



ExpressLanes

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I-95 EXPRESS LANES

PROJECT BRIEFING
OCTOBER 2012

I-95 Express Lanes



- » **Build 9-mile extension of existing HOV lanes from Dumfries to Garrisonville Rd in Stafford County**
- » **Expand existing HOV lanes from 2 to 3 lanes for 14 miles between Prince William Parkway to vicinity of Edsall Road on I-395**
- » **Improve the existing two HOV lanes for six miles from Rt. 234 to Prince William Parkway**
- » **Add new or improved access to and from HOV/HOT network at key interchanges**



Partnership Delivers Benefits



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» Public-Private Partnership:

- 95 Express Lanes are the product of a public-private partnership between the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, the Federal Highway Administration and Transurban-Fluor
- The nearly \$1 billion 95 Express Lanes are funded through a contribution from the Commonwealth, private equity, and private activity bonds.



Project Scope

- Roadway Construction and Widening
- Drainage
- Noisewall Installation
- Installation of Toll Facilities
- 9 New Bridges, including 4 Flyovers
- Sign Structures
- Arterial Signs



One half of Virginia's growth over the last decade has been along the I-95 corridor.

Enhanced Travel & Safety

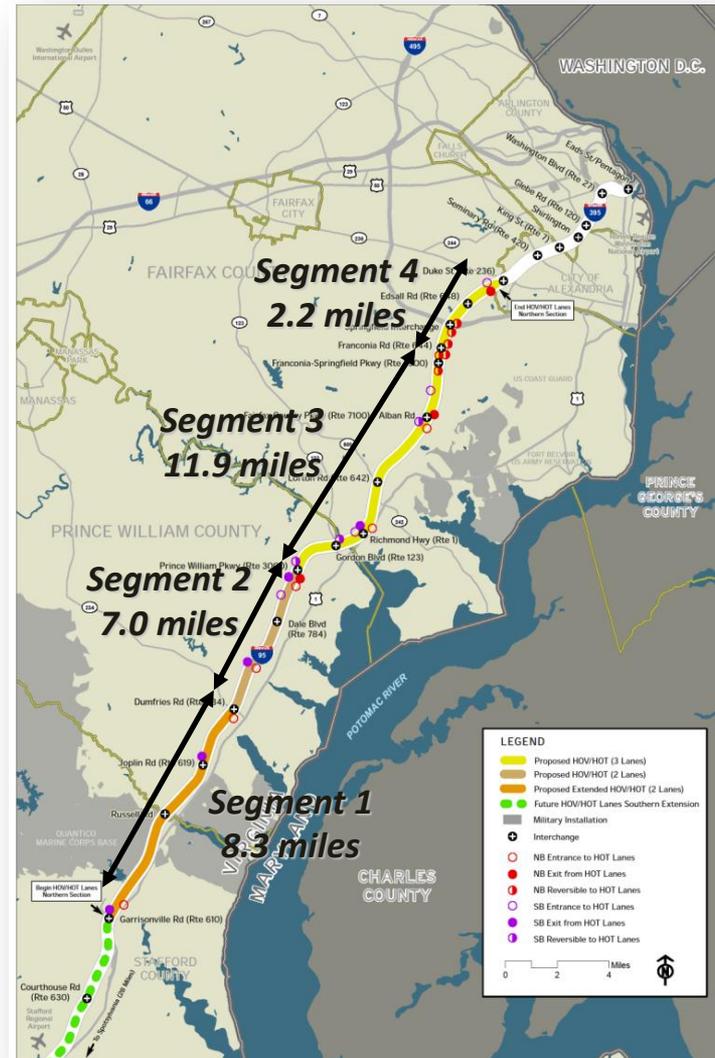
Active traffic management for faster, more predictable travel

- » Dynamic tolling based on real-time traffic conditions to manage traffic levels
- » Electronic signs display price
- » Improved incident response and traffic management
 - » State Troopers
 - » Cameras
 - » Automatic incident detection technology
 - » Express Lanes Operations Center
 - » Lane Use Management System (LUMS)
- » Enhanced driver information



