

495 EXPRESS LANES NORTHERN EXTENSION PROJECT (495 NEXT)

McLean Citizens Association

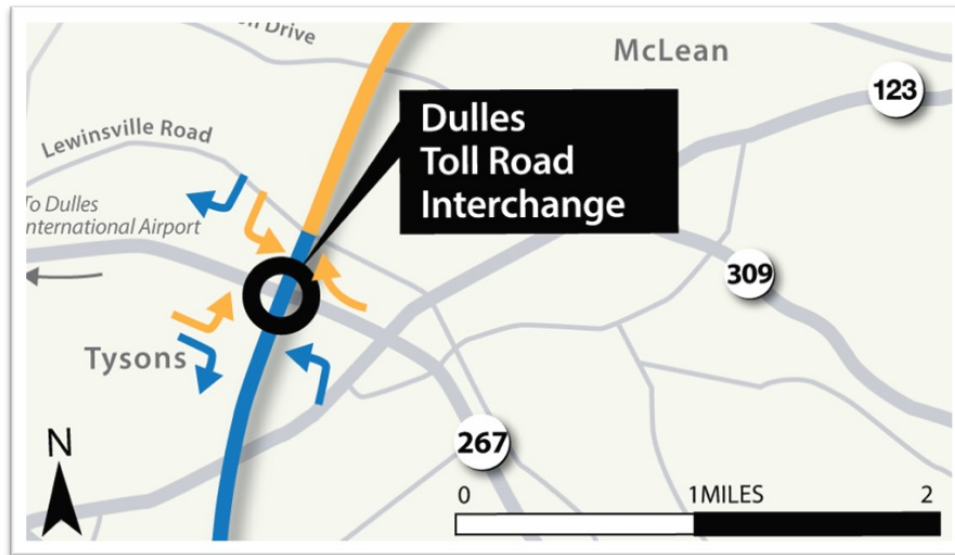
Transportation & Environment, Parks & Recreation Committees Meeting

| Virginia Department of Transportation

March 12, 2024

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
- Express Lanes scheduled to open late 2025
- Project completion in mid-2026



● General Purpose and Express Lanes Access ■ Existing I-495 Express Lanes ↙ Existing Access ↘ Proposed Access ■ Proposed Extension ■ Under Study by Maryland

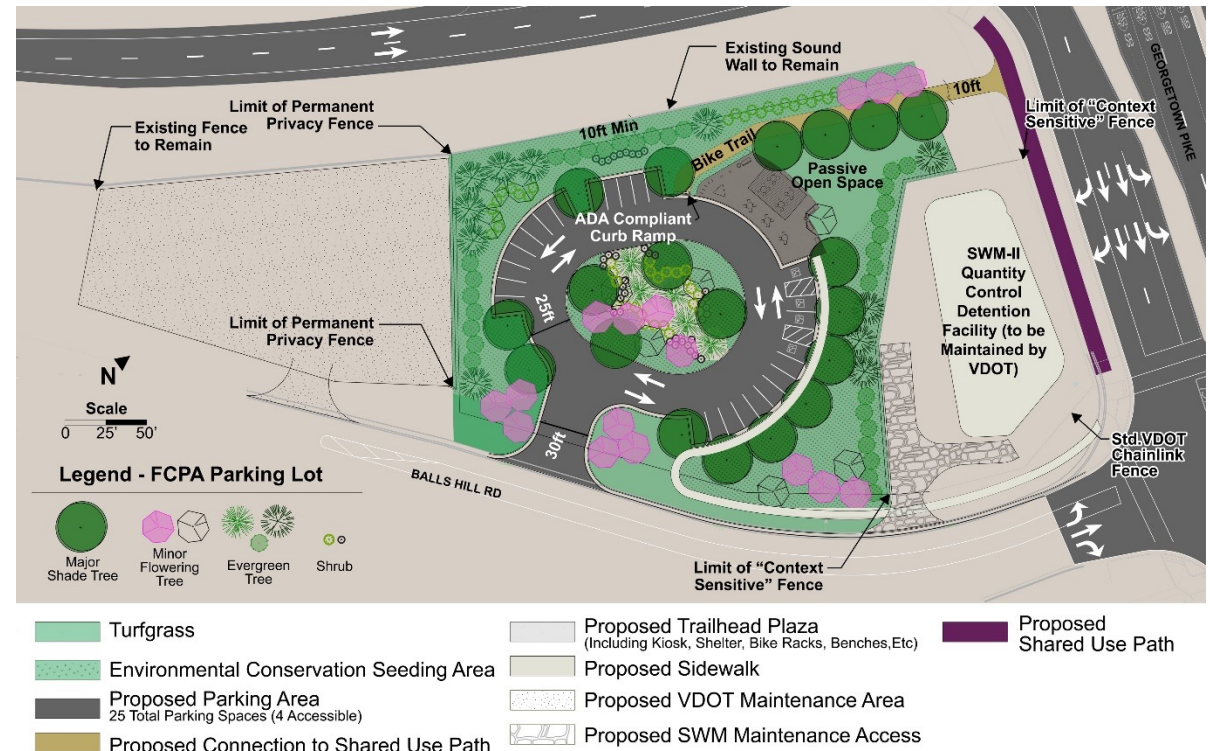
Environmental and Sustainability Commitments

