



Update on

Embark Richmond Highway Comprehensive Plan Amendment and Transportation Projects

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Board Transportation Committee
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Presentation Overview

Embark Components

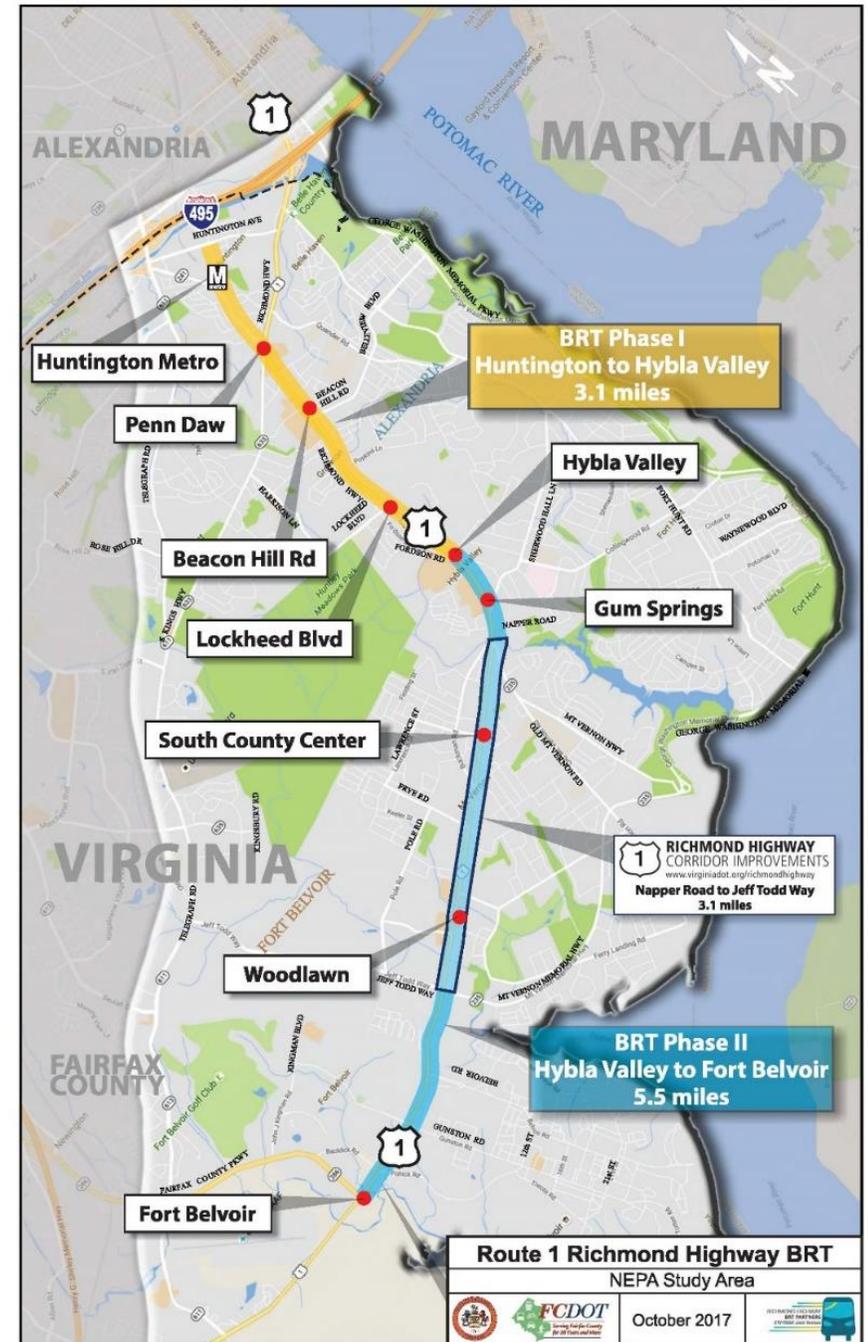
- Richmond Highway Comprehensive Plan Amendment
- Richmond Highway Corridor Improvements
- Bus Rapid Transit (BRT) System