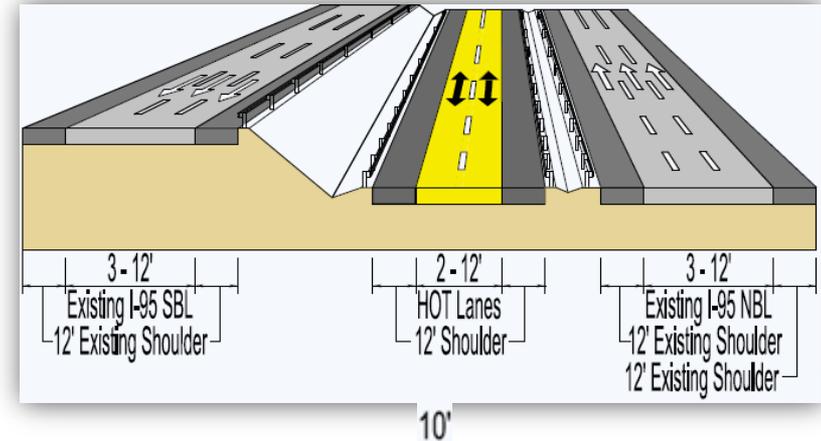
Construction in 4 Segments

- » Segment 1
 - Garrisonville Road to Dumfries Road
- » Segment 2
 - Dumfries Road to Prince William Parkway
- » Segment 3
 - Prince William Parkway to I-495
- » Segment 4
 - I-495 to North of Edsall Road



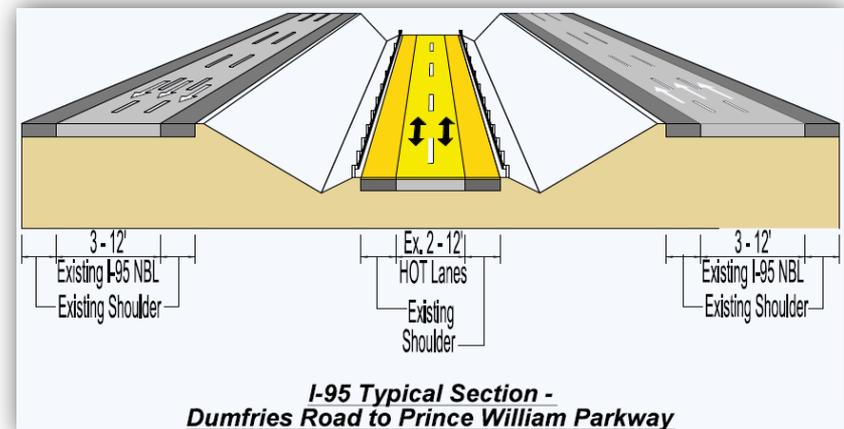
Segment 1 and 2

- » **Segment 1**
- » Garrisonville Road to Dumfries Road
- » 9-mile, two-lane extension
- » Flyovers at Joplin Road and Garrisonville Road
- » Telegraph Road Closed 9 Months – Spring 2013
- » Majority of work within median of I-95 general purpose lanes.



***I-95 Typical Section –
Garrisonville Road to Dumfries Road***

- » **Segment 2**
- » Dumfries Road to Prince William Parkway
- » Maintains Geometry of Existing Roadway
- » Adding Toll Locations
- » Pull-off/Enforcement Areas
- » Resurface Roadway



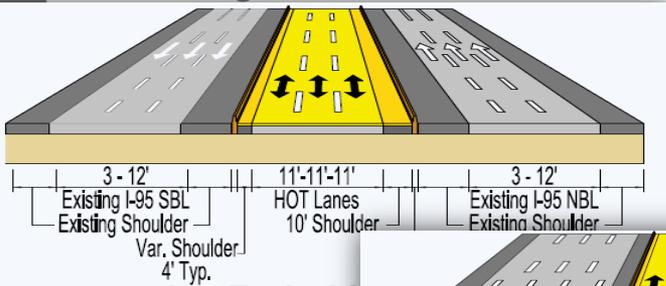
***I-95 Typical Section -
Dumfries Road to Prince William Parkway***



Segment 3 and 4

- » **Segment 3**
- » P. William Pkwy to I-495
- » Adding 3rd Lane
- » Fairfax Co. Pkwy. Flyover
- » Traffic Pattern Changes
 - Closure of SB HOV Slip Ramp to 95SB (Lorton) just south of Fairfax Co. Pkwy.
 - Closure of 95SB Ramp from Alban/Boudinot
- » Franconia Springfield Ramps and Bridge Work