- Transurban provided \$1.387M to Fairfax County for restoring approximately 3,000 linear feet of Scott's Run
- Stabilize stream banks at two locations along Scott's Run



Fairfax County Park Authority Replacement Land

- Create parking and trail connection to Scott's Run and new bike-pedestrian trail
- VDOT Maintenance Yard with privacy fence next to park



Clearing Activities and Revegetation Plan

Clearing and Tree Removal

- **Clearing began Summer 2022, 95% complete as of Dec. 2023**

Revegetation Plan

- **Conceptual revegetation plan available in spring 2024, with highlights shown at public meetings in April**
- **To be implemented after construction within 495 NEXT corridor where space allows**

Construction Sequence

- Started construction: **March 2022**
- Remove noise walls and clear trees to widen Beltway: **late 2022-early 2024**
- Install drainage, perform earthwork, construct new lanes outside current I-495 alignment: **2023-2024**
- Shift traffic to outside lanes to enable construction of inside lanes: **late 2024-early 2025**
- Open Express Lanes: **late 2025**
- Complete overall project: **mid 2026**



A crew lays down base asphalt for the future GW Parkway to southbound I-495 ramp (March 2024)

Drainage and Stormwater Management Facilities

- **Over two miles of drainage pipe installed in 2023, will continue through 2024**
 - **Now to mid 2024:** Grade periphery of existing Beltway to uniform elevation, install replacement waterline and drainage, construct retaining walls
- **Three stormwater management facilities**
 - Stormwater management pond (SWM) near George Washington Memorial Parkway interchange operating as a sediment basin, will be converted into SWM pond in final phase of project
 - Two ponds remain in progress
- **Coordination with National Park Service (NPS)**
 - Very little amount of drainage infrastructure and no stormwater infrastructure present on NPS boundaries
 - No SWM facilities or related easements/right of way necessary with the project
 - Responsive to and coordinating closely with NPS for any construction on NPS right of way
- **All stormwater infrastructure within VDOT right of way is designed and reviewed per VDOT and/or Virginia Department of Environmental Quality standards**
- **Stormwater designs are being coordinated with Maryland for their design plans north of the river**
- **No roadway construction for Virginia (beyond ITS and signage) north of project terminus**
- **DEQ regulations (following Federal guidance) identify phosphorus as benchmark pollutant for VSMP/SWM and water quality design criteria; Virginia does not have a separate regulation on salt application for snow hazard mitigation**

Bridge Construction

- **Replace old bridges with upgraded new bridges featuring wider sidewalks and trail connections**
 - Live Oak Drive
 - Georgetown Pike
 - Old Dominion Drive
- **Improve existing Lewinsville Road bridge**
 - Widen sidewalk
- **Install additional ramp and Beltway bridges**
 - Two overpasses for George Washington Memorial Parkway to southbound I-495 ramp
 - I-495 bridges over Scott's Run
 - Overpass for I-495 South to Georgetown Pike ramp
 - Two overpasses for Dulles Toll Road to I-495 North ramp
 - Overpass for I-495 North bridge over Dulles Toll Road ramp



Four 100-ton girders were lifted into place for an overpass for the future southbound I-495 to Georgetown Pike ramp (February 2024)

