

# Welcome.

Please enjoy the music. We will begin shortly.

Can you hear the music? Make sure your audio is working. If your computer doesn't have a mic, you can also call in on your phone. Please see your registration email for the phone number.

## **Springfield to Quantico Enhanced Public Transportation Feasibility Study**



Virginia Department of Rail and Public Transportation

[drpt.virginia.gov/transit/springfield-to-quantico/](https://drpt.virginia.gov/transit/springfield-to-quantico/)

# Welcome.

## Springfield to Quantico Enhanced Public Transportation Feasibility Study

**Public Meeting #1**

**May 4, 2021**

**6:00-8:00 PM**

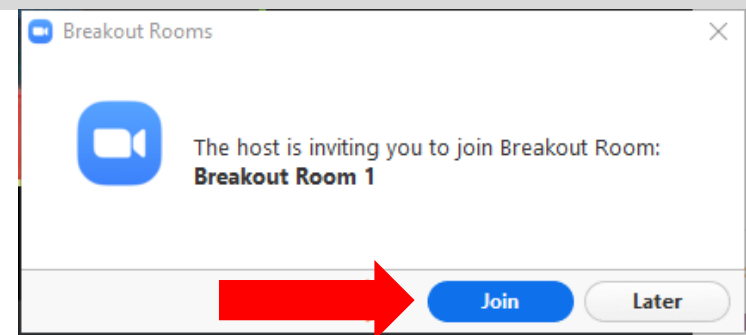


Virginia Department of Rail and Public Transportation

[drpt.virginia.gov/transit/springfield-to-quantico/](https://drpt.virginia.gov/transit/springfield-to-quantico/)

# What you can expect during this meeting

1. Presentation
2. Question & Answer period
3. Breakout rooms for discussion
4. Regroup and Closing



During the large group portion of the meeting:

- Microphones muted during the large group portion of the meeting
- Use the chat feature to ask questions

Breakout rooms:

- Opportunity for you to unmute and ask questions in a smaller group setting
- Please raise your hand if you want to speak during the breakout room portion
- You are always welcome to use the chat feature
- A notetaker will capture the discussion



# Tim Roseboom

---

NoVA Senior Program Manager, Major Capital Investments

# Virtual Meetings

---

g. 1. Notwithstanding any other provision of law, any public body, including any state, local, regional, or regulatory body, or a governing board as defined in § 54.1-2345 of the Code of Virginia, or any joint meeting of such entities, may meet by electronic communication means without a quorum of the public body or any member of the governing board physically assembled at one location when the Governor has declared a state of emergency in accordance with § 44-146.17, provided that (i) the nature of the declared emergency makes it impracticable or unsafe for the public body or governing board to assemble in a single location; (ii) the purpose of meeting is to discuss or transact the business statutorily required or necessary to continue operations of the public body or common interest community association as defined in § 54.1-2345 of the Code of Virginia and the discharge of its lawful purposes, duties, and responsibilities; (iii) a public body shall make available a recording or transcript of the meeting on its website in accordance with the timeframes established in §§ 2.2-3707 and 2.2- 3707.1 of the Code of Virginia; and (iv) the governing board shall distribute minutes of a meeting held pursuant to this subdivision to common interest community association members by the same method used to provide notice of the meeting.] V

# Introductions

---

- DRPT:
  - Tim Roseboom, NoVA Senior Program Manager, Major Capital Investments
  - Todd Horsley, Director of Northern Virginia Transit Programs
  - Ciara Williams, NoVA Transit Planning Manager
  - Randy Selleck, Rail Planning and Environmental Manager
- Consultant Team:
  - Tom Harrington, Cambridge Systematics
  - Dalia Leven, Cambridge Systematics
  - Sue Knapp, KFH Group
  - Aditya Inamdar, Kittelson & Associates

# Presentation Outline

---

- Study Introduction
- Existing and Planned Land Use
- Existing and Planned Transportation Network
- Transit Needs
- Potential Transit Enhancements

# Study Introduction

---



# Study Background

- Virginia General Assembly approved a 2020 budget amendment directing DRPT to conduct a feasibility study :

*"F. The Department of Rail and Public Transportation, in cooperation with Fairfax and Prince William counties, shall evaluate enhanced public transportation services from the Franconia-Springfield Metro Station to Fort Belvoir, Lorton, Potomac Mills, and Marine Corps Base Quantico in Prince William County, including the cost and feasibility of extending the Blue Line and other multimodal options such as bus rapid transit along Interstate 95 and U.S. Route 1. The Director of the Department of Rail and Public Transportation shall submit a report of its findings to the Chairs of the House Appropriations Committee and the Senate Finance and Appropriations Committee by December 1, 2021."*

- Study must be completed by December 1, 2021
- A range of multimodal transit investments will be evaluated

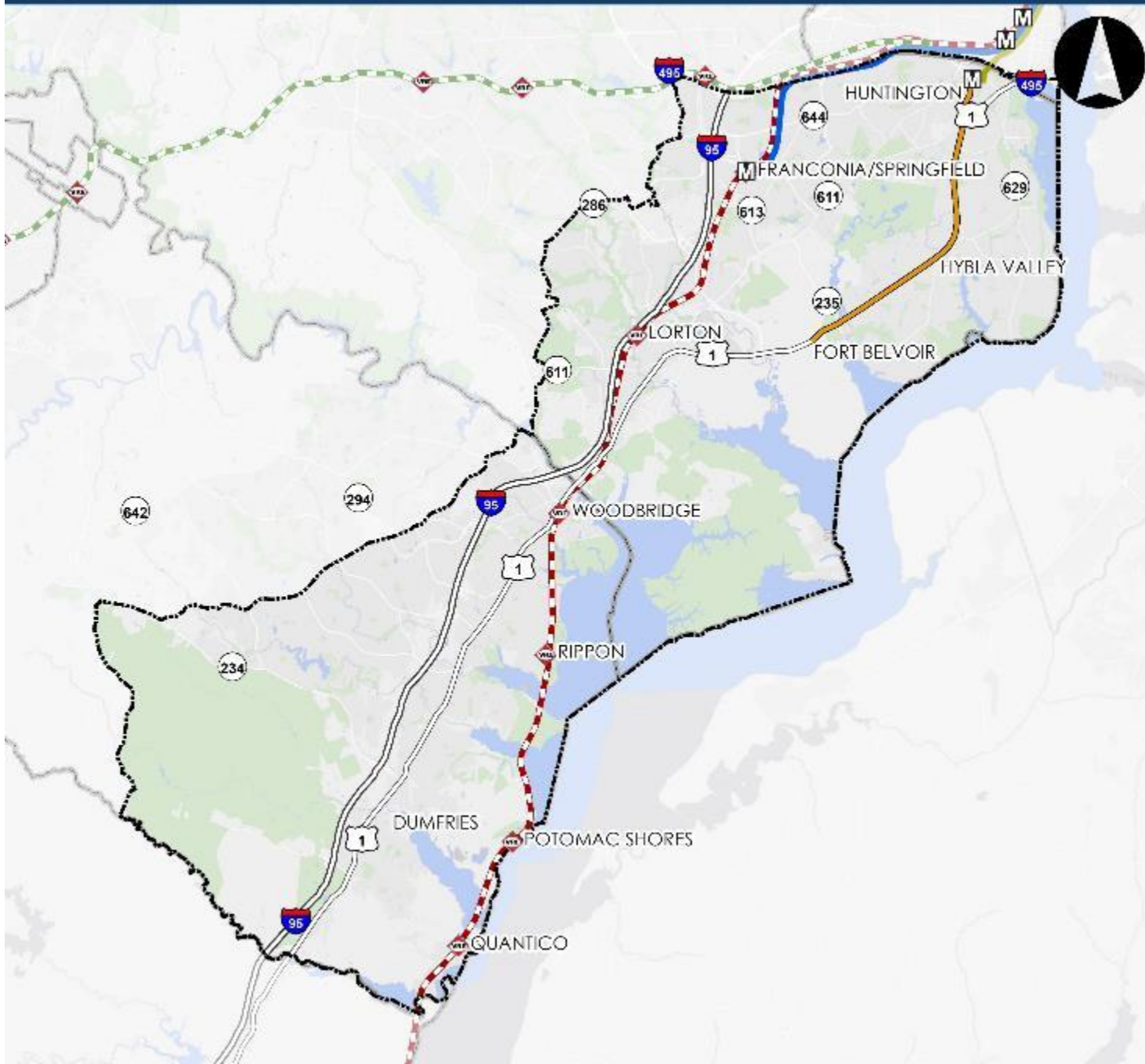
# Study Outcomes

Comprehensive, objective **evaluation of feasibility** for a range of potential enhanced transit alternatives to inform recommendations about future investment in the corridor based on comparing:

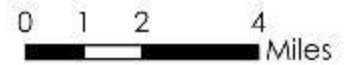
- Costs
- Benefits
- Impacts



# STUDY AREA

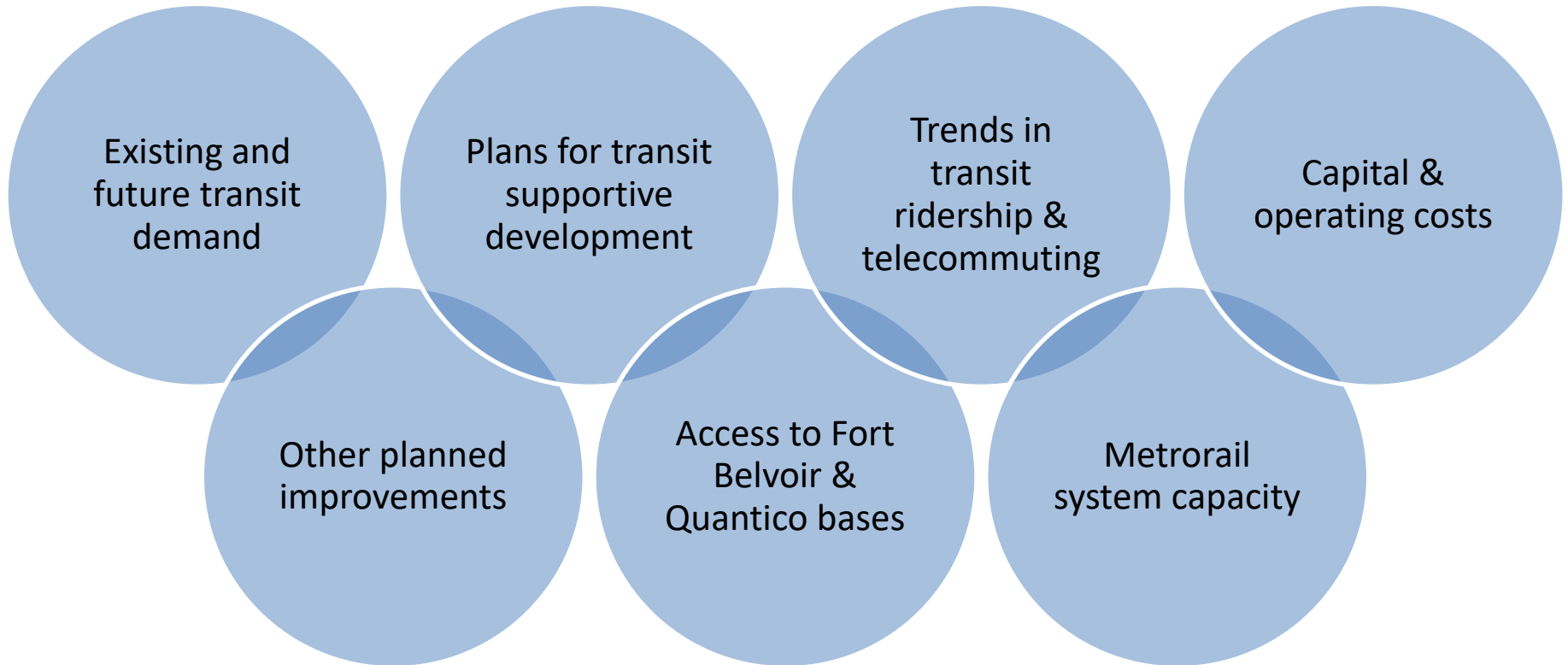


- Metrorail Stations
- Virginia Railway Express (VRE) Stations
- Study Area
- County Boundary
- I-95
- US Route 1
- Richmond Highway BRT
- Metrorail Routes**
  - Blue
  - Yellow
- VRE Routes**
  - Fredericksburg
  - Manassas