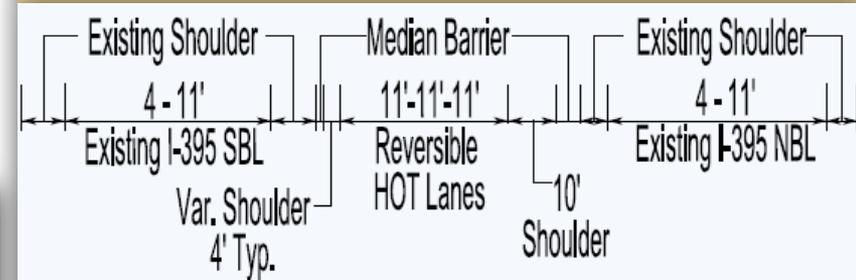
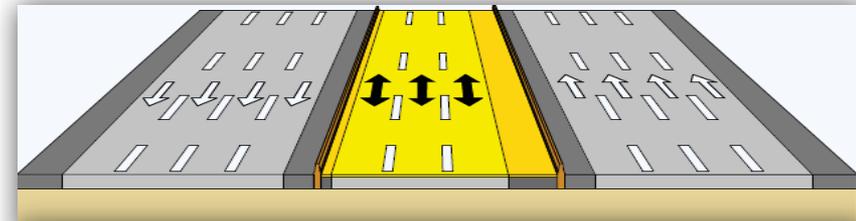
- » **Segment 4**
- » I-495 to North of Edsall Road
- » Adding 3rd Lane
- » Flyover between Edsall Road and Duke Street
- » Replacement of Guardrail north of 495 w/Barrier
- » Stevenson Avenue Work



I-95 Typical Section - Prince William Parkway



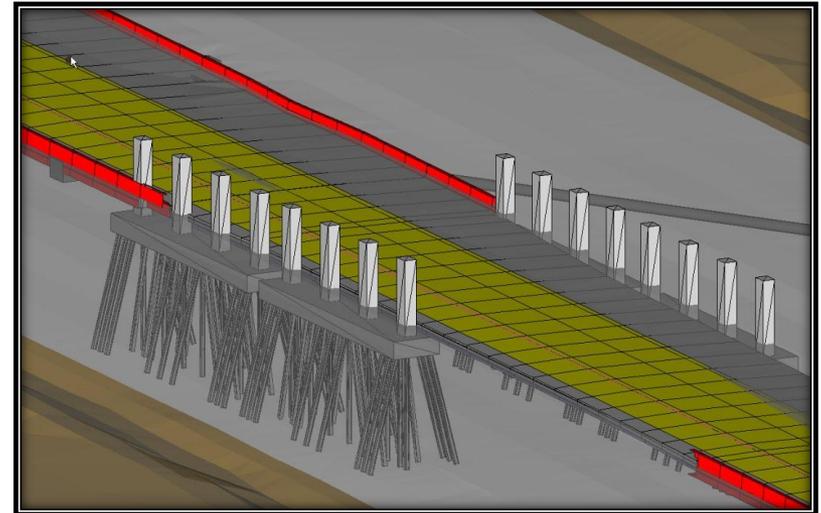
I-95/I-395 Typical Section - Gordon Blvd. to N. of Springfield Int.



I-395 Typical Section - N. of Springfield Int. to Turkeycock Int.

Design Schedule

- » Design work progressing
- » Approximately 50% complete
- » Finish in Q1 2013





Construction Schedule

- » Construction Began 8/1/12
- » Complete 12/31/14
- » Westside HOV in Ph. 1/ Seg 3&4
- » Eastside HOV in Ph. 1/ Seg 2
- » Dayshift & Nightshift Work
 - 9:30AM to 3:30PM (NB Lane Closure)
 - 8:00AM to 2:00PM (SB Lane Closure)
 - 8:00PM to 5:00AM (HOV Closure)HOV Closed at Night

* General Hours – Many other restrictions are required in the base contract.