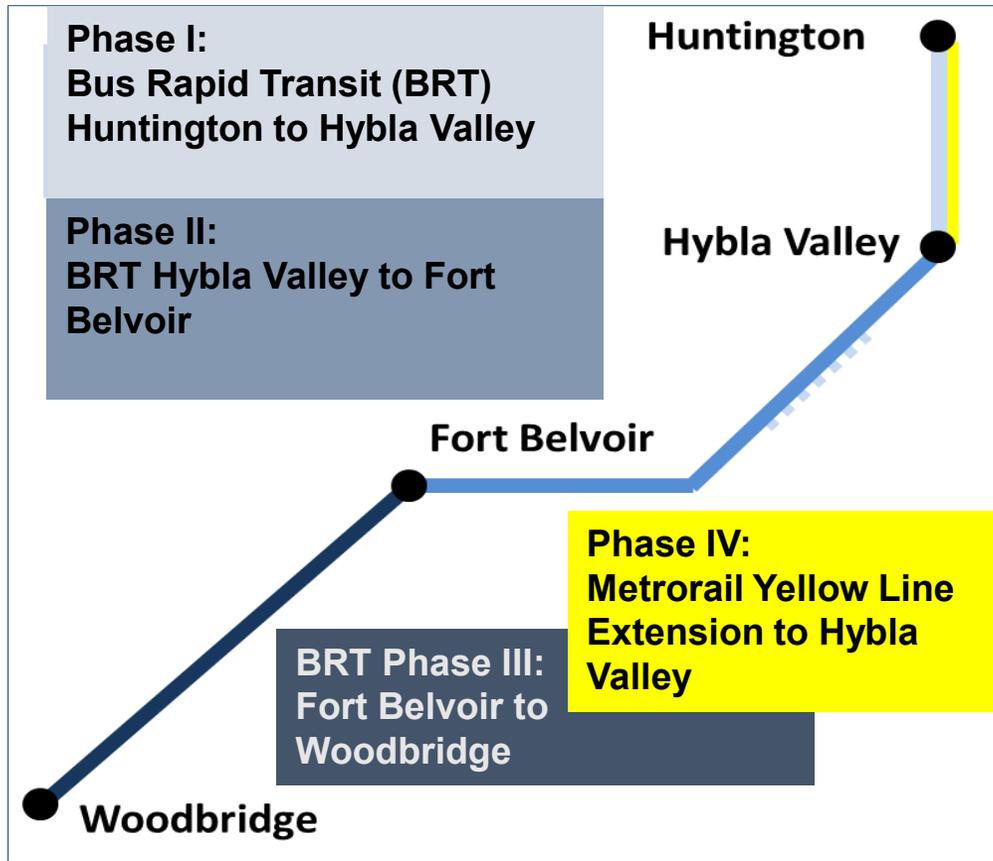
Richmond Highway Corridor

Active Projects:

- Richmond Highway Comprehensive Plan Amendment (Huntington Metrorail Station to Fort Belvoir)
- Richmond Highway Corridor Improvements Project (Mt. Vernon Hwy to Napper Road)
- Richmond Highway BRT Program (Huntington Metrorail Station to Fort Belvoir)



Route 1 Multimodal Alternatives Analysis



- Virginia Department of Rail and Public Transportation (DRPT) completed in February 2015
- Included 16-mile segment of Route 1 from Huntington Metrorail Station to Woodbridge
- Recommended BRT along the entire length of Richmond Highway corridor and long term plan to extend the Metrorail Yellow Line to Hybla Valley/Gum Springs

Route 1 Multimodal Alternatives Analysis
(Virginia Dept. of Rail and Public Transit,
2015)

