



I-95 Express Lanes Fredericksburg Extension (Fred Ex)

Public Hearing

September 25, 2017

Purpose of Tonight's Meeting

Provide information and gain public input:

- Draft Environmental Assessment (EA)
- Design concepts
- Overall project update and schedule

Opportunities to provide formal comments for the public record:

- Submit written comments on the comment sheet
- Provide oral comments following the presentation or to a court reporter

The transcript from tonight's meeting will be used to obtain design approval from the Chief Engineer and then presented to the Commonwealth Transportation Board.

Background

- Comprehensive Agreement executed in 2012 with 95 Express Lanes, LLC (95 Express) for 95 Express Lanes contemplated potential future extension of the 95 Express Lanes
- On August 22, 2017, VDOT and 95 Express signed an Advanced Development Framework Agreement outlining roles and responsibilities



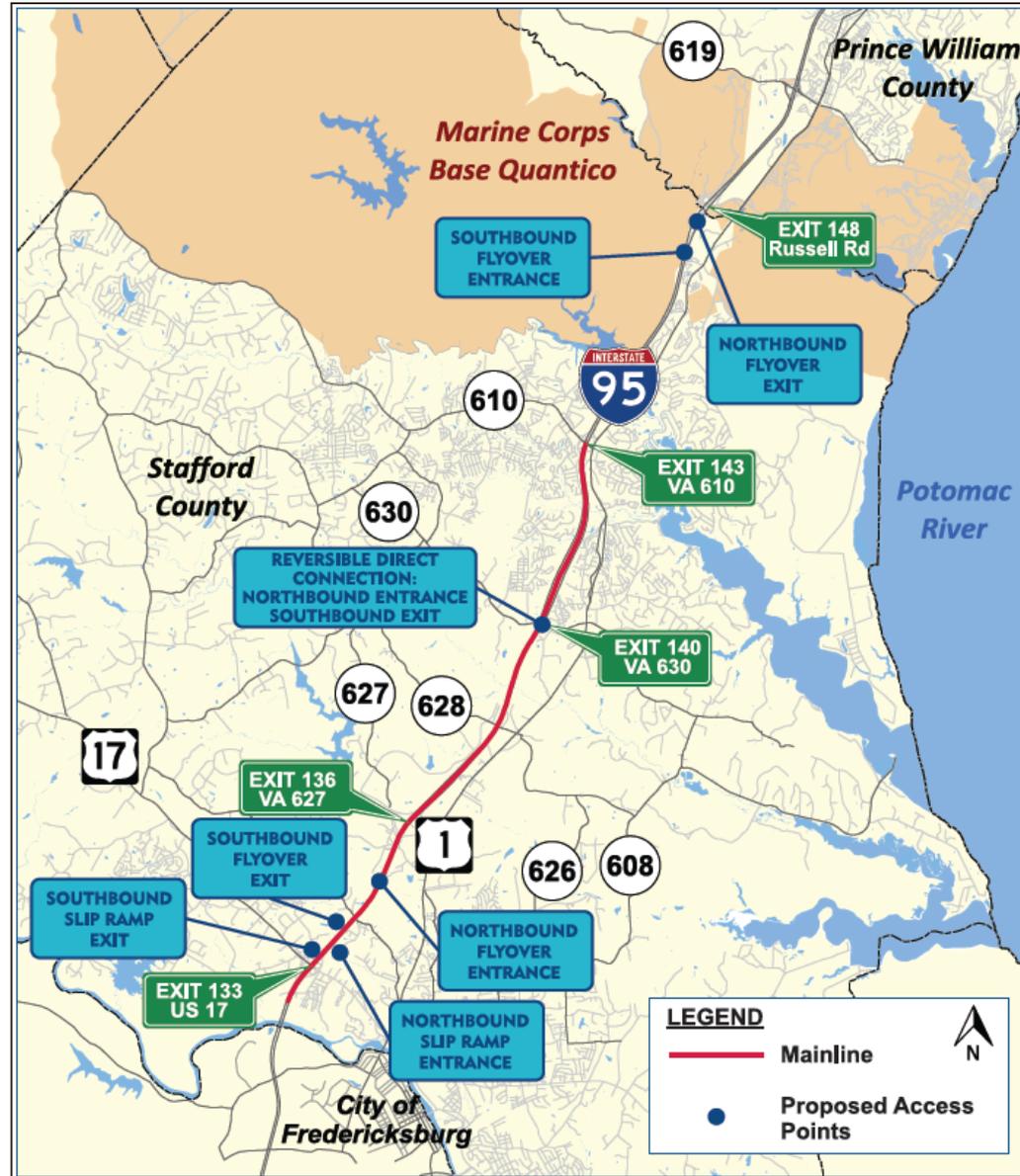
Atlantic Gateway: Partnering to Unlock the I-95 Corridor (FASTLANE/TIGER Grants)