Bridge Construction Work Sequence

- Drive piles, complete abutments: **early/mid 2024**
- Lift and place girders (overnights, requires multi-lane closures and intermittent traffic stoppages on Beltway):
 - **Georgetown Pike:** late March/early April
 - **Live Oak Drive:** early/mid-April
 - **Old Dominion Drive:** fall 2024
- Install deck, barriers, signage and lane markings: **mid-late 2024**
- Switch traffic onto new bridges; demolish old bridges: **late 2024-early 2025**



An excavator shovels gravel into the western abutment of the new Georgetown Pike bridge (March 2024)

Live Oak Drive Construction

Remaining Work Sequence

- Demolish existing barrier walls across from Langley Swim & Tennis Club
- Complete waterline and drainage work
- Perform earthwork to level short length of Live Oak Drive to be shifted slightly west
- Install road foundation, pave and mark short length of Live Oak Drive
- Switch traffic: April/May 2024
- Demolish retired pavement
- Construct retaining walls to enable GW Parkway ramps to be built



Rollers complete paving for the future GW Parkway to southbound I-495 ramp (March 2024)

Georgetown Pike Bridge Construction

Work Sequence

- Place girders: **late March/early April**
- Install deck, barriers, signage and lane markings: **spring/summer 2024**
- Switch traffic onto new northern portion of bridge: **summer 2024**
- Demolish existing southern portion of bridge: **late 2024**
- Complete new southern portion of bridge: **mid 2025**
- Switch traffic onto final configuration of bridge: **late 2025**



Noise Wall Progress

- **Noise wall construction: early 2023 - early 2025**
- **Progress as of March 2024:**
 - More than 56 sections of new noise wall installed on northbound I-495 between Old Dominion Drive and Georgetown Pike
 - Awaiting installation of noise wall panels, more than 130 noise wall posts mounted between Old Dominion Drive and Live Oak Drive bridges



More than 90 noise wall posts installed along northbound I-495 between Georgetown Pike and Live Oak Drive (March 2024)

What Neighbors Should Expect

- **Pile driving and other noise-producing work**
- **Lane shifts on the Beltway, ramps and adjacent local roads**
- **Mid-day and overnight lane and shoulder closures on the Beltway, ramps and adjacent local roads**
- **Brief total traffic stoppages on the Beltway to install bridge girders and perform bridge demolition**
- **Brief overnight closures of bridges (Georgetown Pike, Live Oak Drive, Old Dominion Drive)**
- **Overnight bridge demolition and saw-cutting (infrequent)**



A crew works on the eastern abutment of the new Live Oak Drive bridge (January 2024)

495 NEXT Transportation Management Plan

Maintenance of Traffic

Traffic Operations and Incident Management

Local Network Operations and Traffic Analysis

Mitigation Strategies Implemented at Georgetown Pike


- Monitoring and adjusting traffic signal timing at Georgetown Pike and Balls Hill Road
- Moved stop bar at Georgetown Pike and northbound I-495 ramp
- Repainted cross hatching at Georgetown Pike and Balls Hill Road intersection
- Funding and coordination with Fairfax County Police Department for increased on-site presence
- Supplemental safety service patrol on I-495




Fairfax Connector Runs on 495 Express Lanes

New commuter bus service between Tysons and Bethesda launching this spring


- Route 798 will be operated by Fairfax Connector
- 495 NEXT funded \$5.2M for purchasing buses
- Transurban to provide \$2.2M per year for bus service operations
- Route will run on the 495 Express Lanes and over the American Legion Bridge



Carpool, vanpool,
or telework
while construction
continues on I-495.



Optimize Your Ride
as We Improve 495.



VDOT Coordination with Maryland

- VDOT currently focused on signage agreement for Virginia's 495 NEXT project
- Bi-state agreement will define how Virginia's 495 NEXT project and Maryland's American Legion Bridge and I-270 Corridor Program will interface
 - VDOT continues to coordinate and collaborate with Maryland and Fairfax County to ensure best outcome for the public



Staying Informed



Newsletters & Weekly Lane Closure Reports



Interactive Map Showing Project Design



Community and Neighborhood Outreach



News Releases & Media Outreach

Resources and Contacts:

- **Website:** 495NEXT.vdot.virginia.gov
- **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



Use QR code to subscribe to project update emails



April 2024 Public Meetings

- **Virtual Meeting**

Monday, April 8

6:30-8:30 p.m.

Meeting link available at 495NEXT.vdot.virginia.gov

- **In-Person Meeting**

Thursday, April 11

6:30-8:30 p.m.

Langley High School, McLean, Va