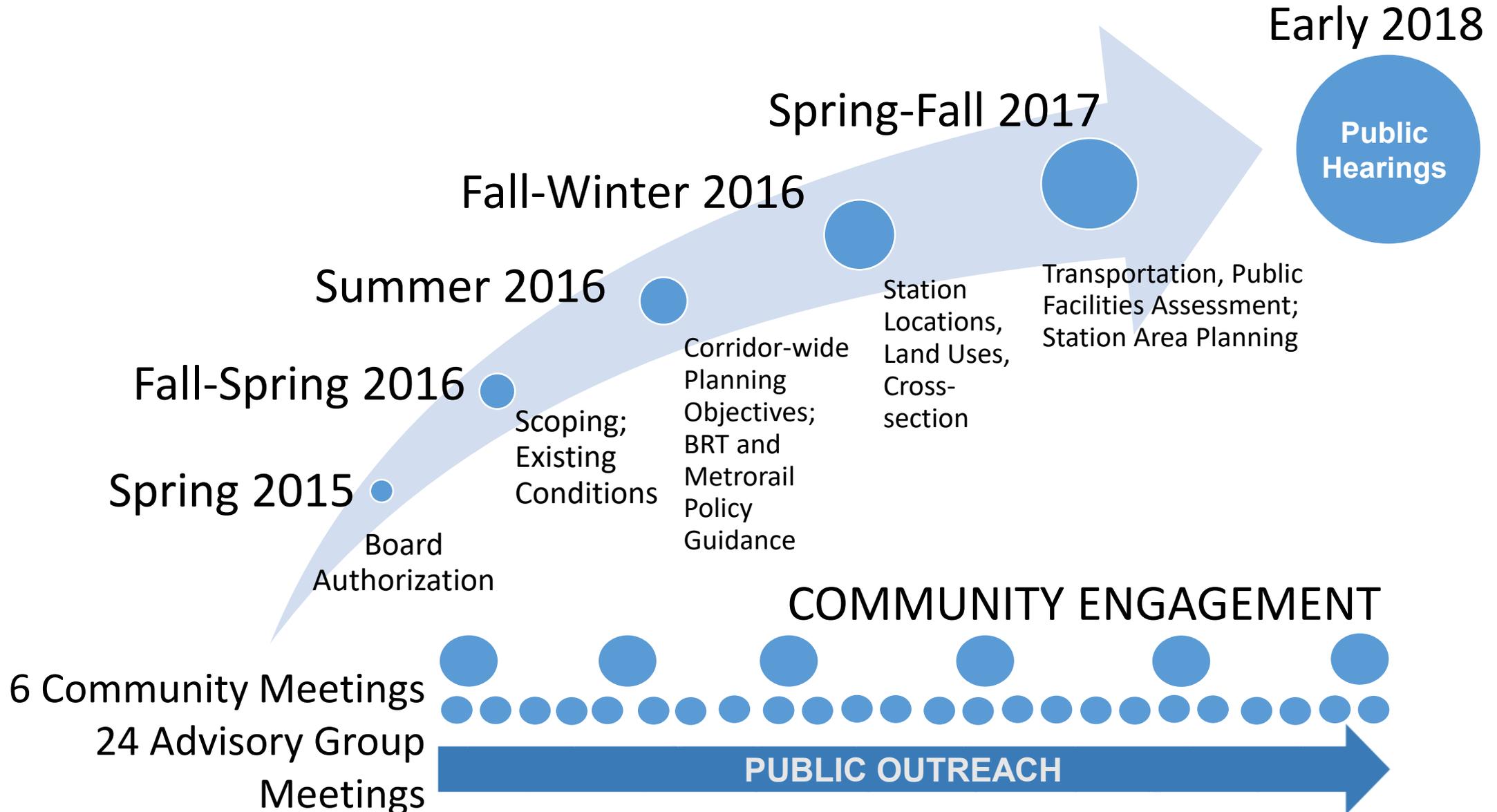
Route 1 Multimodal Alternatives Analysis



- Consistent 6 lanes – Richmond Highway
- Continuous bike/pedestrian facilities – both sides of Richmond Hwy
- Median-running Bus Rapid Transit (BRT) system for Richmond Hwy
- Future Metrorail extension to Hybla Valley

Richmond Highway Comprehensive Plan Amendment

Comprehensive Plan Amendment Process



Guiding Planning Principles



- Revitalization
- Interconnected transportation modes
- High-quality urban design
- Health and leisure
- Economic success of the corridor
- Environmental restoration
- Stewardship of historic resources
- Communities stability

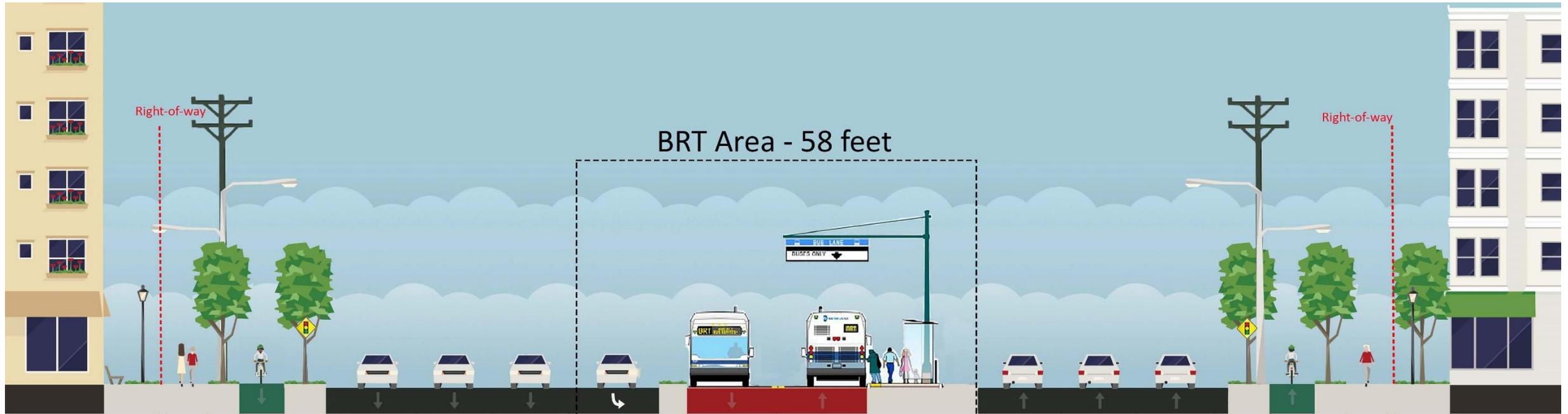
Transportation Principles

Safe, reliable, effective, interconnected modes:

