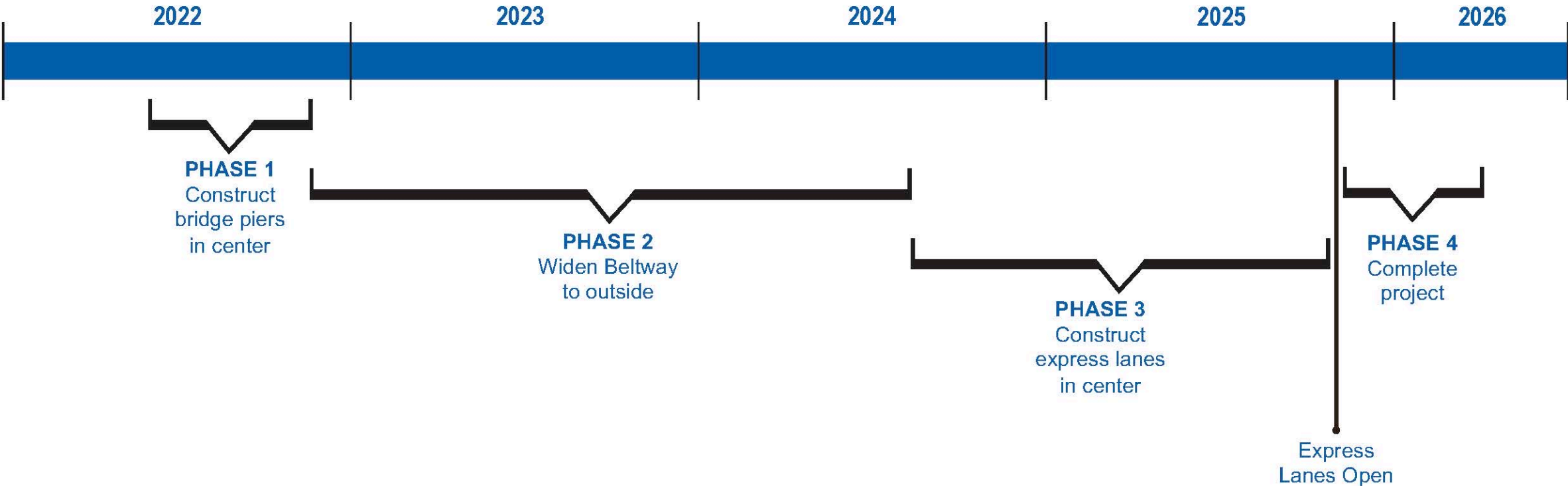
Design Updates

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

Construction Timeline



Upcoming Construction Activities

Look Ahead: June-December 2022

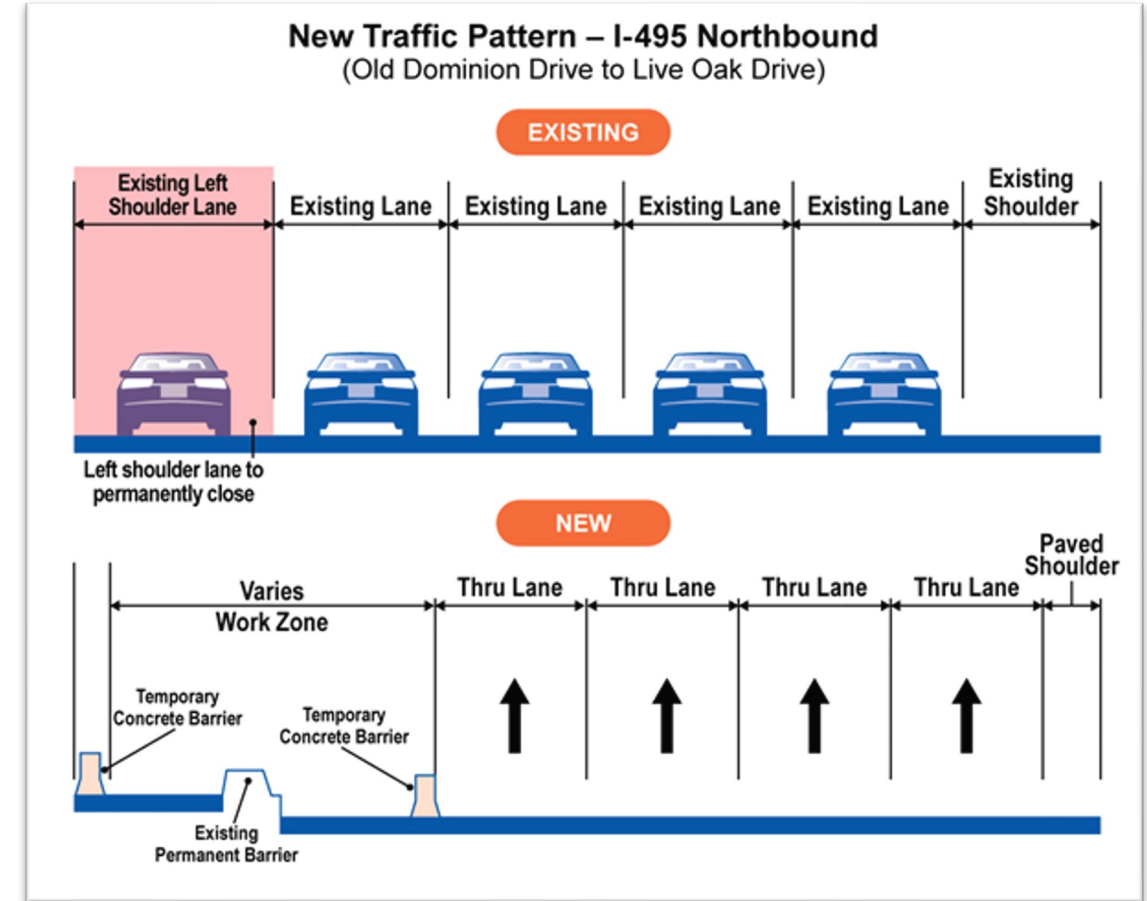
- Live Oak Drive Bridge and Roadway Shift
 - Clear vegetation, as necessary
 - Begin demolition of existing noise barriers and construction of new noise barriers
- Georgetown Pike Bridge
 - Shift traffic to south side of bridge
 - Demolish existing median
 - Demolish portion of north side of bridge
- Old Dominion Drive Bridge
 - No work planned at this time
- Lewinsville Road Bridge
 - No work planned at this time