Virginia was selected to receive \$165 million dollar federal grant to improve more than 50 miles of the I-95/I-395 Corridor from Fredericksburg to the Pentagon.

- Extend I-95/I-395 Express Lanes
 - South to Fredericksburg (approx. 10 miles)
 - North to the Pentagon (approx. 7 miles)
- Improve commuter rail service on VRE and Amtrak
 - Construct third track in Fairfax County (approx. 8 miles)
 - Design Improvements to Long Bridge (Potomac Crossing) (approx. 6 miles)
- Increase capacity on I-95/I-395 General Purpose Lanes
 - Widen I-395 between Duke Street and Edsall Road
 - Add new lanes across Rappahannock River
- Expand bus service and commuter parking spaces in the corridor



Express Lane Study Area



Purpose and Need

- Reducing daily congestion and accommodating travel demand more efficiently
- Providing greater reliability of travel times
- Expanding travel choices by increasing the attractiveness and utility of ridesharing and transit usage, while also providing an option for single- and double-occupant vehicles to bypass congested conditions

Environmental Analysis

| Environmental Resource | Impact Estimates – Build Alternative |
|--|---|
| Property Impacts | Impacts to ~38 acres from 51 properties; No total acquisitions. |
| Cultural Resources | No adverse effect to historic properties (Effect determination will be coordinated with DHR following public comment period) |
| Environmental Justice | 11 of 12 Census Blocks identified as having minority populations. Impacts will not be disproportionate or adverse. |
| Noise | Impacts to 190 noise-sensitive receptors; ~1.2 miles of sound barriers identified as reasonable/feasible |
| Wetlands | Impacts to ~3.2 acres of wetlands |
| Floodplains | Impacts to ~20.6 acres of 100-year floodplains that are already impacted by existing I-95 |
| Wildlife/Wildlife Habitat | Impacts to ~83 acres of forested habitat (mostly in I-95 median) |
| Threatened, Endangered, and Special Status Species | Impacts to: ~177 acres of potential Northern Long-Eared Bat habitat; ~32.5 acres of Small Whorled Pogonia habitat; ~0.3 acres of harperella habitat; ~0.3 acres of freshwater mussel habitat |
| Hazardous Materials | 21 sites of potential environmental concern |

Impacts noted are planning level, will be refined as detailed design and permitting progresses.

I-95 Fred Ex Traffic Volumes and Benefits

- Large increases projected in daily traffic on I-95 corridor by 2042 (40,000 to 50,000 vehicles per day (vpd))
- Moves More People: Build Alternative increases throughput over No Build Alternative by 10,000 to 15,000 vpd (8 to 10 percent)
- Reduces Congestion: Build Alternative reduces General Purpose (GP) volumes by approximately 10 percent compared to No Build
- Provides Travel Choices: Express Lanes volumes vary from 26,000 up to 42,000 vpd within Study Corridor

