

495 NEXT PROJECT UPDATE

McLean Citizen Association Transportation Committee Meeting

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

June 5, 2023

Agenda

- **Team introductions**
- **Overview of 495 NEXT Project**
- **Completed construction work**
- **Current and upcoming construction impacts**
- **Outreach and project information resources**

495 Express Lanes Northern Extension Project (495 NEXT)

- Approx. \$660 million, 2.5-mile extension of 495 Express Lanes from Dulles Corridor interchange to George Washington Memorial Parkway (GWMP) near the American Legion Bridge
- Public-private partnership project between VDOT and Transurban through 2087



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

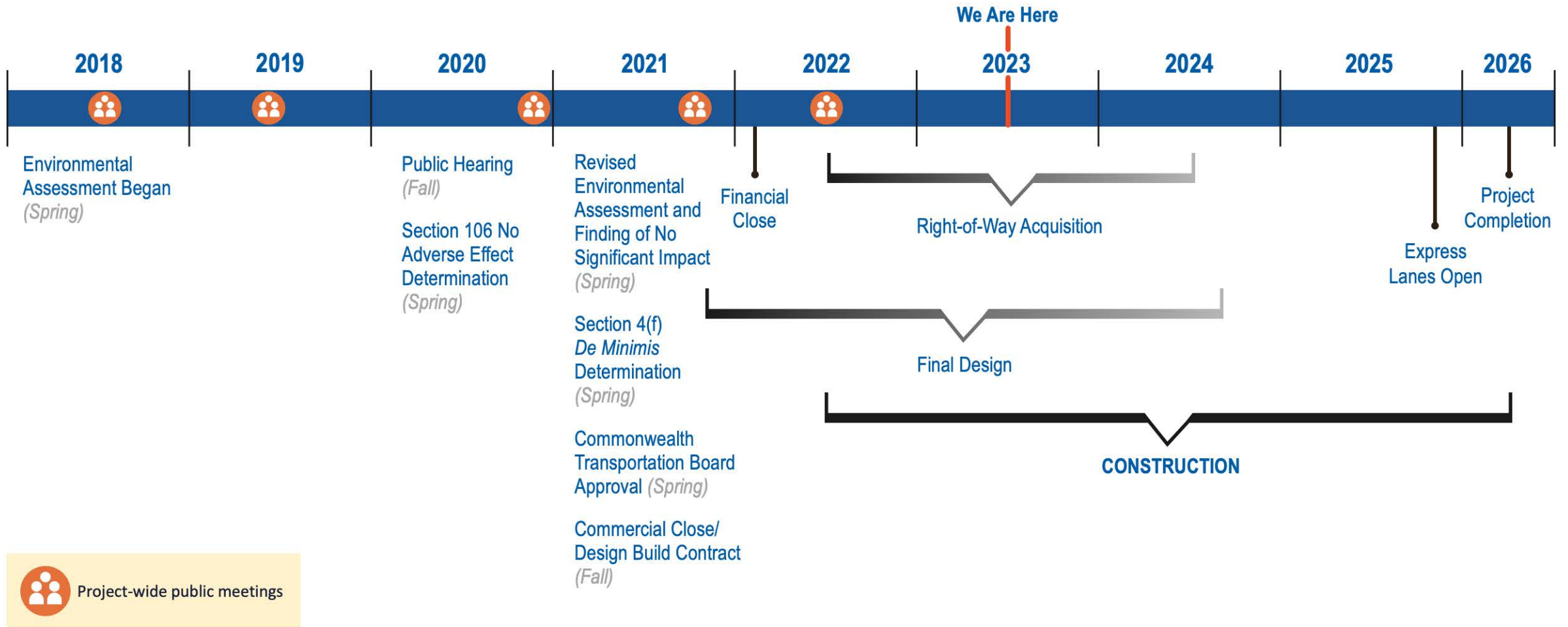


Provide stream restoration and stabilization

Other Project Benefits



495 Express Lanes Northern Extension Project Timeline



Widened Beltway & Bike-Pedestrian Trail Construction

Construction Activities

- **Mid-2023:** Relocate utilities
- **Mid-2024:** Perform grading, install drainage, construct retaining walls
- **Late 2024 / Early 2025:** Complete construction of new outside lanes
- **Mid-2025:** Complete installation of new noise walls
- **Late 2025:** Complete construction of new inside lanes and open new Express Lanes
- **Early 2026:** Complete new bike-pedestrian trail and new Scott's Run Nature Preserve parking lot
- **Noise walls:** Now approximately 50% removed
- **Trees:** Now approximately 95% cleared