Initial Construction Activities

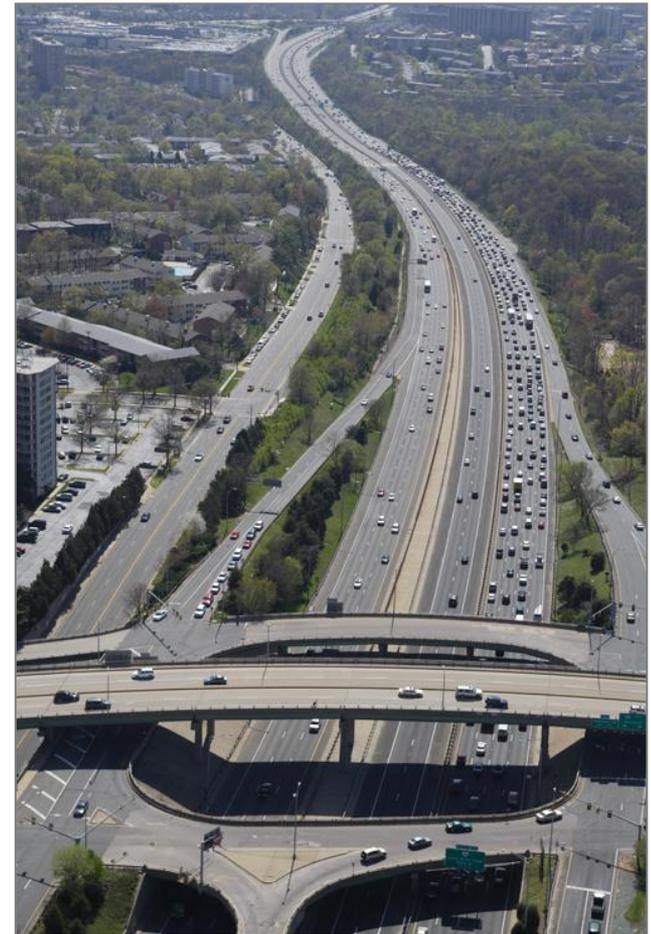
» Work Zone Setup

- Barrier Placement
- Traffic Shifts
- Lanes Narrowed from 12' to 11'

» Work Activities

- Conduit Installation
- Tree Clearing (Segment 1 90 Acres)
- Demolition
- Erosion & Sediment Control

- » Plan to maintain existing access points in initial stage of construction:
Except at 1) Boudinot , and 2) Lorton Slip Ramp



TMP During Construction

- » **Virginia State Police Patrol**
- » **Safety Service Patrol**
- » **Wrecker Services**
- » **Public Outreach**
- » **Lane Closure & MOT Coordination**
- » **Transit Services**
- » **Coordination with Other VDOT Projects**
- » **Travel Demand Management (TDM) programs;**
- » **Local Arterial Network Support;**
- » **Local Police Enforcement**

HOV South Slip Ramp (Lorton) Closing



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South of Fairfax County Parkway- Exit 166

- » Beginning on or about –October 1, 2012 the High Occupancy Vehicle (HOV) slip ramp from the southbound HOV lanes (south of the Fairfax County Parkway/Lorton) to the general purpose lanes will be **closed permanently** to allow for construction of an additional travel lane on the 95 Express Lanes system.
- » **New I-95 South HOV Slip Ramp Location**
- » Motorists can transition from the HOV lanes to the general purpose lanes at the slip ramp south of the Springfield Interchange. The next opportunity to exit southbound HOV lanes will be at Route 1, Exit 161 or further south at Exit 160, Gordon Boulevard (Route 123) in Woodbridge.