I-95 Fred Ex Travel Times

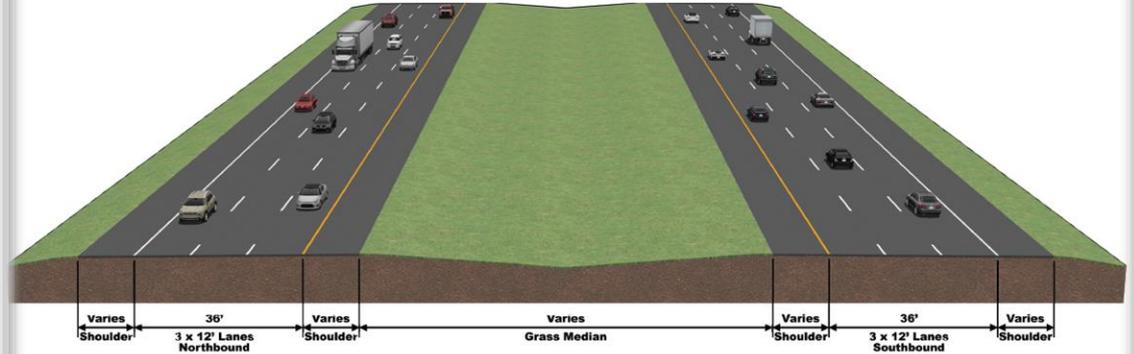
- Improves Travel Times: Build Alternative reduces GP travel times by 15 to 20 percent
- Increases Choices and Reliability: Build Alternative (Express Lanes) offers time savings of 35 to 50 percent over GP lanes

| Direction & Time Period | Existing | | 2042 No Build | | 2042 Build | | |
|-------------------------|----------|---------|---------------|---------|------------|---------|-----------------|
| | GP | Express | GP | Express | GP | Express | Express Savings |
| NB AM | 26 | - | 37 | - | 32 | 16 | 16 min |
| SB PM | 30 | - | 32 | - | 25 | 16 | 9 min |

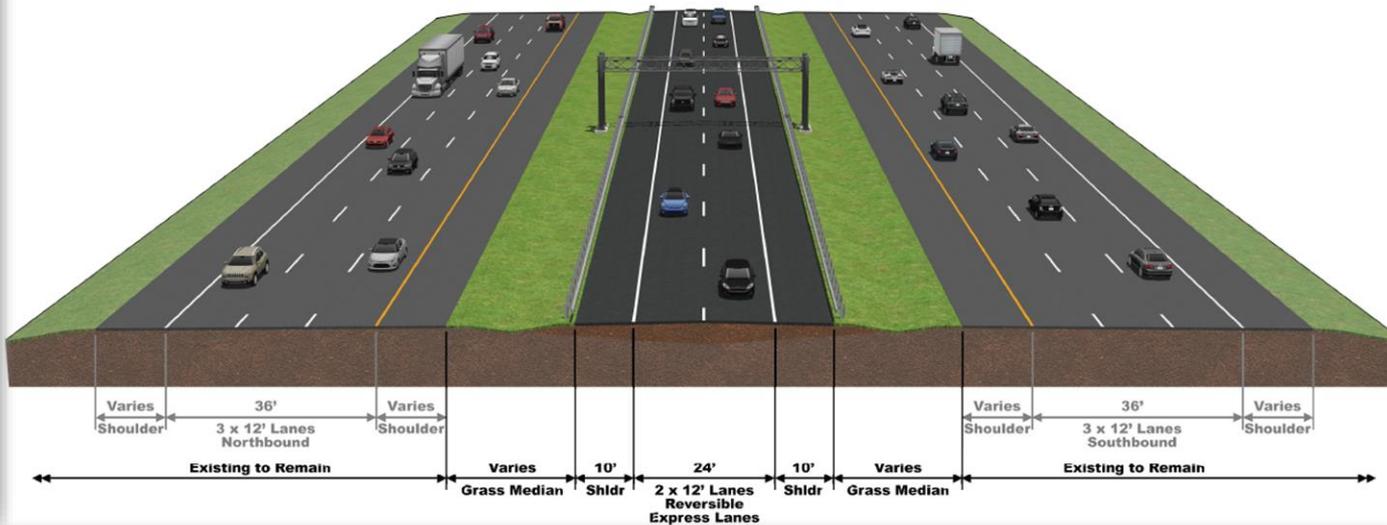
Corridor travel times from Rappahannock River to North of Exit 148 (approximately 18 miles).