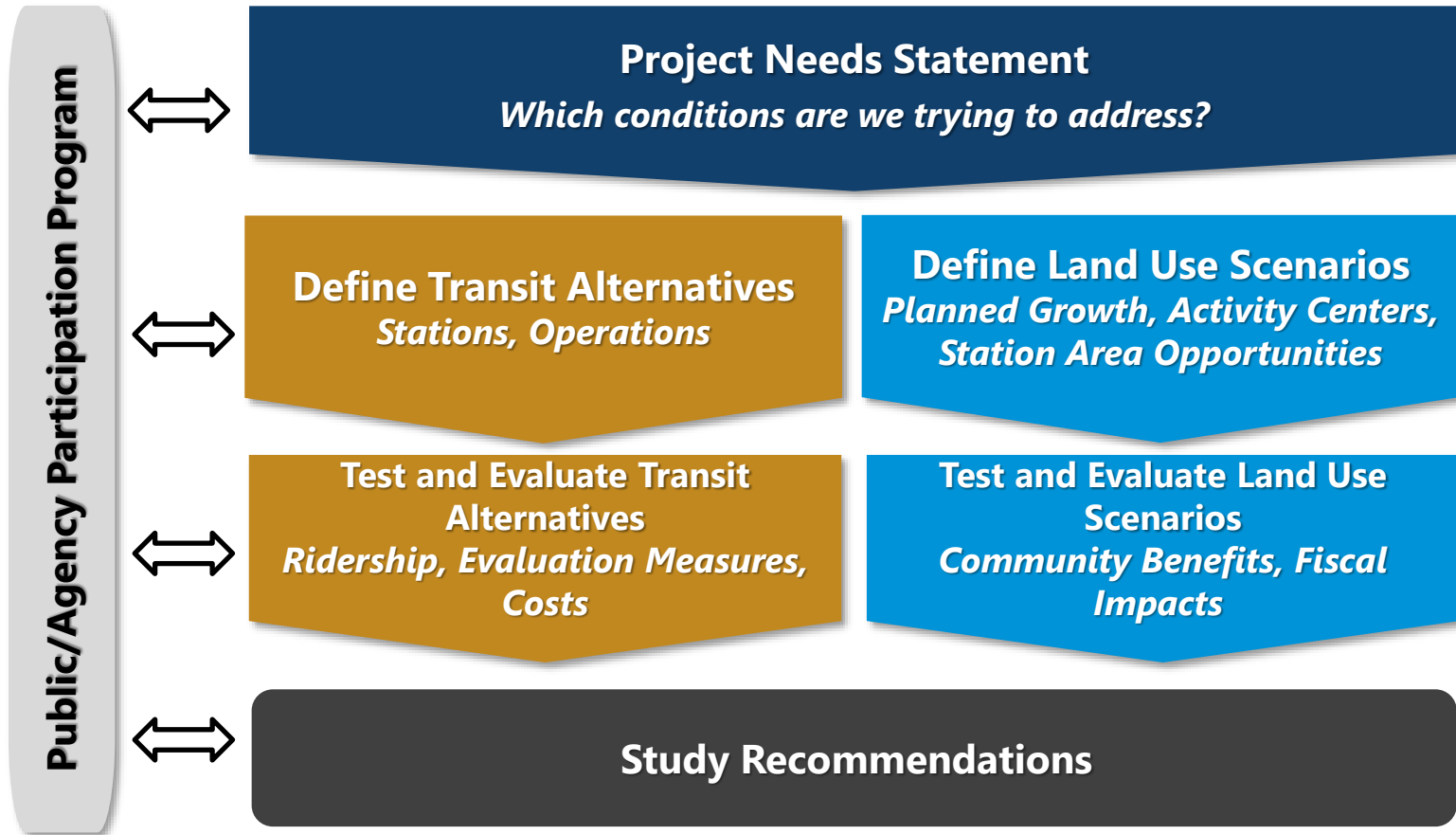


# Key Issues for the Study to Consider

---



# Study Technical Approach



# Study Schedule



- Draft report will be completed by September 2021
- Final report will be submitted to General Assembly by December 1, 2021

# Stay Engaged!

---

Let us know what you think

- Project website:  
<http://www.drpt.virginia.gov/transit/springfield-to-quantico/>
- Project survey closes May 17<sup>th</sup>, so don't wait and share your thoughts today!
- Future public meeting will be held in next phase of the study.

Project Survey:

[bit.ly/DRPTSpringfieldQuantico](http://bit.ly/DRPTSpringfieldQuantico)

Encuesta:

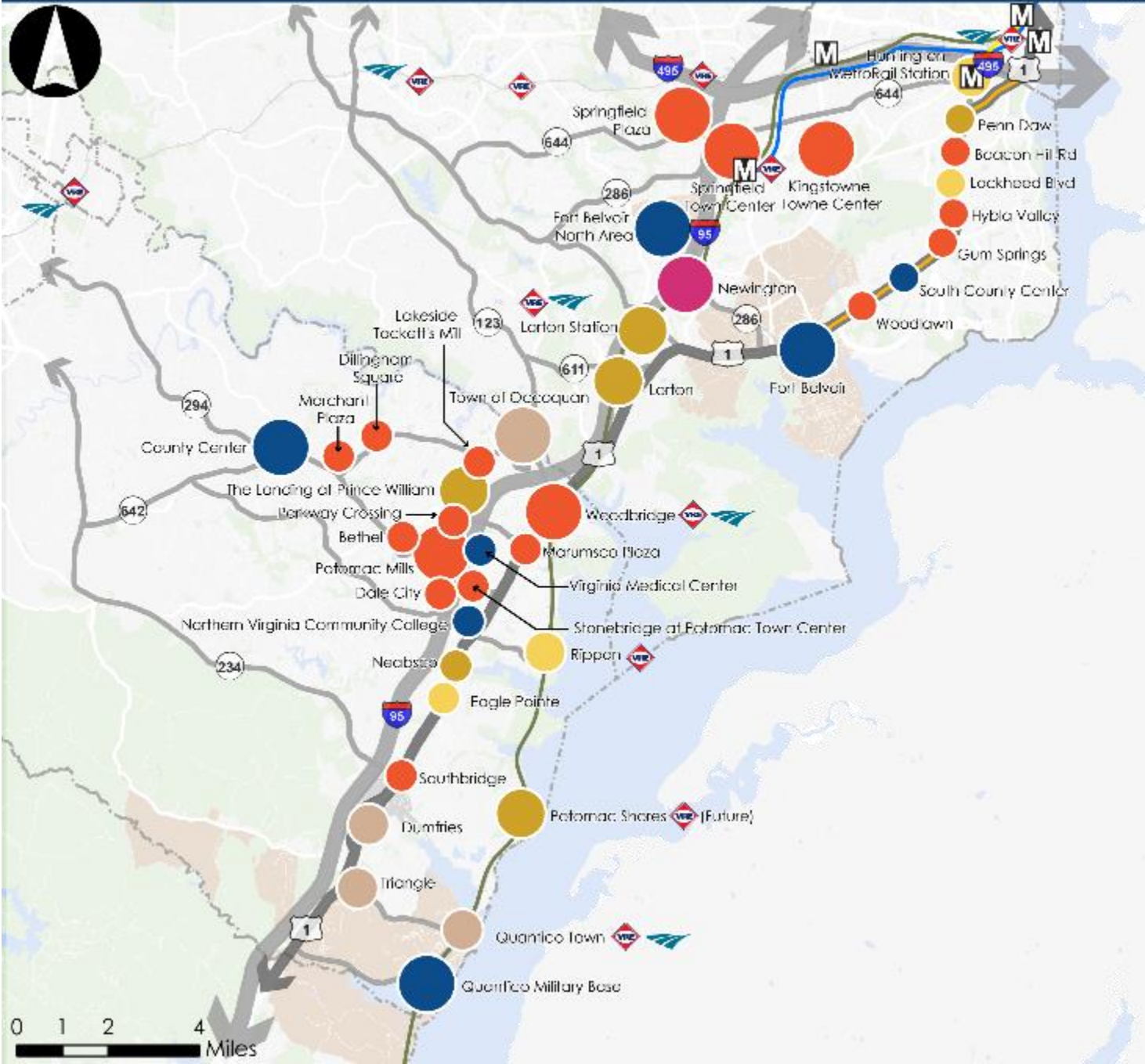
[bit.ly/DRPTSpringfieldQuanticoES](http://bit.ly/DRPTSpringfieldQuanticoES)

# Existing and Planned Land Use

---



# Activity Centers



- M** Metrorail Stations
- VRE** Virginia Railway Express (VRE) Stations
- Amtrak Stations

- Penn Daw
- Beacon Hill Rd
- Lockwood Blvd
- Hybla Valley
- Gum Springs
- South County Center
- Woodlawn

### Metrorail Routes

- Blue
- Yellow

VRE/Amtrak Route

Richmond Hwy BRT

### Place Types of Activity Centers

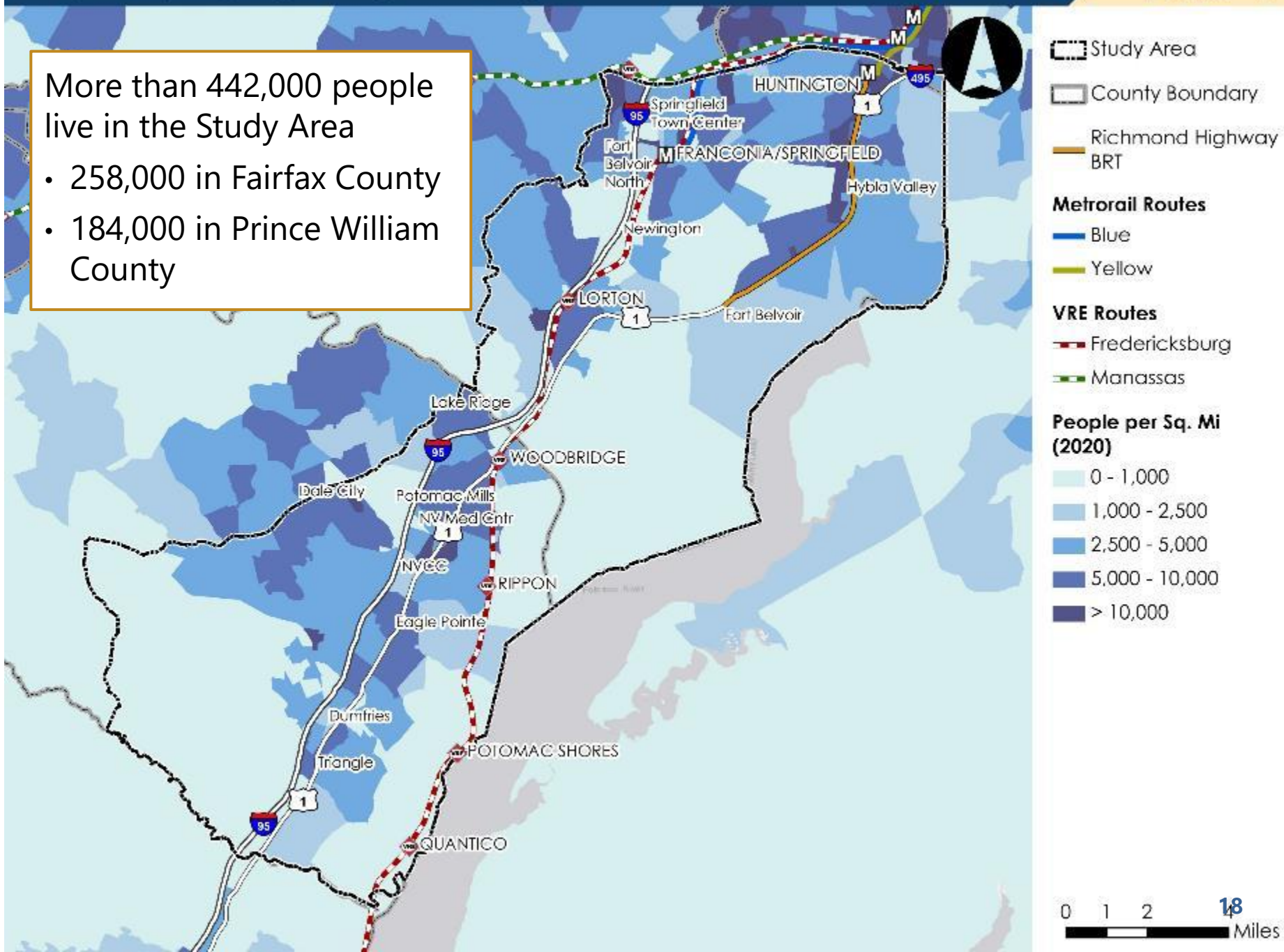
- Suburban Commercial
- Institutional/Military Campus
- Mixed Use
- Historic Small Town
- Suburban Residential
- Industrial