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

Construction Activities

Left-Shoulder Lane Closure on I-495 North

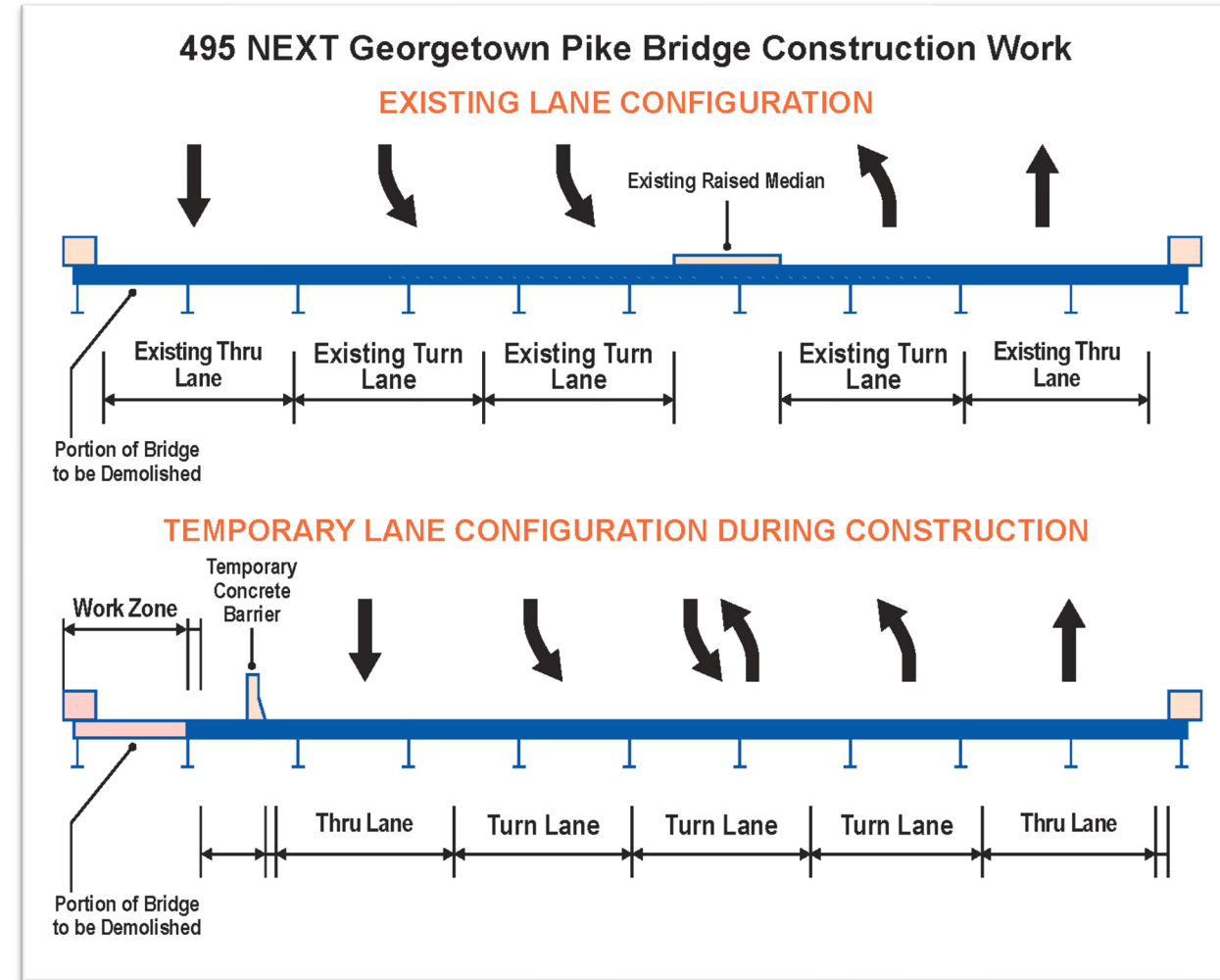
- Permanent closure of northbound left-shoulder (green arrow/red X) lane between end of current 495 Express Lanes and GWM Parkway
 - Temporary closure of southbound left shoulder
 - Four lanes restriped and realigned to the outside
 - Temporary barriers placed to secure the center work zone for the safety of travelers and workers
 - Work began early June
- **Purpose:** Create space in center of Beltway to construct bridge piers at Old Dominion Drive, Georgetown Pike and Live Oak Drive



Construction Activities

Georgetown Pike Bridge

- Demolishing bridge median and placing temporary barrier
- Shifting traffic in both directions slightly south on the bridge
- Periodic lane closures will be implemented during non-peak travel periods
- **Purpose:** Preparing for demolition of northern portion of bridge
- **Completion of bridge replacement: 2025**



What Residents Can Expect

Construction Activities: June-December 2022

- Removal of trees and other vegetation on both sides of I-495 as needed
- Periodic single-lane traffic with flaggers on local roads during off-peak hours
- Backups and delays related to work on I-495 and local roads are expected
- Overnight demolition of bridges and associated noise



Single-lane traffic operation on Live Oak Drive during January 2022 test boring

Minimizing Construction Impacts

- Committed to reducing construction impacts, while maintaining schedule
- Certain activities are unavoidably noisy and impactful, and some must be performed during nighttime hours
- Expect periodic traffic impacts on local roads crossing or in the vicinity of the Beltway
- Advance notice to neighbors and travelers through social media posts, subscriber newsletters, traditional media announcements, community briefings and more

495 ExpressLanes
NORTHERN EXTENSION

Project Update and Field Activity Report
I-495 Express Lanes Northern Extension (495 NEXT) Project

Issue 5 | May 11, 2022

In This Issue...