Typical Sections

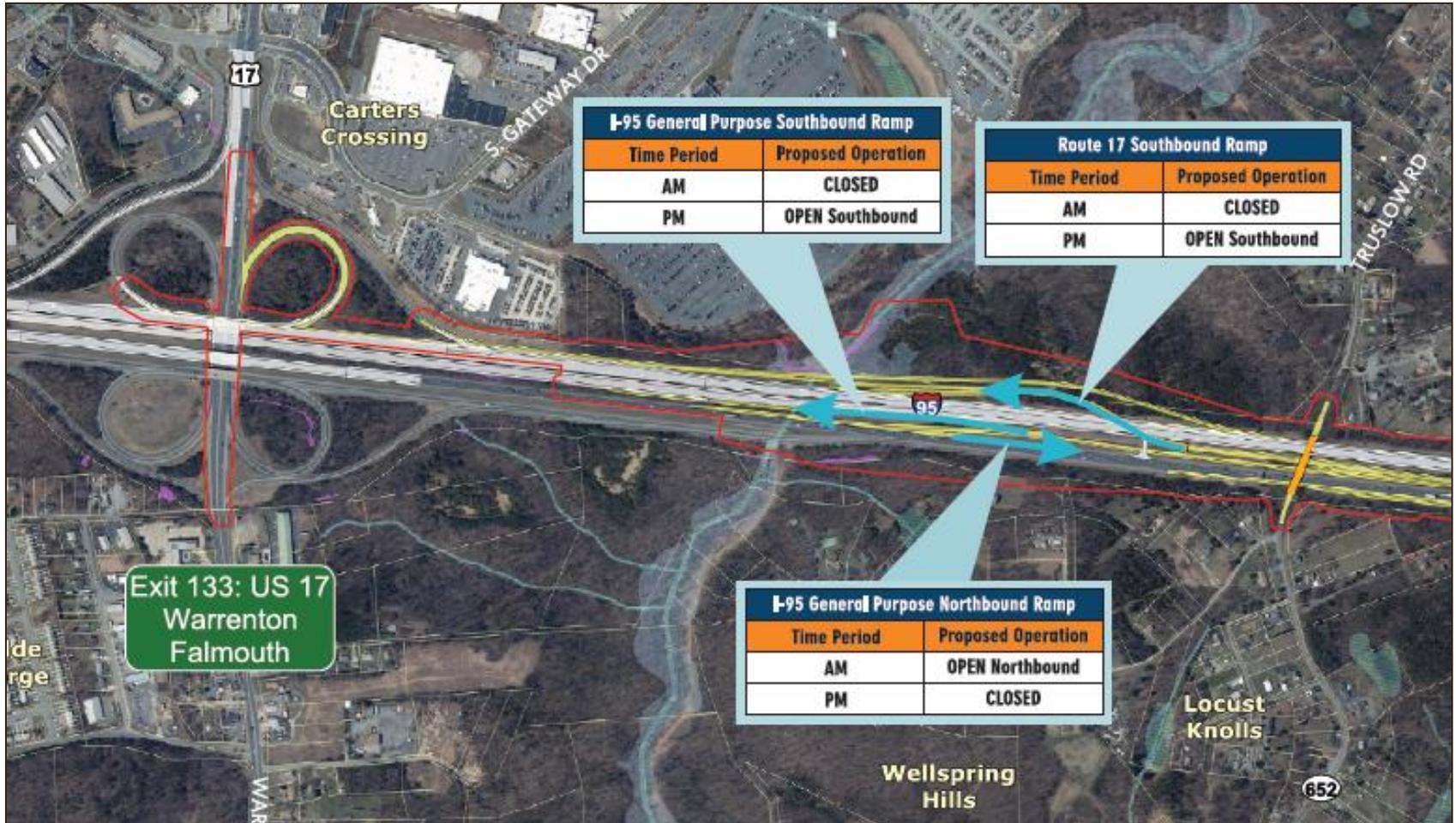
Existing General Purpose Lanes



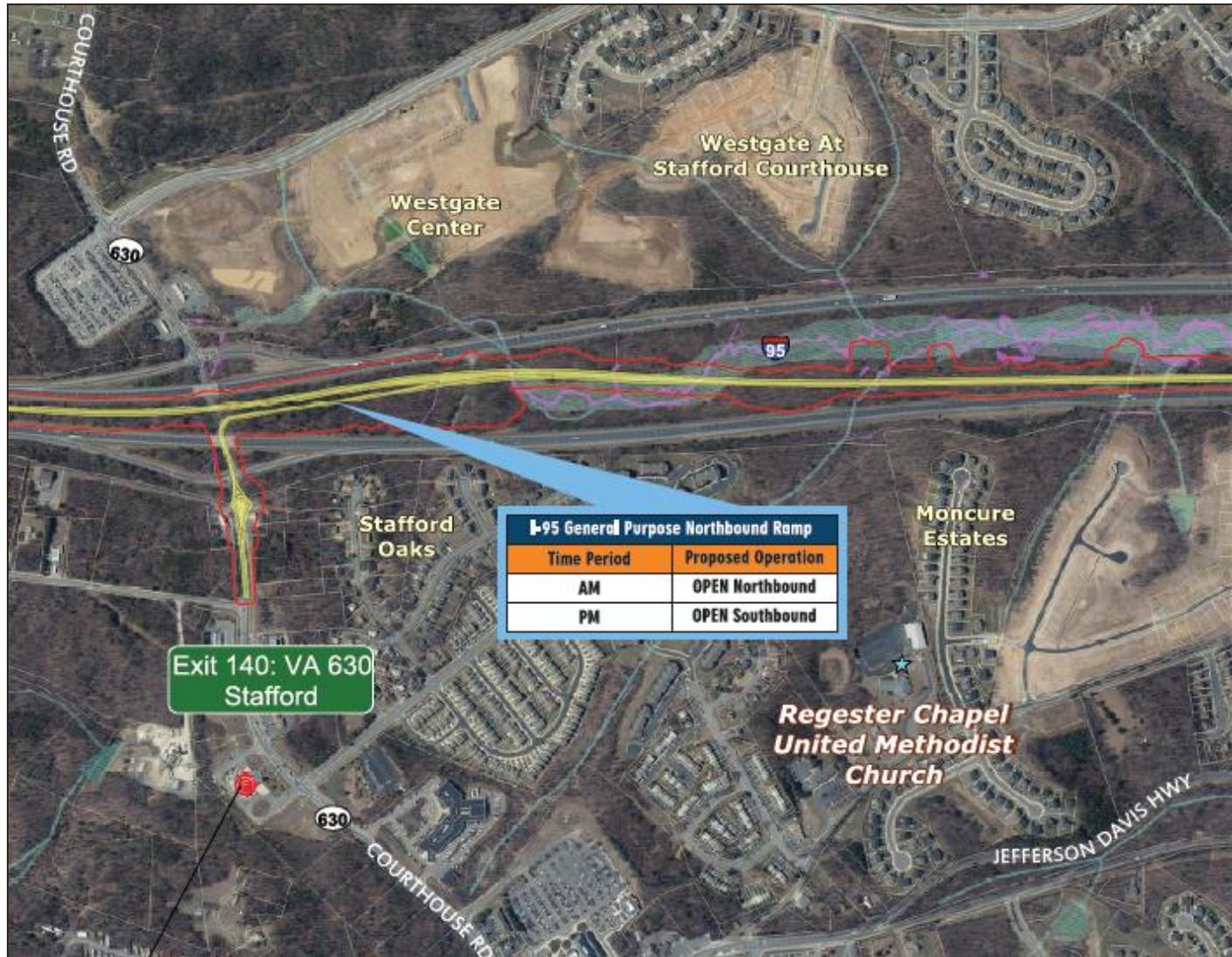
Proposed General Purpose and Express Lanes



Access Points: Exit 133 (Route 17)



Access Points: Exit 140 (Courthouse Road)



Access Points: Exit 148 (Russell Road)



Key Milestones

| Key Milestones | Begin Dates |
|--|---------------------|
| Public Outreach and Technical Coordination | Ongoing |
| Begin NEPA – Environmental Assessment | January 2016 |
| Public Information Meetings | March 21 & 22, 2017 |
| Public Hearings | September 25, 2017 |
| Regional Long-Range Plan Decision | October 2017 |
| Final NEPA Decision (anticipated to be a Finding of No Significant Impact FONSI) | January 2018 |
| Procurement | Late 2017 |
| Begin Construction | Spring 2019 |
| Project Completion | 2022 |

How Express Lanes Work

EXPRESS LANES OPERATIONS CENTER

- Real-time data is collected
- Information is analyzed and a toll is calculated and displayed on the pricing signs
- The pricing ensures free-flowing travel speeds