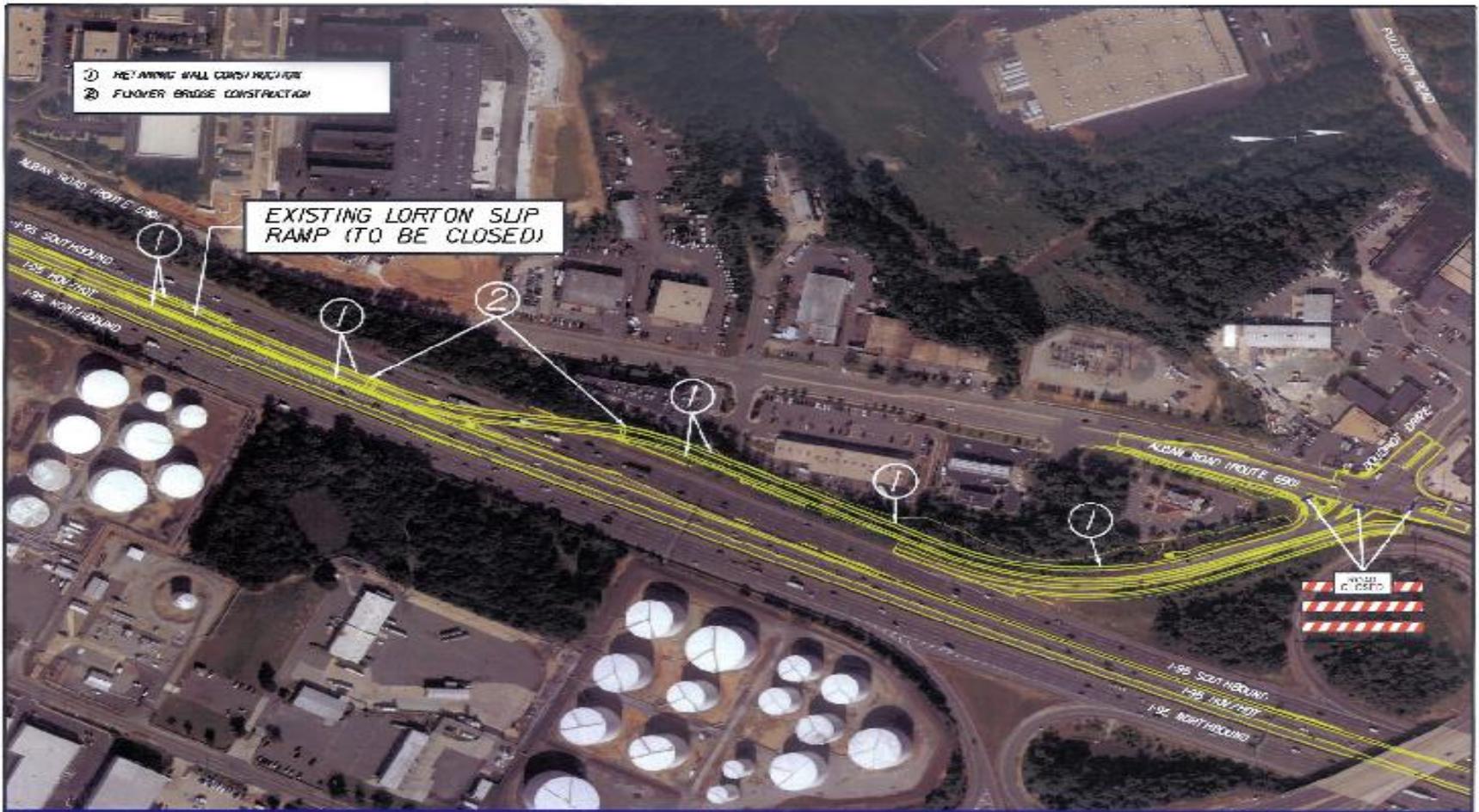
Alban Road/Boudinot Drive Ramp to I-95 south closing



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- » Beginning in mid-late October 2012 the on ramp from Alban Road (Route 790)/Boudinot Drive near the Fairfax County Parkway to I-95 south will be closed to allow construction crews to advance work on the future Express Lanes reversible flyover ramp. The current ramp will be closed until late 2014, and will reopen as a new High Occupancy Vehicle/Express Lanes ramp.
- » Over the new few months, crews will continue to clear the area of trees and brush, start drainage and grading and early pier work. Crews will also extend the left turn bay from Alban Road onto Boudinot Drive and adjust signal timing.

New fly-over



New traffic pattern



Related VDOT Improvement Projects



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» Seminary HOV/Transit Ramp

- Link HOV Lanes on I-395 to serve growing Mark Center employment center

» Connect Auxiliary Lane on I-395 NB between Duke St. & Seminary Rd

- Significantly improve traffic flow to growing Mark Center and north

» I-395 Widening HOV Off Ramp to 2 Lanes

- Improve the safety of the I-395 HOV NB Off-Ramp to Eads Street (Pentagon) by widening the off ramp to two lanes

» Mark Center Short Term Improvements

- Provide intersection and pedestrian improvements

» Safety Improvements

Auxiliary Lane on I-95 NB

Auxiliary Lane on I-95 SB

I-95 Left Shoulder Upgrade in Prince William (from Occoquan River to Dumfries)

