



**HOV/HOT LANES**

# I-95 HOV/HOT Lanes Project

***BRAC-133 Advisory Group  
September 21, 2011***

# Addressing critical need



## HOV/HOT LANES

- Washington DC Metro area has worst congestion in nation according to recent Texas Transportation Institute study
- Traffic conditions on I-95 are getting worse
- Five major military sites affected by BRAC, relocations begin this year
- Nearly half of all of Virginia's population growth in past decade has been in jurisdictions between Fredericksburg and the Beltway



***“We can no longer wait to deliver congestion relief and new travel choices. The Capital Beltway and I-95 corridors are home to some of Virginia’s most important employment centers and military sites.”***

*–Sean T. Connaughton,  
Virginia Secretary of Transportation*

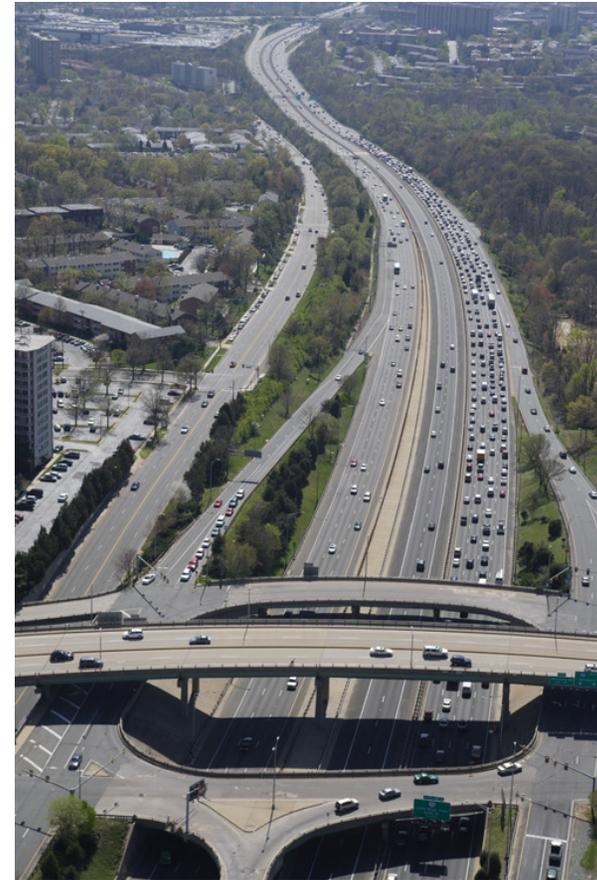
# Relief & new choices on I-95



## HOV/HOT LANES

### Concurrent package of improvements:

- **I-95 HOV/HOT Lanes**  
Provide new choices, add capacity, extend and improve performance of existing HOV
- **Department of Rail and Public Transportation Transit Improvements**  
Maximize benefit of growing HOT Lanes network by expanding bus service, Park & Ride lots
- **VDOT Seminary HOV/Transit ramp**  
Link HOV lanes on I-395 to growing Mark Center
- **Seminary/Duke I-395 Auxiliary lanes**  
Improve traffic movement on the regular lanes



# I-95 HOV/HOT 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**



## HOV/HOT LANES



# Key benefits

- Added capacity to manage congestion
- Expanded, regional HOV/transit network
- New access points to serve Virginia-based destinations, including Tysons Corner and major military sites
- Improved performance of HOV system
- New option when travelers need to be somewhere on time
- Significant job creation



# New & improved access



## HOV/HOT LANES

*Connects carpoolers, buses and motorists to Virginia-based employment centers*

- **Garrisonville Road**
- **Joplin Road**
- **Prince William Parkway**
- **Fairfax County Parkway**
- **Franconia-Springfield**
- **Vicinity of Edsall Road**
- **I-495 Capital Beltway HOT Lanes**



# Enhanced travel & safety



## HOV/HOT LANES

*Active traffic management will keep traffic moving, help travelers better predict travel times*

- **Dynamic tolling based on real-time traffic conditions to manage traffic levels**
- **Improved incident response and traffic management**
  - **State troopers**
  - **Cameras**
  - **Automatic incident detection technology**
  - **HOT Operations Center**
- **Enhanced driver information**



# Improved service for existing carpoolers



## HOV/HOT LANES

- Added enforcement , troopers to force violators out of the HOV lanes
- HOV benefit all day, not just during rush hour
- Access to new destinations, including Tyson Corner, Ft. Belvoir
- HOV lanes on I-395 north of Edsall Road remain the same; continued incentive to pick up slugs
- Relief from Dumfries bottleneck