MANAGING TRAFFIC

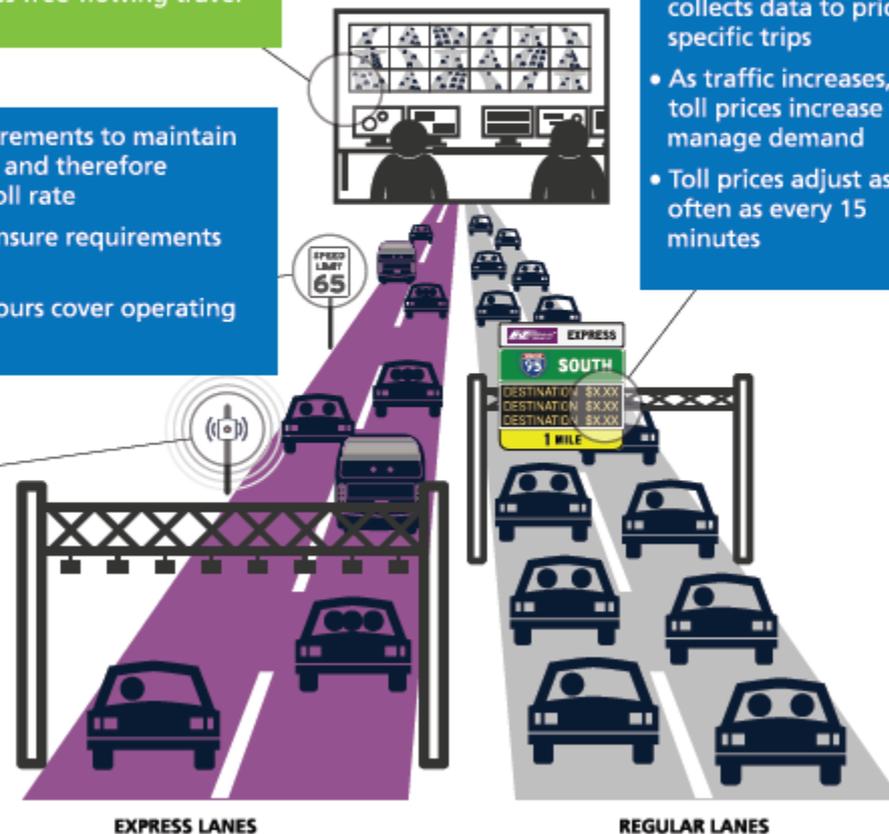
- There are federal requirements to maintain minimum travel speeds and therefore there is no maximum toll rate
- Dynamic tolls help to ensure requirements are met
- Tolls during off-peak hours cover operating and maintenance costs

SENSORS

- Sensors will be located approximately every 1/3 mile
- Sensors measure traffic volumes, speeds and how crowded the lanes are

TOLL PRICES

- On-road technology collects data to price specific trips
- As traffic increases, toll prices increase to manage demand
- Toll prices adjust as often as every 15 minutes



I-95 Corridor Project Summary

| Project | Status | Completion Date |
|---|--------------------|-----------------|
| I-95 Express Lanes Southern Terminus | Under Construction | Summer 2018 |
| I-95 Safety Improvements at Route 3 (Exit 130) | Under Construction | January 2019 |
| I-95/Route 630 (Courthouse Road) Interchange Reconstruction | Under Construction | July 2020 |
| I-95 Southbound Collector-Distributor Lanes – Rappahannock River Crossing | In Procurement | 2022 |
| I-95 Express Lanes Fredericksburg Extension (Fred Ex) | In Design | 2022 |

How to Provide Comments

COMMENTS MUST BE RECEIVED BY OCTOBER 10, 2017

Tonight

- Submit written comments on the comment sheet
- Provide comments following the formal presentation or individually to the court reporter

Mail

- Mail written comments to VDOT Fredericksburg District,
Attn: Krishna Potturi, 87 Deacon Road, Fredericksburg, VA 22405

Email

- Email your comments or questions to
I95fredex@vdot.virginia.gov

*Please reference “I-95 Express Lanes FredEx” in the subject line of all correspondence.



Thank You for Coming