Auxiliary Lane on I-395 NB



**OPTION 2 – EXTENSION OF DUKE STREET RAMP AUX LANE
TO SEMINARY ROAD OFF RAMP (NB TO EB/WB)**

-  Potential auxiliary lane (additional construction)
-  Existing ramp acceleration / deceleration lane

Seminary HOV/Transit Ramp



A rendering of the I-395 and Seminary Road Interchange with new HOV/transit ramp

- » DRPT's planning team will determine cost-effective transit and TDM improvements for I-95 corridor for 2015, 2035 and beyond 2035. The study has the following objectives:
- » Preserve and increase transit capacity, use, and operational efficiency in I-95 corridor
- » Increase transit levels of service in a cost-effective manner and provide increased service to activity centers
- » Maintain or improve corridor transit market share
- » Maximize transit utilization of HOT/HOV lanes

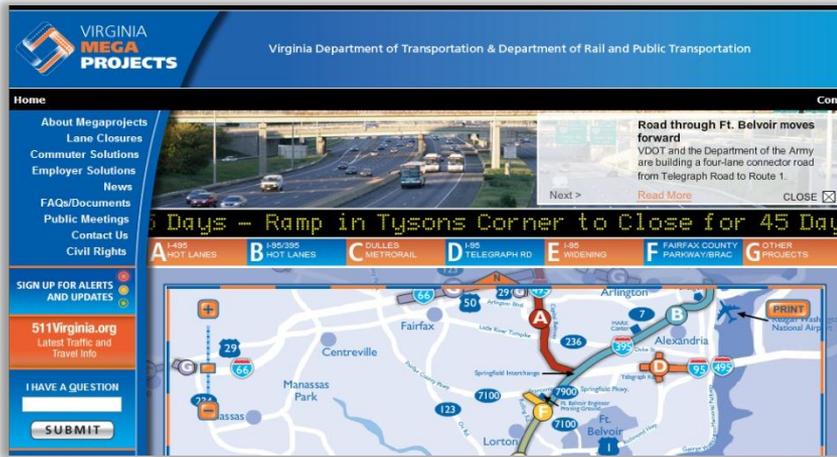
Planned Park-and-Ride Expansions

- **Fairfax County - Saratoga Lot - 600 spaces**
- **Prince William County - Telegraph Road Lot - 700 spaces**
- **Stafford County - Garrisonville Road Lot - 1,000 spaces**
- **Spotsylvania County - Route 3/Gordon Road - 1,000 spaces**
- **Virginia Railway Express**
 - **Leeland Road Station - 200 spaces**
 - **Brooke Station - 200 spaces**
 - **New Spotsylvania Station - 1,000 spaces**

For More Information

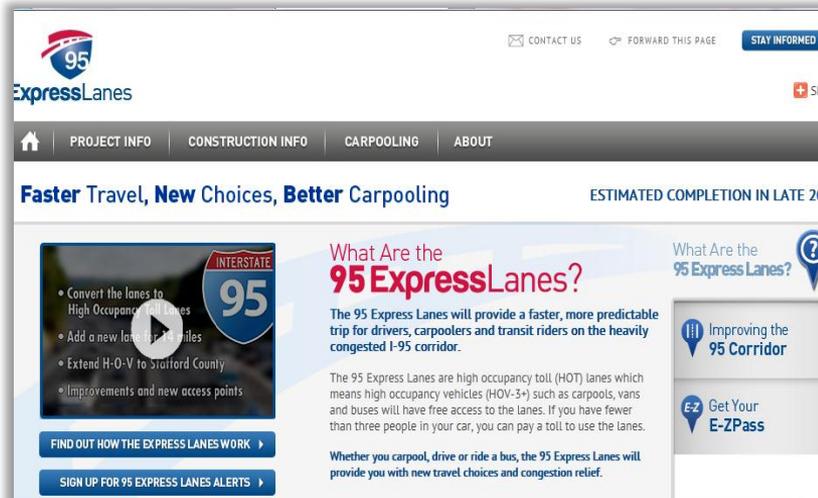


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For construction information, please visit:

www.vamegaprojects.com



For information on how to use the Express Lanes and E-ZPass information, please visit:

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