- Project Update Meetings on June 6 and 7
- Upcoming construction activities and traffic changes
- Current field work
- New interactive map with the most recent project plans

Sign up for 495 NEXT emails to receive information on Project Updates and Lane Closures

VDOT **495 ExpressLanes**
NORTHERN EXTENSION

**495 Express Lanes Northern Extension (495 NEXT)
Scheduled Lane Closures and Traffic Changes
For May 31 - June 5, 2022**

Upcoming Highlights

Stay alert to the following planned construction-related lane closures and traffic changes. All work is subject to change based on weather conditions and other factors. Motorists can expect potential delays in these areas due to construction activities. Find current information on travel conditions and work zones by visiting 511virginia.org.

Right of Way Process

Summer 2022:

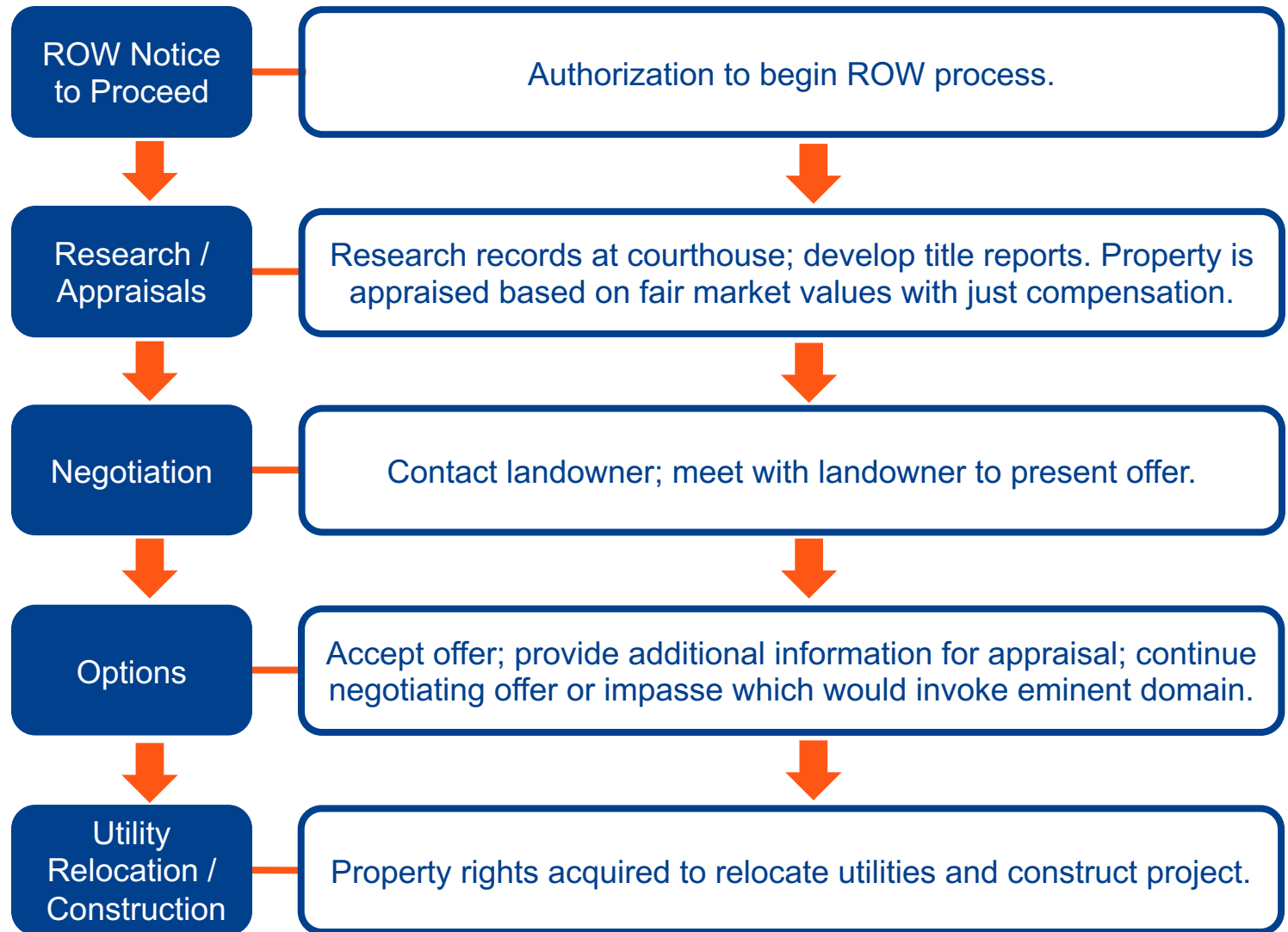
Appraisal of properties and preparing offer packages