0 1 2 4 Miles

# EXISTING POPULATION DENSITY

More than 442,000 people live in the Study Area

- 258,000 in Fairfax County
- 184,000 in Prince William County



# Diversity in the Study Area

**442,000**  
Total Population

**47%**  
Minority

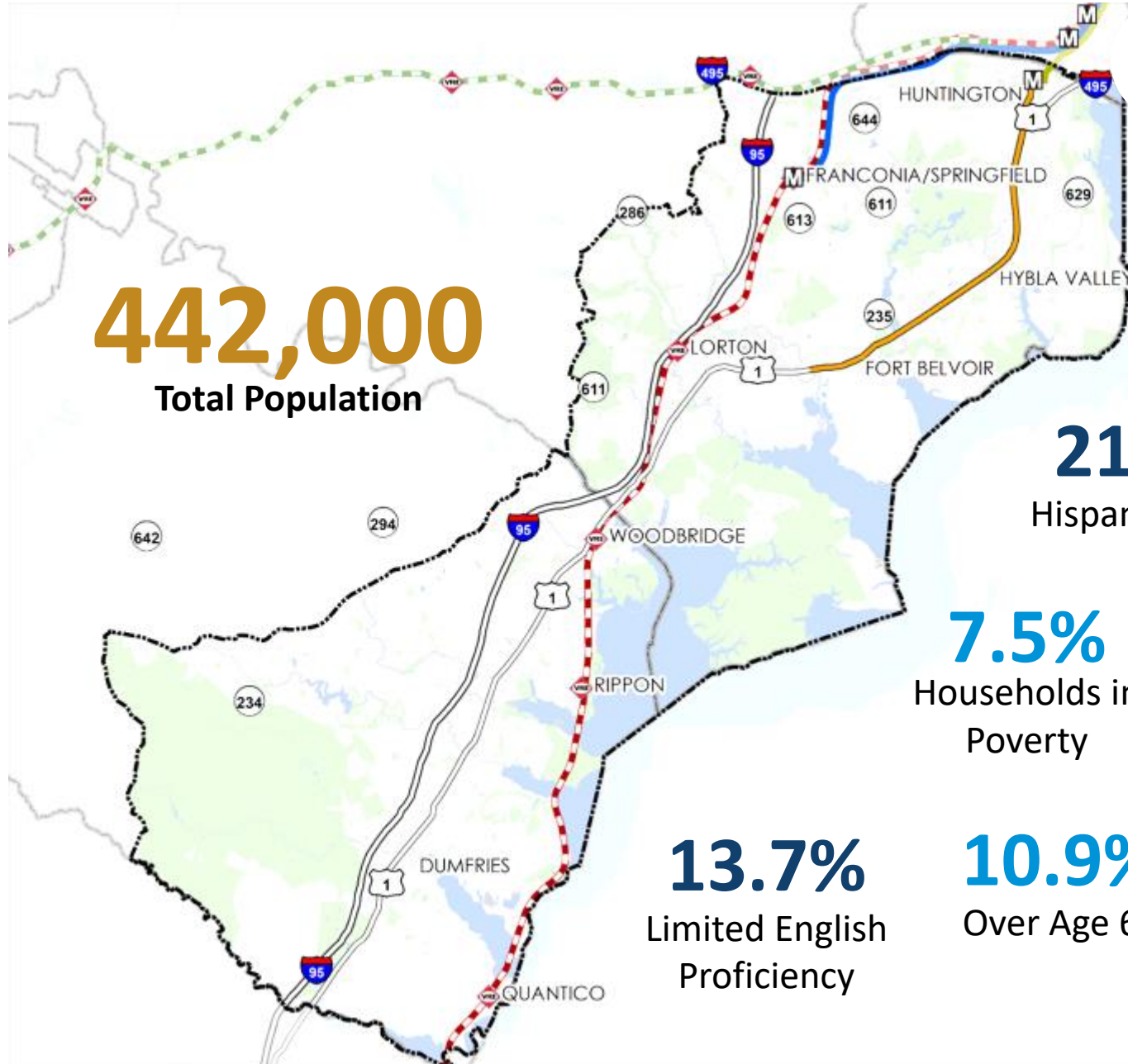
**16.6%**  
Low Vehicle  
Ownership

**21.2%**  
Hispanic/Latinx

**7.5%**  
Households in  
Poverty

**13.7%**  
Limited English  
Proficiency

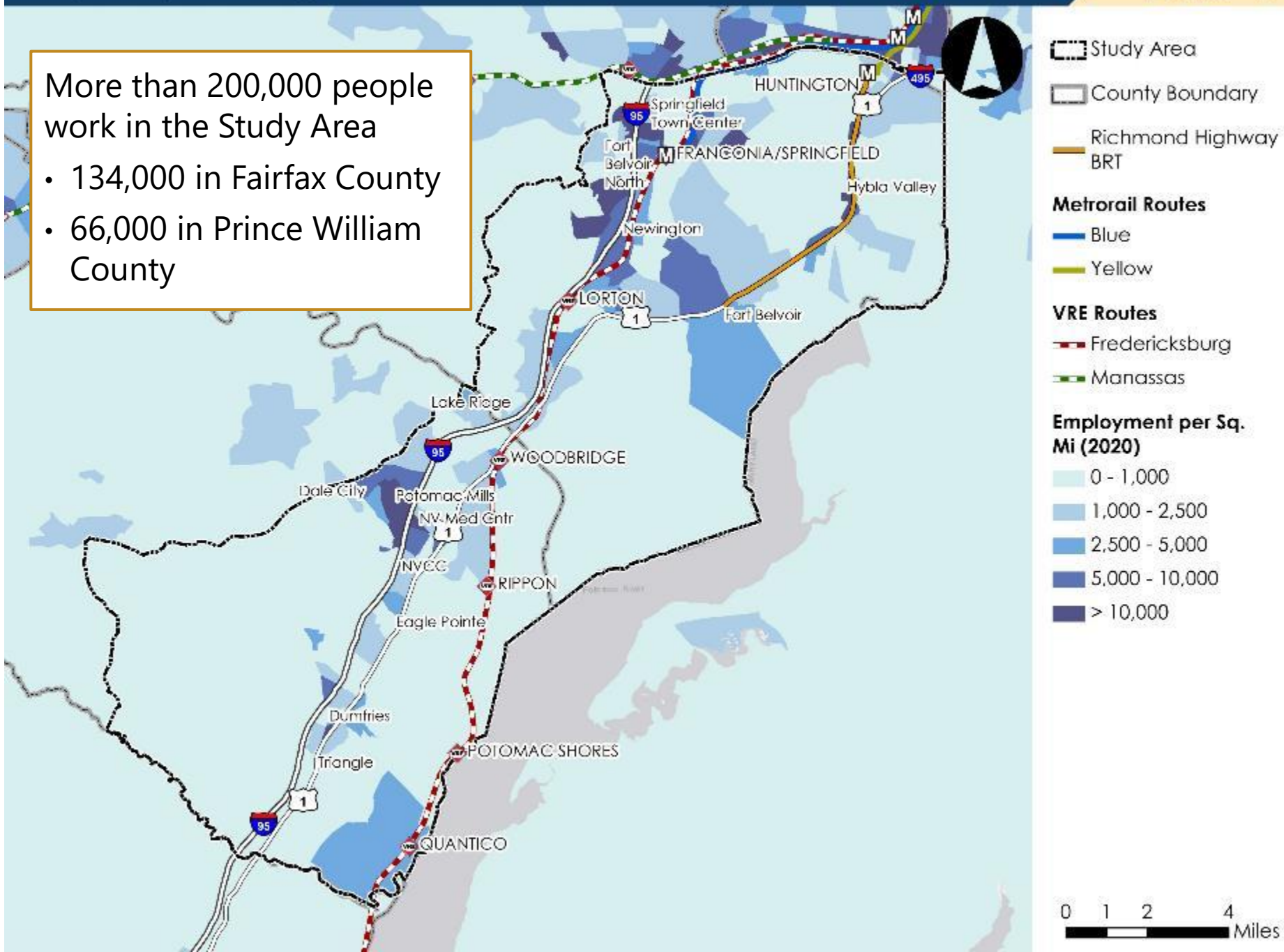
**10.9%**  
Over Age 65



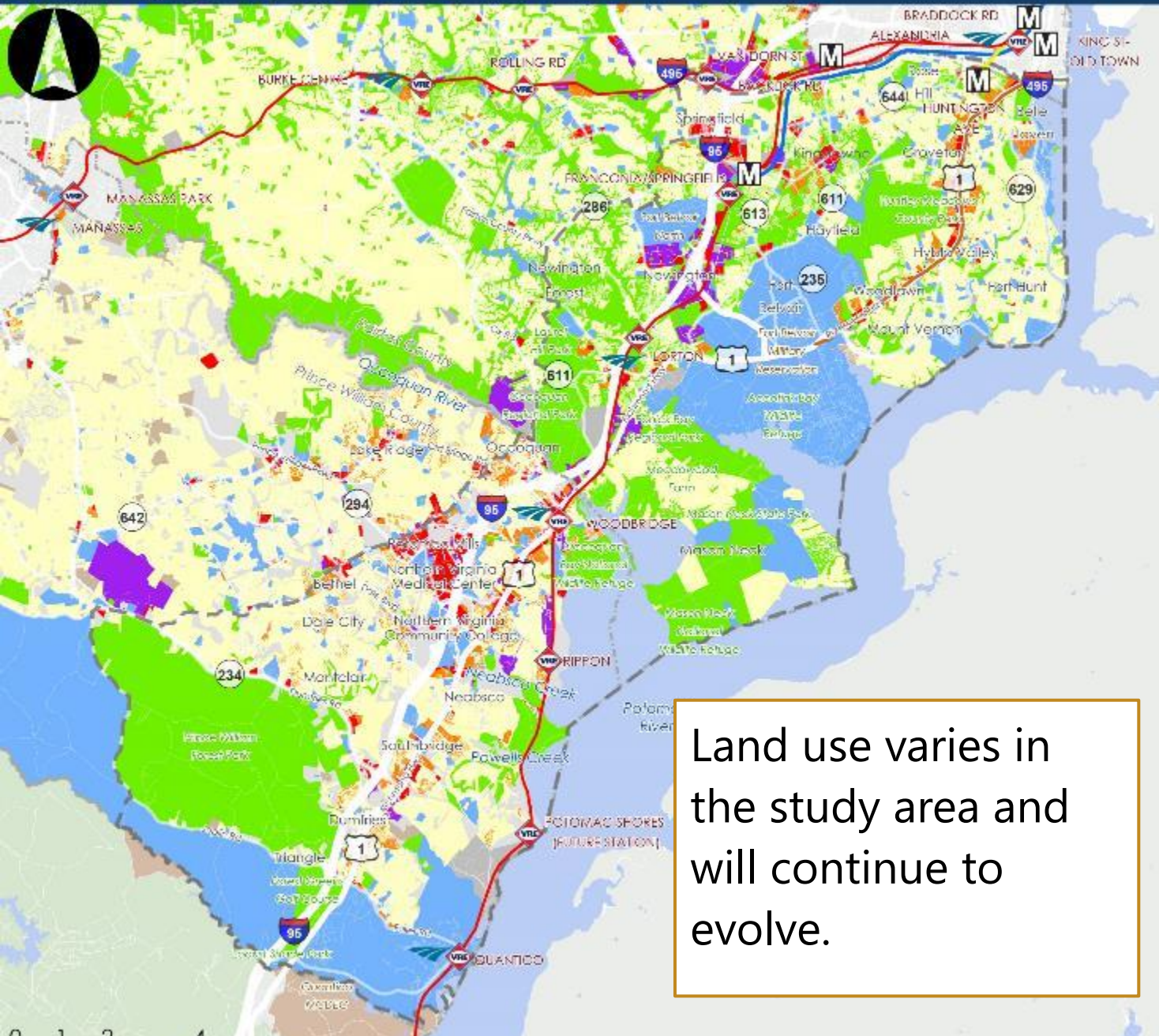
# EXISTING EMPLOYMENT DENSITY

More than 200,000 people work in the Study Area

- 134,000 in Fairfax County
- 66,000 in Prince William County