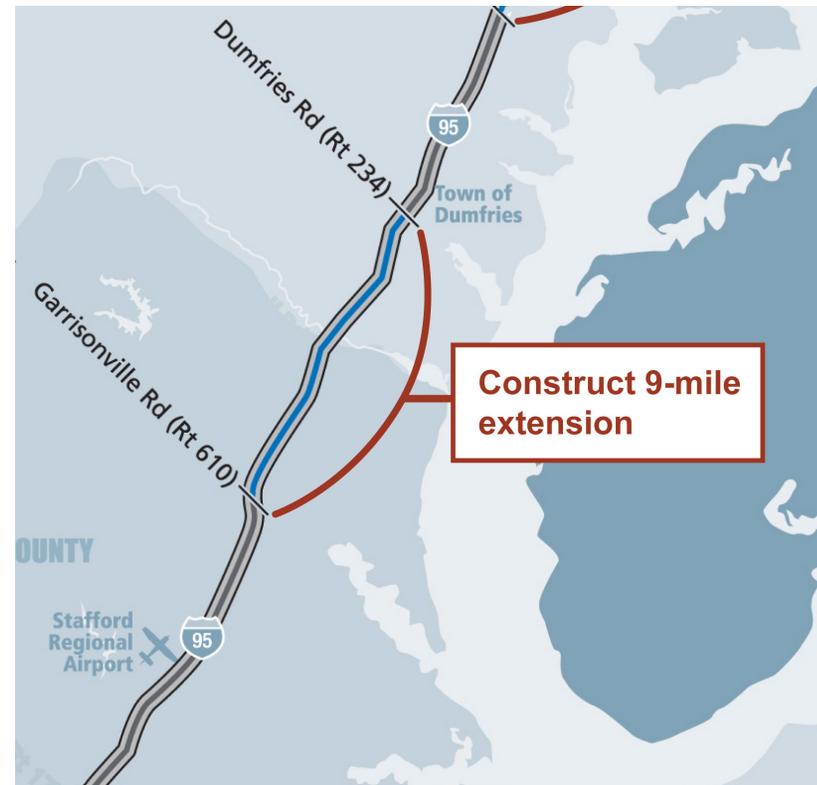
*More than 1-out-of-4 vehicles on today's I-95 HOV lanes are violators. HOT Lanes will keep those violators out.*

# Bottleneck Fix



## HOV/HOT LANES

- 9-mile, two-lane extension addresses worst bottleneck in region, gets commuters home faster
- Flyovers at Joplin Road and Garrisonville Road
- Extension, two flyovers significantly improve transition from today's single, left-exit slip ramp



*Two-lane, reversible extension brings HOV to Stafford County*



# HOV/HOT LANES

## Key Milestones

- Combined Design Public Hearing, NEPA and Transit Study Information Meeting
  - September 26<sup>th</sup> (Woodbridge)
  - September 28<sup>th</sup> (Springfield)
  - September 29<sup>th</sup> (Stafford)
- Finalize Environmental Document
- Finalize Interchange Justification Report
- Commercial Close
- Financial Close
- Construction as early as 2012
- Construction approximately 3 years



# Creating jobs



## HOV/HOT LANES

*Supports thousands of jobs and boosts local economy*

Construction will support over 8,000 jobs

- **New business opportunities** for disadvantaged, small, women, minority-owned businesses
- **Maximizes Commonwealth's previous investment in I-495 HOT Lanes** by creating seamless HOT/HOV network
- **Helps solve congestion issues** to help Virginia remain an attractive place to do business – **critical to Tysons/Merrifield redevelopment**



# Traffic Volumes



Location	2011 Daily Volumes	
	Southbound	Northbound
North of Capital Beltway (I-495, Exit 170)	80,300	82,500
North of Fairfax County Parkway (Route 7100, Exit 166)	99,100	102,900
North of Prince William Parkway (Exit 158)	76,800	76,100
North of Garrisonville Road (Route 610, Exit 143)	70,000	73,100



**HOV/HOT LANES**

## **Project Information Resources**

[www.virginiahotlanes.com](http://www.virginiahotlanes.com)

1-855-895-4646

INFO@I-95HOTLANES.COM

### **Regional Project and Traffic Information**

[www.vamegaprojects.com](http://www.vamegaprojects.com)

[WWW.511 VIRGINIA.ORG](http://WWW.511 VIRGINIA.ORG)

# Auxiliary Lane



## EXTENSION OF DUKE STREET RAMP AUXILIARY LANE TO SEMINARY ROAD OFF RAMP (NB TO EB/WB)

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