Fall 2022 – Winter 2023:

Begin making offers and negotiations with property owners

Spring 2023:

Acquisitions to be completed



Design Noise Analysis Process

- Final noise analysis to be completed in summer 2022
- Based on design plans and updated traffic:
 - *Is the wall warranted?*
 - *Is the wall feasible?*
 - *Is the wall reasonable?*
- Publish final noise study results and proposed noise wall locations on 495NEXT.org
- If construction impacts an existing wall, a replacement wall will be provided
- For new walls, input will be solicited from benefited property owners and renters (voting process)
- Include approved noise walls into final plans



Example of dry stack (simulated stone) noise wall

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
- Working with transit providers and jurisdictions to identify options and timing for providing services across the two counties

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
 - Potential 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

Maryland and Virginia Coordination

Maryland and Virginia working together to coordinate Maryland's Phase 1 South project and Virginia's 495 NEXT project

Key Elements:

- Provide a new American Legion Bridge and new bicycle and pedestrian access to connect trails on both sides of Potomac River.
- Final agreement will define how Maryland and Virginia projects will “interface” including:
 - Design and construction requirements
 - Operations and maintenance roles
 - Seamless regional dynamic toll lane network with each state operating its system independently

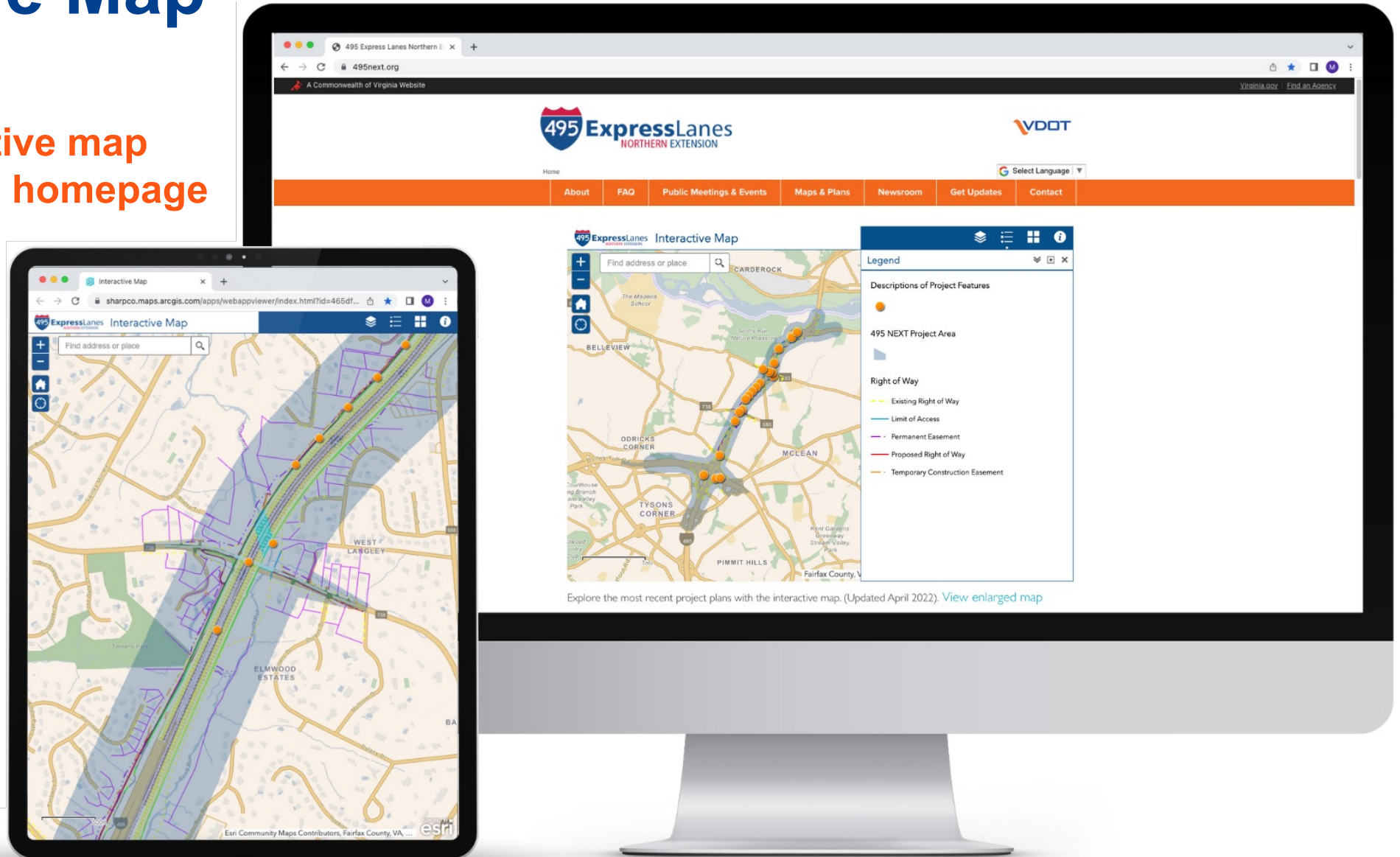


George Washington Memorial Parkway Coordination

- National Park Service (NPS) in partnership with Federal Highway Administration (FHWA) is conducting a rehabilitation of the northern section of the GWM Parkway
- NPS rehabilitation project involves road and bridge work from Spout Run Parkway to I-495
- VDOT is holding regular meetings with NPS and FHWA teams to coordinate construction activities of both projects
- Transportation management strategies and maintenance of traffic plans for 495 NEXT and GWM Parkway rehabilitation project are being closely coordinated, taking into consideration timing of the construction activities

Interactive Map

View the interactive map on the 495 NEXT homepage at 495NEXT.org



Stay Informed

Visit www.495NEXT.org

Email 495NorthernExtension@VDOT.Virginia.gov

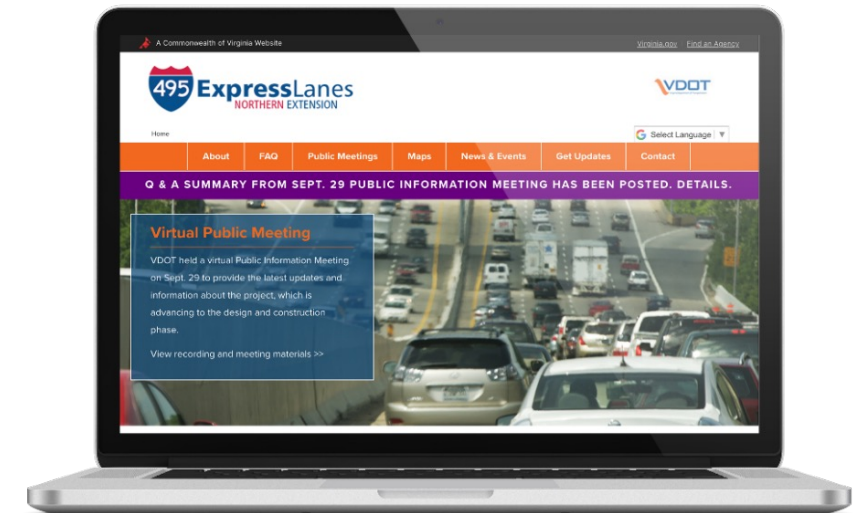
Construction Project Inquiry Line: 703-592-6430

Contact

- VDOT: Michelle Holland, 703-586-0487
- Transurban: Brent McKenzie, 571-326-5609
- Lane Construction: John Undeland, 703-785-3461



Scan the QR code to sign up to receive project update emails





| QUESTION AND ANSWER SESSION