# Existing Land Use



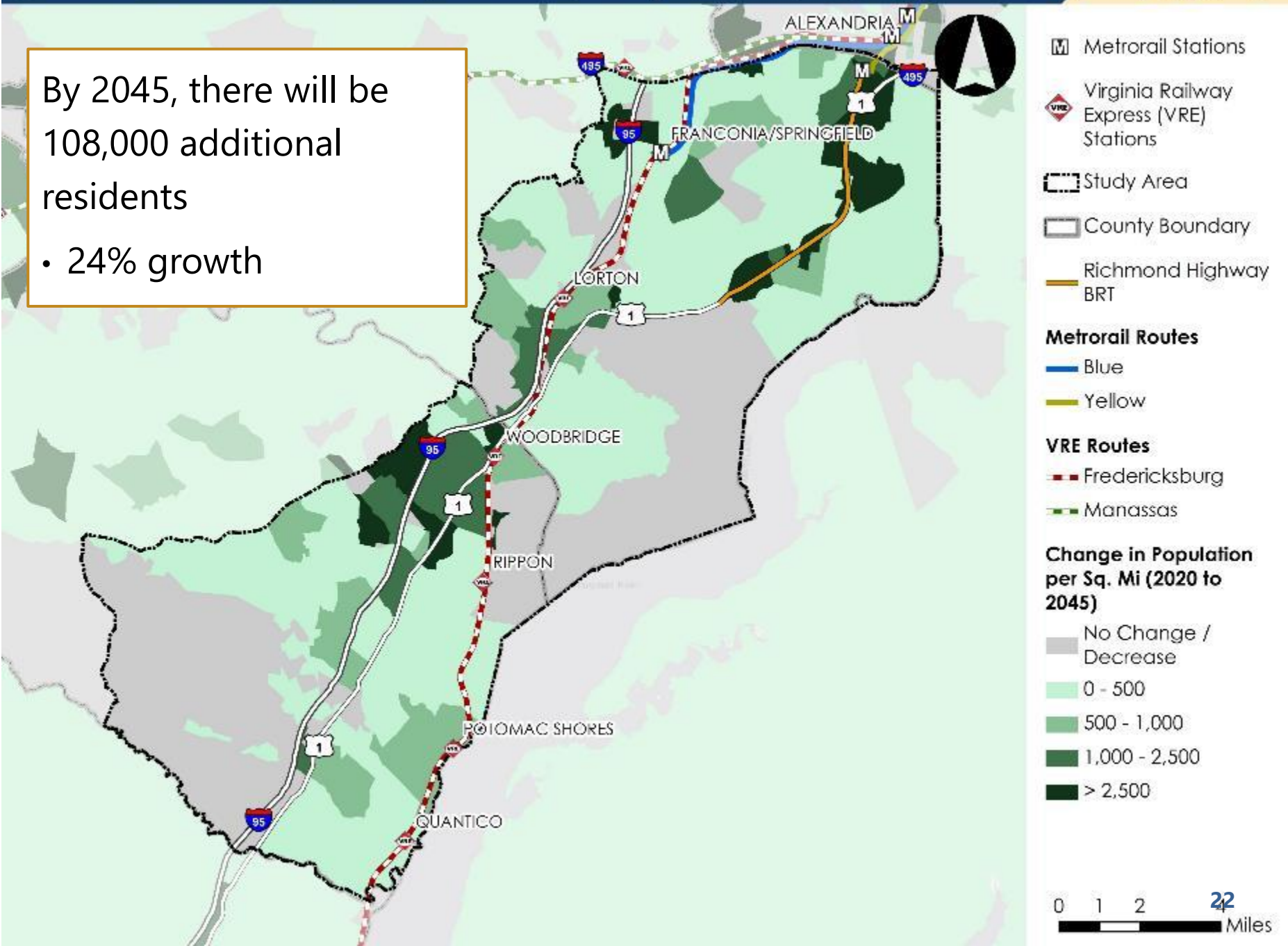
- Metrorail Stations
- Virginia Railway Express (VRE) Stations
- Amtrak Stations
- VRE & Amtrak Routes
- Richmond BRT
- Metrorail Routes**
  - Blue
  - Yellow
- Study Area
- Counties
- Existing Land Use**
  - Commercial
  - Industrial
  - Institutional
  - Residential - Multifamily
  - Residential - Single Family
  - Agricultural
  - Open Space/Recreation
  - Utilities/Transportation
  - Vacant
  - ROW

Land use varies in the study area and will continue to evolve.

# CHANGE IN POPULATION DENSITY (2020 TO 2045)

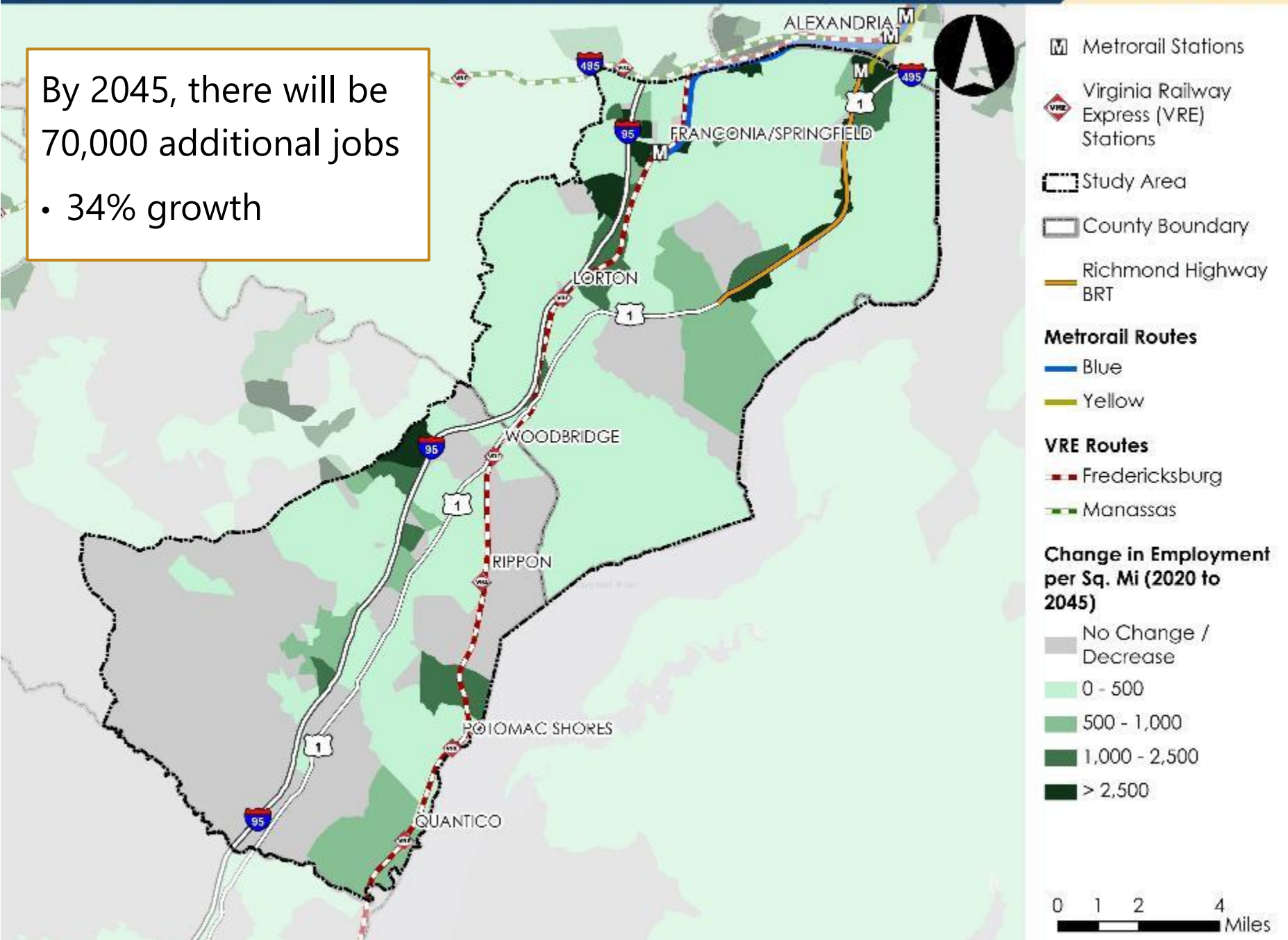
By 2045, there will be 108,000 additional residents