The footprint of the wider future Beltway as viewed from the Old Dominion Drive overpass looking north

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

Live Oak Drive Bridge Construction

Bridge will feature wider sidewalks and connect to new Bike-Pedestrian Trail

Construction Activities

- **April 2023:** Shifted portion of Live Oak Drive
- **May 2023:** Tree clearing on acquired VDOT right of way
- **Summer / Fall 2023:**
 - Relocate overhead and underground utilities
 - Drive piles for Live Oak Drive bridge over Beltway
 - Shift Live Oak Drive slightly west to enable Beltway construction
- **2024:** Install replacement and new sound walls
- **Spring 2025:** Complete Live Oak Drive Bridge
- **Spring / Summer 2025:** Demolish old bridge



Looking south, new pavement for temporarily realigned Live Oak Drive is apparent on left

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

Georgetown Pike Bridge Construction

Bridge will feature wider sidewalks and connect to new Bike-Pedestrian Trail and new Scott's Run Nature Preserve parking lot

Construction Activities

- **Summer 2023:**
 - Complete installation of abutments
 - East abutment pile driving started June 5 (daytime)
 - West abutment pile driving in late Summer 2023
 - Relocate utilities and highway signage
- **Late 2023 / Early 2024:**
 - Complete girder erections (nighttime)
 - Install deck and other bridge components
 - Transfer traffic onto new bridge
- **Late 2024 / Early 2025:** Demolish old bridge

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



Looking east, future alignment of Georgetown Pike Bridge

Old Dominion Drive Bridge Construction

Bridge will feature wider sidewalks and connect to new Bike-Pedestrian Trail

Construction Activities

- **Mid / Late June 2023:** Pile driving on east side of Beltway (day-time)
- **Fall / Winter 2023 - Early 2024:**
 - Additional pile driving on both sides of Beltway
 - Install retaining wall and fill to match road elevation
- **Fall / Winter 2024:**
 - Mount girders (night-time)
 - Construct deck and other elements of bridge
 - Transfer traffic onto new bridge
- **Fall 2025: Demolish old bridge**



Looking north, piles will be driven for the future Old Dominion Drive bridge starting in mid June

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

Lewinsville Road Bridge Sidewalk Construction

Replace 5-foot-wide sidewalks with
10-foot-wide sidewalks

Add New Bike-Pedestrian Path
(Lewinsville Road is terminus)

Construction Activities

- **March - June 2023**
 - Restripe roadway
 - Demolish old sidewalks
(alternated to maintain pedestrian access)
 - Install new sidewalks



Workers finishing one side of sidewalk on the Lewinsville Road bridge

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

Design Noise Analysis Process

- **Final noise analysis completed in April 2023**
- **Based on design plans and updated traffic:**
 - *Is the wall warranted?*
 - *Is the wall feasible?*
 - *Is the wall reasonable?*
- **Final noise study results and proposed noise wall locations available on [495NEXT.org](https://www.495NEXT.org)**
- **If construction impacts an existing wall, a replacement wall will be provided**
- **For new walls, input is solicited from benefited property owners and renters (voting process)**



Example of dry stack
(simulated stone) noise wall

Virginia's 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



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 are required to safely complete work

How We Provide Advance Notice:

- **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



Commitment to Neighbors

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

Public Information Tools



Newsletters & Weekly Lane Closure Reports



Interactive Map Showing Project Design



495NEXT.org Project Website



News Releases & Media Outreach

Resources and Contacts:

Email: 495NorthernExtension@VDOT.Virginia.gov

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

VDOT: Michelle Holland, 703-586-0487

Transurban: Amanda Allen, 571-249-8784

Lane: John Undeland, 703-785-3461



@VaDOTNOVA



Use QR code to subscribe to project update emails

THANK YOU