- 24% growth

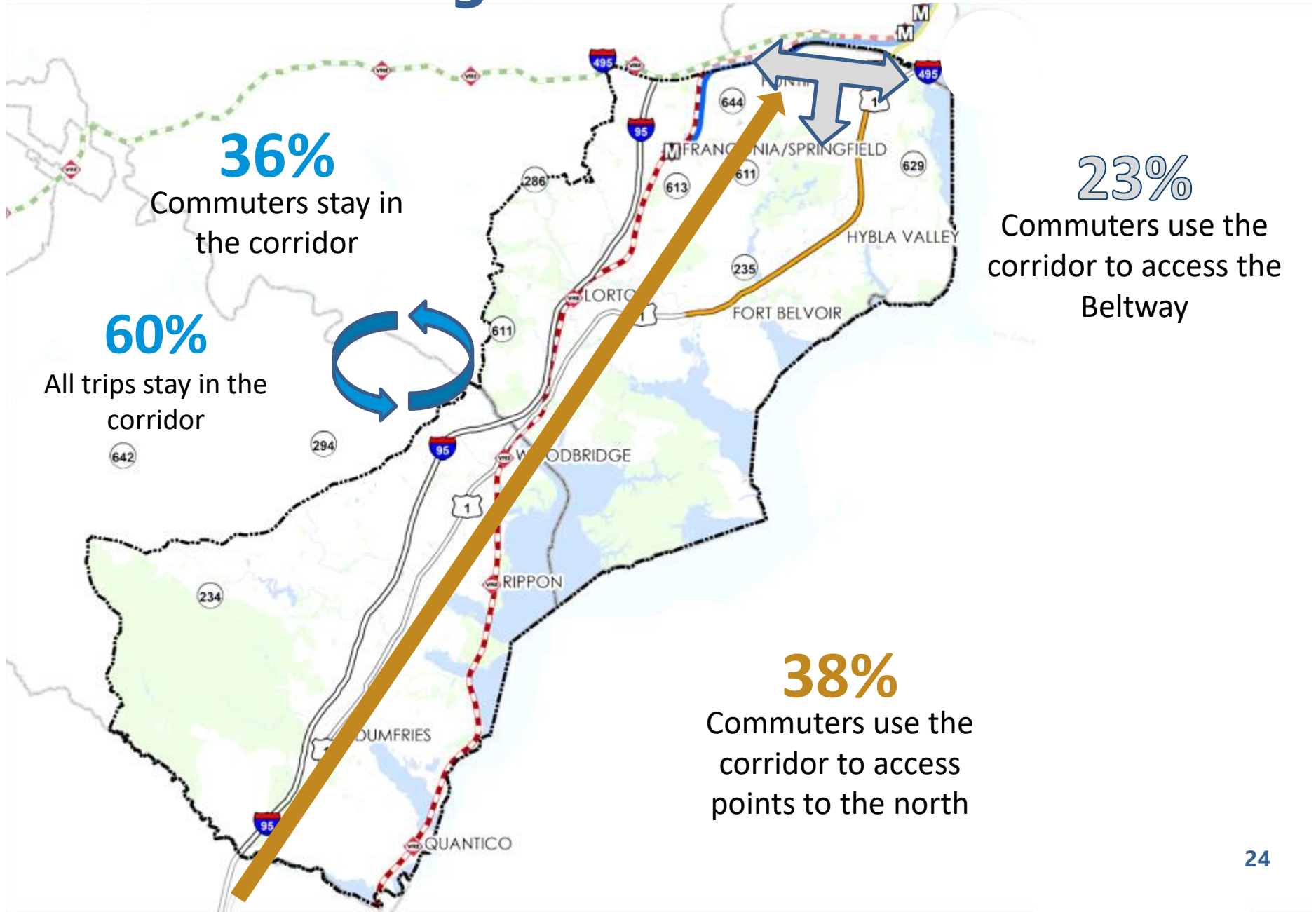


# CHANGE IN EMPLOYMENT DENSITY (2020 TO 2045)

By 2045, there will be 70,000 additional jobs  
• 34% growth



# Existing Commute Patterns



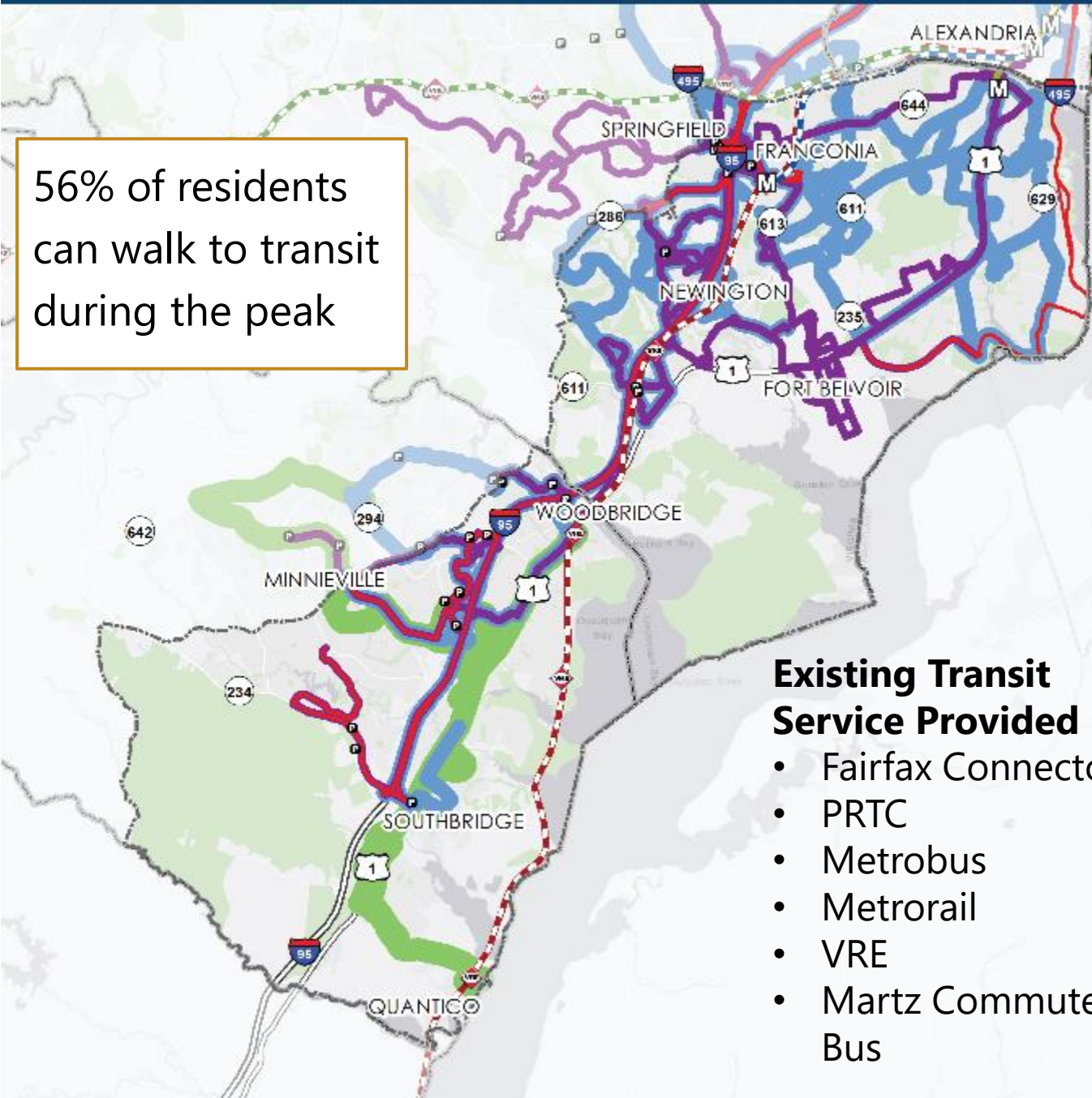


# Existing and Planned Transportation Network

---

# Frequency of Peak Bus Service

56% of residents can walk to transit during the peak



- Study Area
- County Boundary
- Metrorail Stations
- Virginia Railway Express (VRE) Stations
- Park and Rides

### Metrorail Routes

- Blue
- Yellow

### VRE Routes

- Fredericksburg
- Manassas

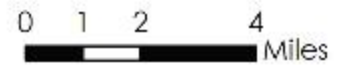
### Routes by Frequency Level (Time Between Buses)

- 15 minutes or less
- 16-30 minutes
- 31-45 minutes
- Over 45 minutes

- I-95
- US Route 1

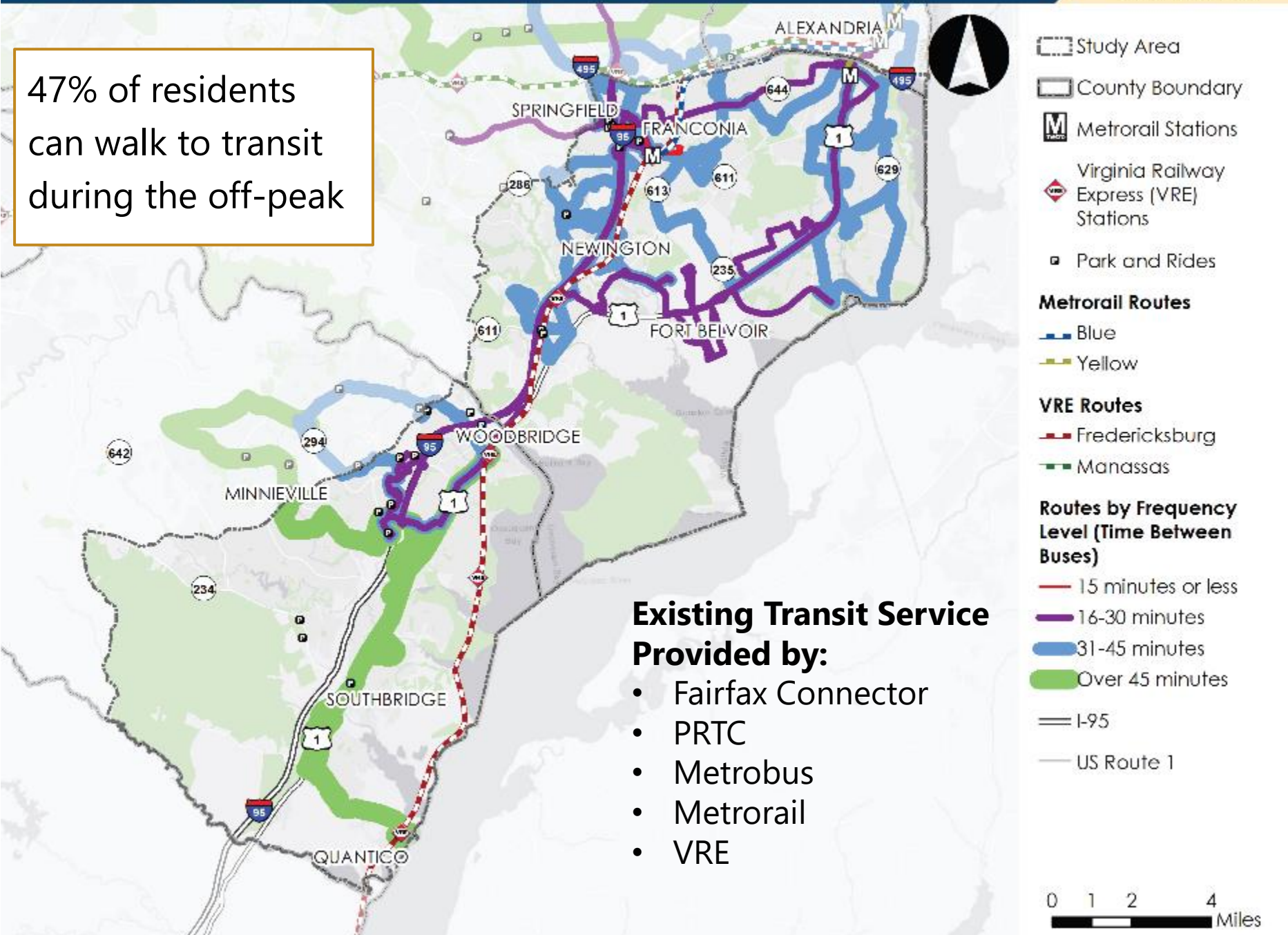
## Existing Transit Service Provided by:

- Fairfax Connector
- PRTC
- Metrobus
- Metrorail
- VRE
- Martz Commuter Bus



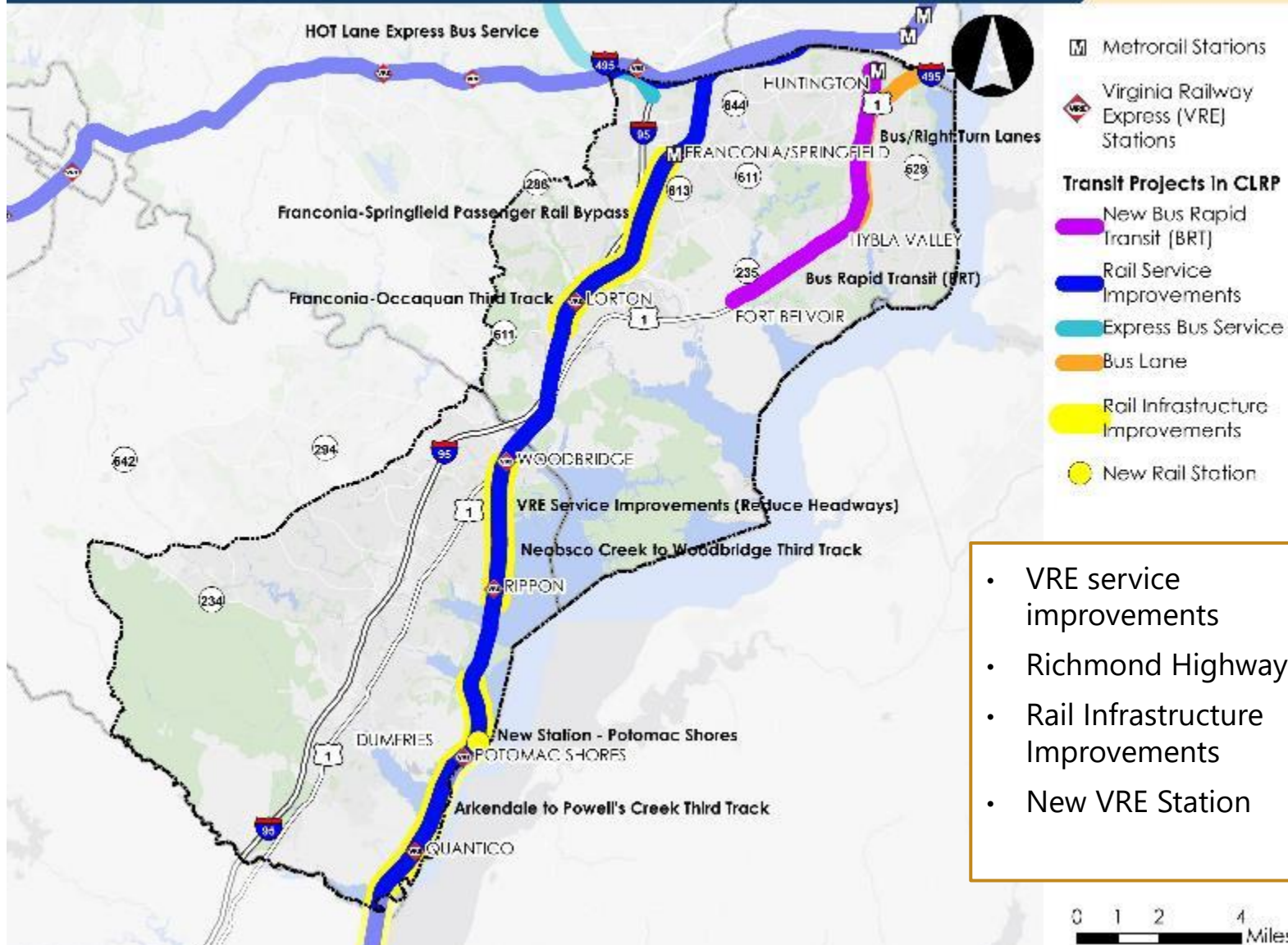
# Frequency of Off-Peak Bus Service

47% of residents can walk to transit during the off-peak



# Planned Transit Projects

## STUDY AREA



- VRE service improvements
- Richmond Highway BRT
- Rail Infrastructure Improvements
- New VRE Station

# Transforming Rail in Virginia Program



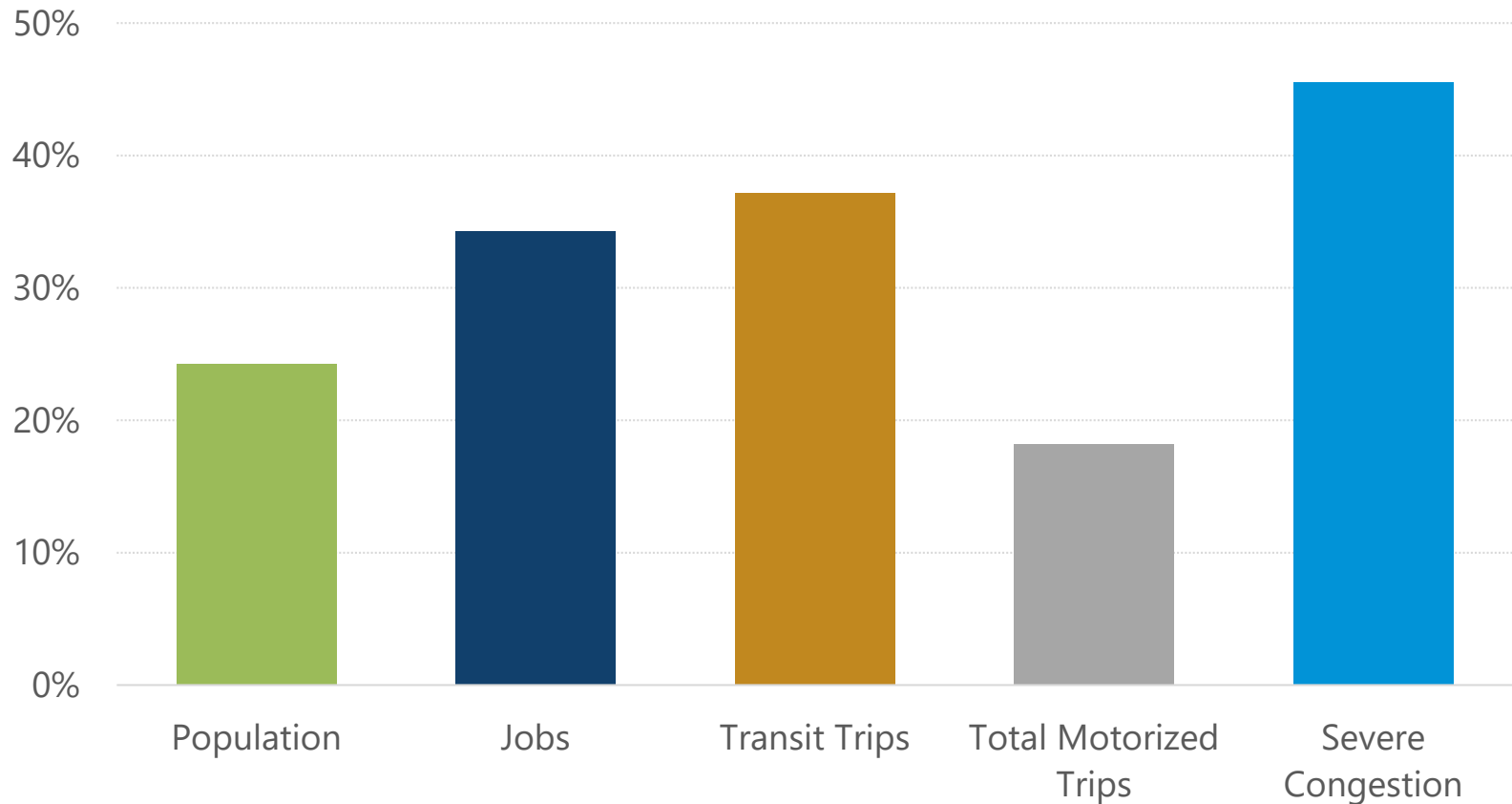
On December 19<sup>th</sup>, 2019, Governor Northam, Secretary Valentine, CSX, Amtrak, and VRE announced a **\$3.7B** landmark deal (formalized March 30, 2021, shown here)

- Acquiring **384 miles** Railroad Right of Way (ROW) & **223 miles** track funded from federal/state/local revenues.
- Program will work toward separation of freight and passenger rail in the I-95 corridor.

# Transit Needs

---

# Study Area Growth Forecasts: 2019-2045



- Existing problems are likely to get worse

# Which problems are we trying to solve?



## Identifying needs helps us...

- Understand what should be addressed by potential solutions
- Create project goals, objectives, and evaluation measures
- Determine which alternatives should be considered as reasonable options



# Enhanced Public Transit is Needed Because ...

Existing transit does not  
**serve all trips well**

Transit services may need  
enhancements to support **future  
development**

Transit can improve **equity** by  
connecting low-income and minority  
populations to opportunities

Transit connections to key regional  
**activity centers**, such as Fort Belvoir  
and Quantico bases, are limited







**Traffic congestion** is severe and  
continuing to get worse

**Access to Transit Services** is reliant on  
park & ride or long walks to the bus

# Potential Transit Enhancements

---

# How will we evaluate feasibility?

<b>Goals for Enhanced Transit</b>		
<b>Ridership Potential</b>  Increase transit usage in the study corridor	<b>Congestion Mitigation</b>  Reduce the amount of traffic congestion in the study corridor	<b>Equity</b>  Provide a fair distribution of costs and benefits across different population groups
<b>Regional Accessibility/Connectivity</b>  Increase access to regional activity centers and meet identified service gaps	<b>Cost-effectiveness</b>  Ensure that resources are used efficiently	<b>Development Potential</b>  Create opportunities for development around stations or stops

# Transit Modes for Alternatives Testing

## 5 Options:



Metrorail – Blue Line Extension



Metrorail – Yellow Line Extension



Bus Rapid Transit

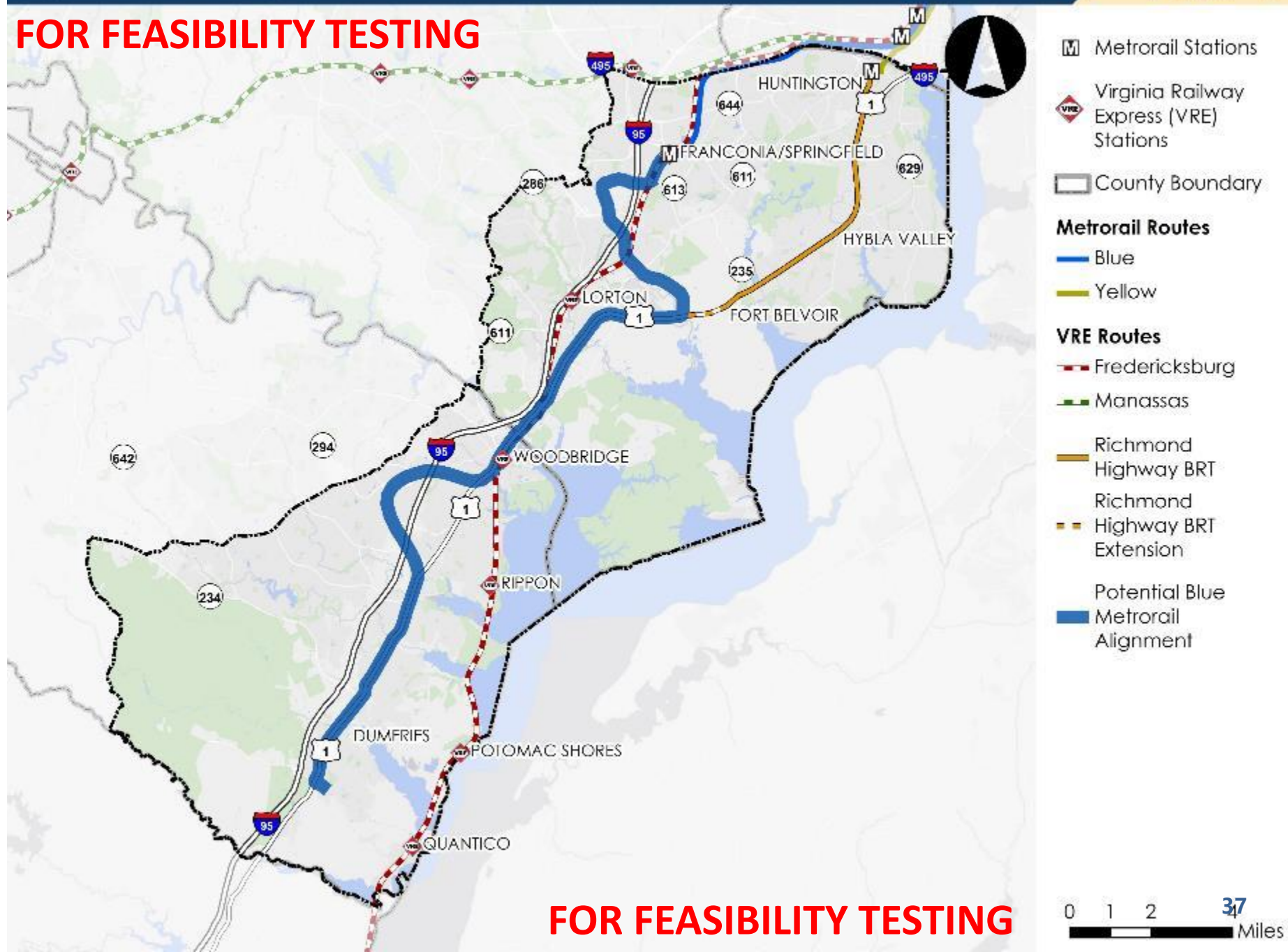


VRE Service Improvements



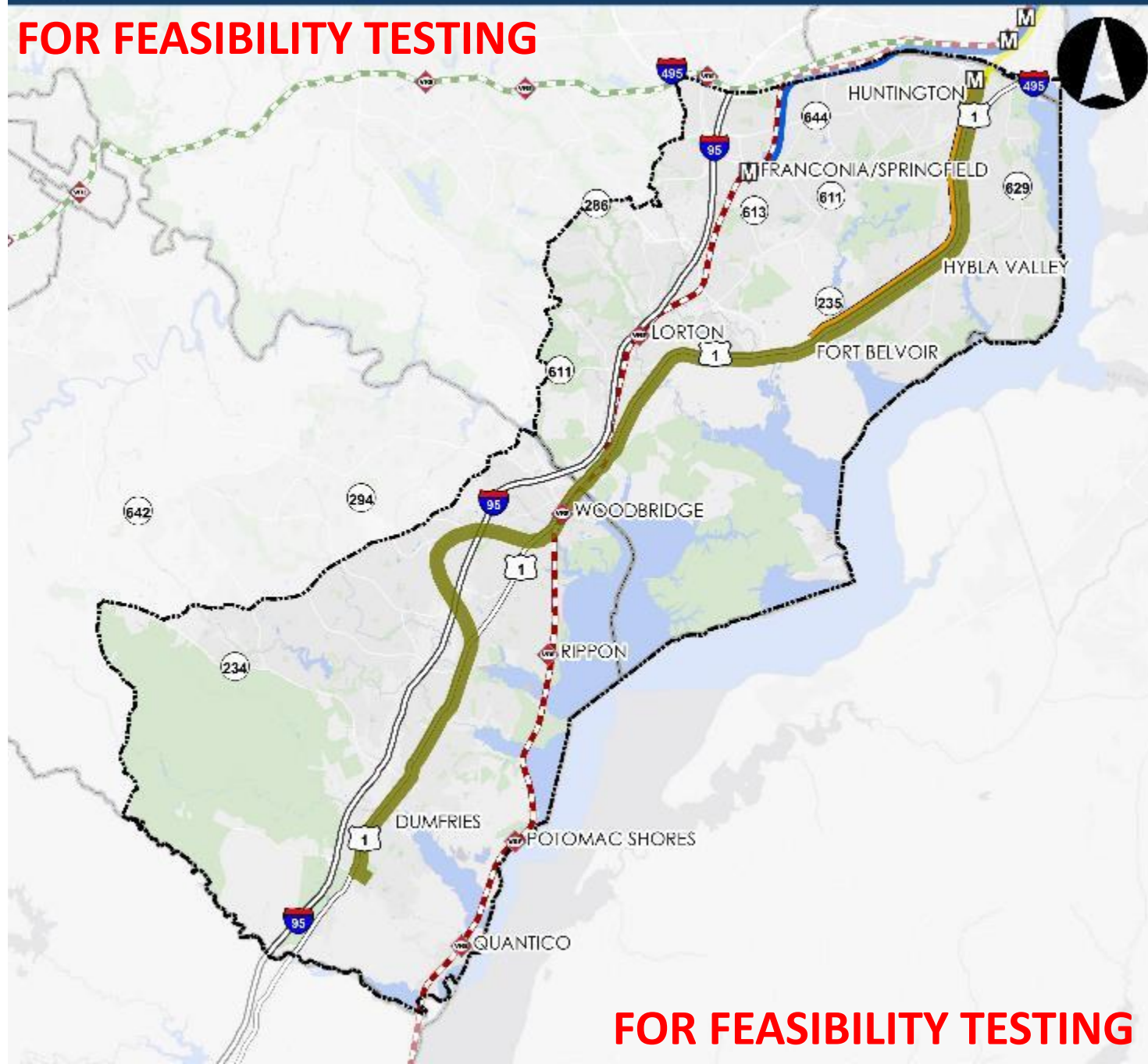
Express Bus Routes

## FOR FEASIBILITY TESTING



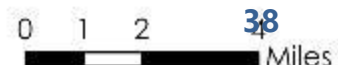
## FOR FEASIBILITY TESTING

## FOR FEASIBILITY TESTING

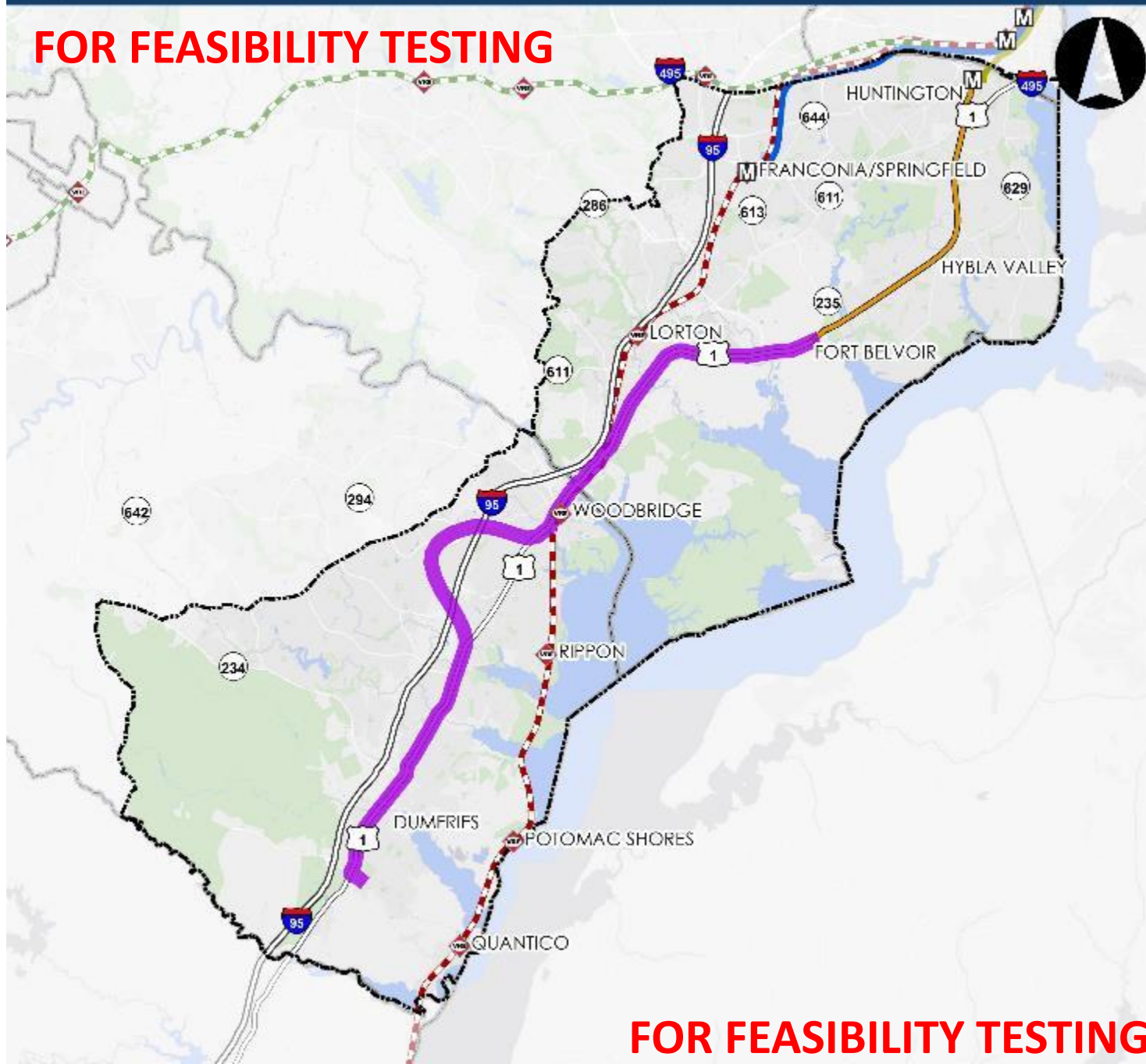


- Metrorail Stations
- Virginia Railway Express (VRE) Stations
- County Boundary
- Richmond Highway BRT
- Metrorail Routes**
  - Blue
  - Yellow
- VRE Routes**
  - Fredericksburg
  - Manassas
  - Potential Yellow Metrorail Alignment

## FOR FEASIBILITY TESTING



## FOR FEASIBILITY TESTING

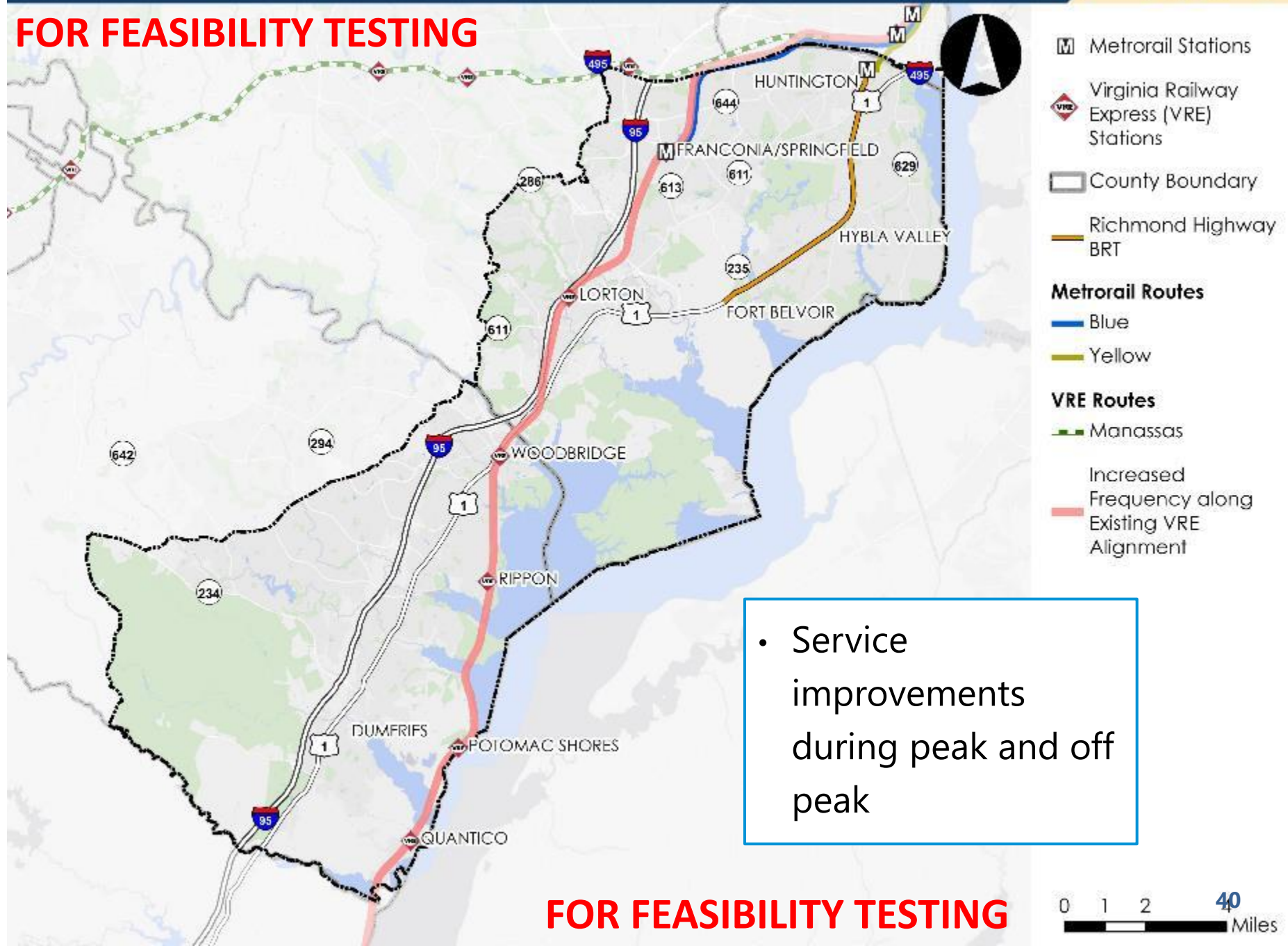


- Metrorail Stations
- Virginia Railway Express (VRE) Stations
- County Boundary
- Richmond Highway BRT
- Metrorail Routes**
  - Blue
  - Yellow
- VRE Routes**
  - Fredericksburg
  - Manassas
- Potential BRT Alignment

## FOR FEASIBILITY TESTING



## FOR FEASIBILITY TESTING



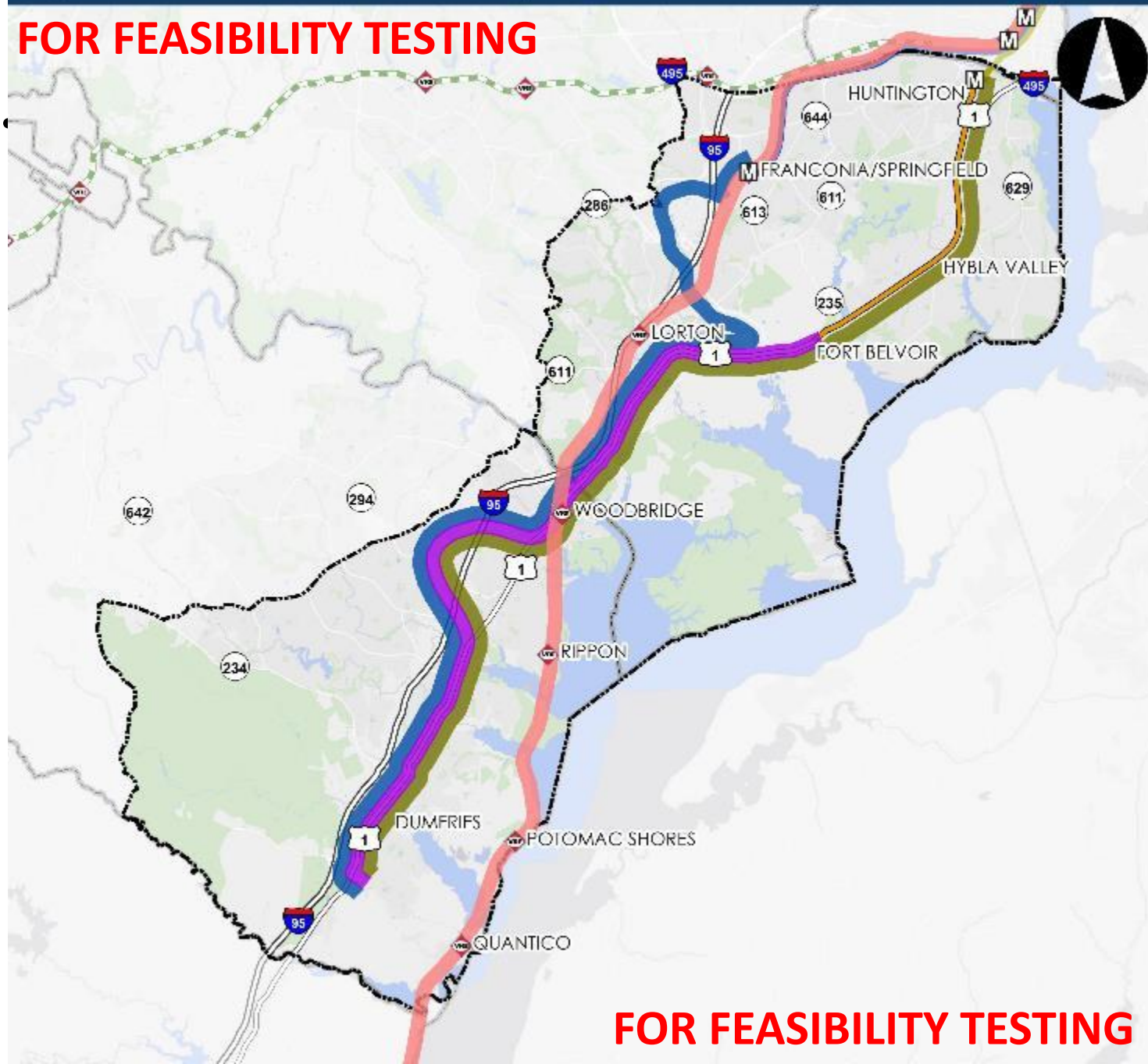
- Service improvements during peak and off peak

**FOR FEASIBILITY TESTING**





## FOR FEASIBILITY TESTING



- Metrorail Stations
- Virginia Railway Express (VRE) Stations
- County Boundary
- Richmond Highway BRT
- Metrorail Routes**
  - Blue
  - Yellow
- VRE Routes**
  - Manassas
- Alternatives**
  - Blue Line Metrorail
  - Yellow Line Metrorail
  - Bus Rapid Transit
  - Increased Frequency Along Existing VRE Alignment

## FOR FEASIBILITY TESTING



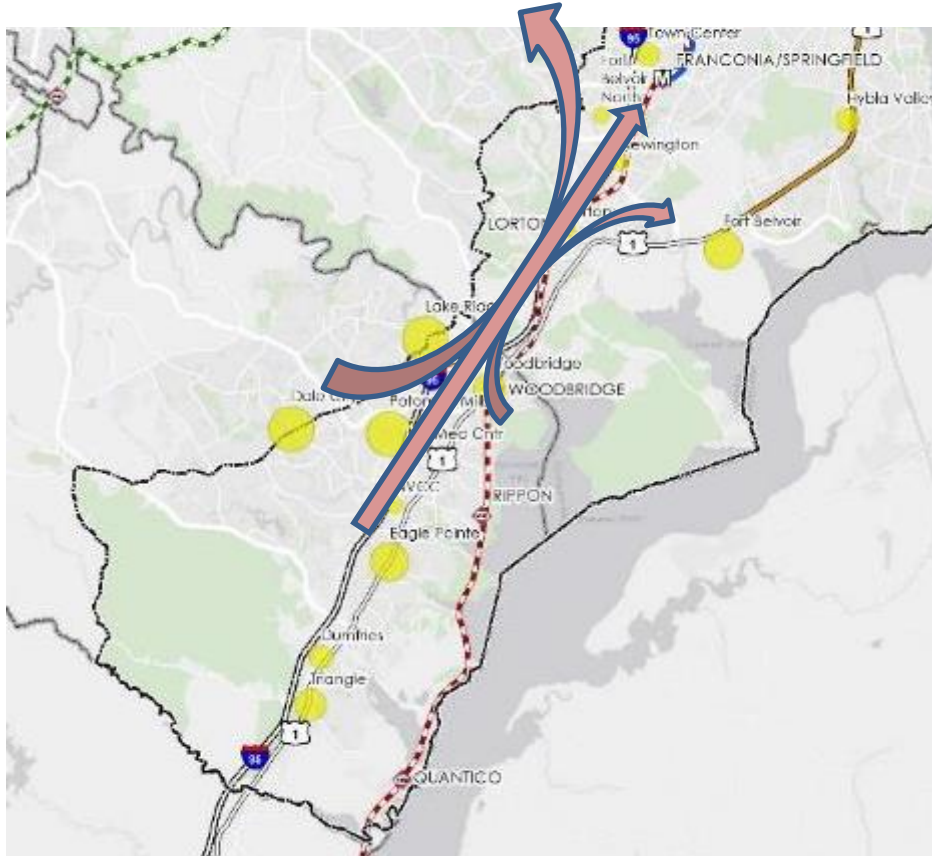
# Express Bus Alternatives

## Origins

Lake Ridge  
Dale City/Potomac Mills, Quantico  
Woodbridge  
Woodbridge  
Woodbridge/Dale City/Quantico

## Destinations

Old Town Alex. via I-95  
Tysons  
Reston  
Fairfax City  
Ft. Belvoir South



# Next Steps

---

- Finalize transit alternatives
- Evaluate feasibility of alternatives
- Analyze potential impacts to land use and development patterns
- Make recommendations

Project Survey:

[bit.ly/DRPTSpringfieldQuantico](https://bit.ly/DRPTSpringfieldQuantico)

Encuesta:

[bit.ly/DRPTSpringfieldQuanticoES](https://bit.ly/DRPTSpringfieldQuanticoES)

# Q&A

---

Type your clarification questions into the chat box.



# This meeting will resume in five minutes

---

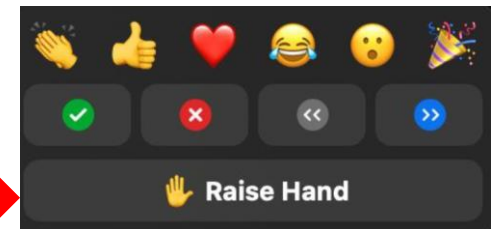
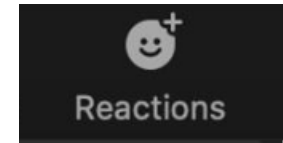
Coming up...

Breakout groups to discuss:

1. Have we identified the important transit needs and problems in the corridor? Did we miss anything?
2. What is the most important thing to improve about transit in the corridor?
3. Where should enhanced transit serve? What time of day does the corridor need better transit service?
4. What do you think about the potential alternatives we showed?

# Welcome to the breakout room!

- Please raise your hand if you want to speak
- Please remain muted if you have not been called on to ask a question
- Breakout rooms will be active for approximately 35 minutes
- There is a notetaker in each breakout room to capture the discussion
- You are always welcome to use the chat feature to ask questions



# Breakout Groups – Discussion Questions

---

1. Have we identified the important transit needs and problems in the corridor? Did we miss anything?
2. What is the most important thing to improve about transit in the corridor?
3. Where should enhanced transit serve? What time of day does the corridor need better transit service?
4. What do you think about the potential alternatives we showed?

# Group Reports

---



**Thank you for your participation!**

## **Springfield to Quantico Enhanced Public Transportation Feasibility Study**

**Public Meeting #1**

<http://www.drpt.virginia.gov/transit/springfield-to-quantico/>

Project Survey:

[bit.ly/DRPTSpringfieldQuantico](http://bit.ly/DRPTSpringfieldQuantico)

Encuesta:

[bit.ly/DRPTSpringfieldQuanticoES](http://bit.ly/DRPTSpringfieldQuanticoES)