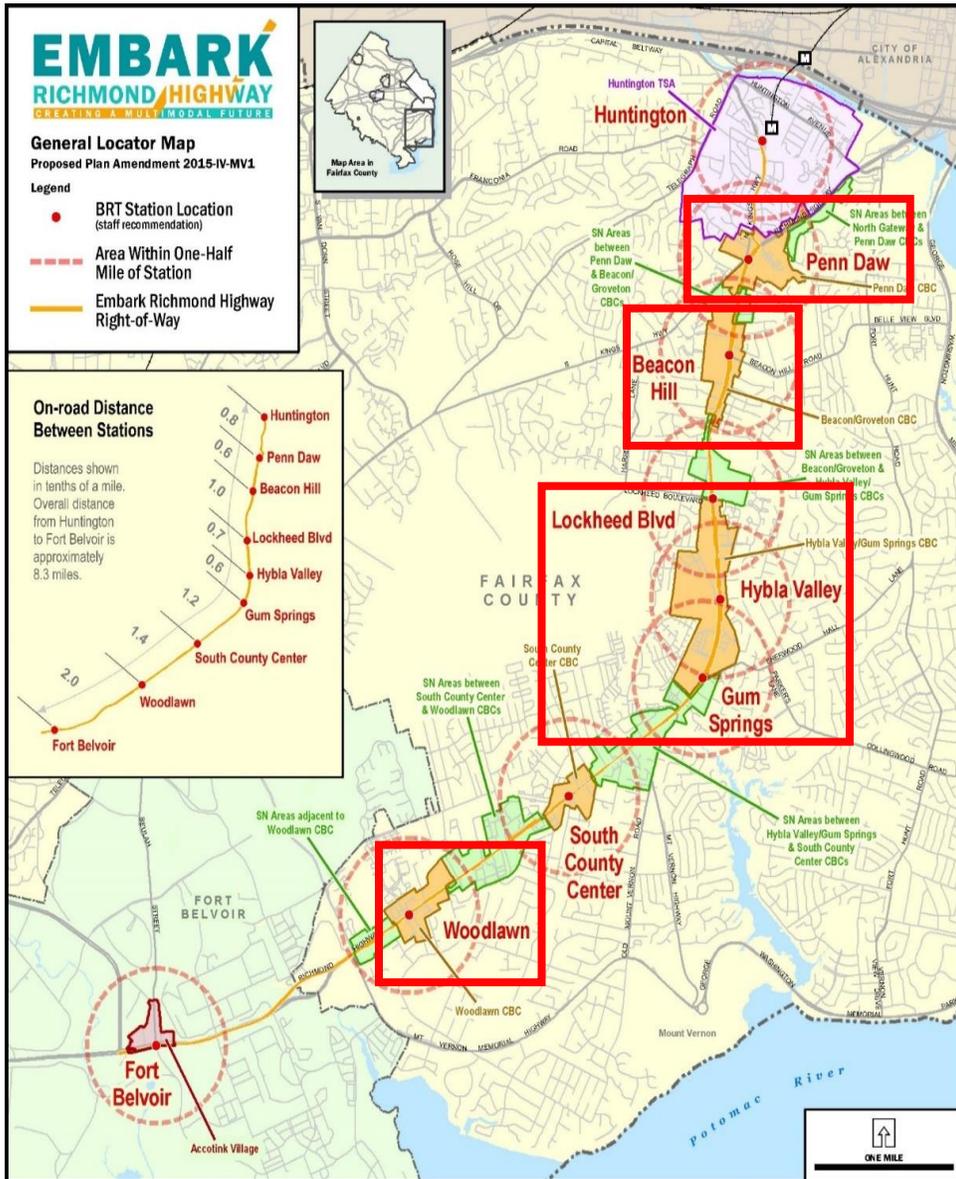
- Reserve exclusive right-of-way for BRT and re-purpose Richmond Highway service drives
- Provide infrastructure to encourage public transit use, walking, and bicycling for all ages and abilities, to reduce vehicular traffic
- Provide complete street network (grids of streets) within CBCs and connect to adjacent neighborhoods
- Consolidate entrances, reduce curb cuts, improve access and enhance signage



Richmond Highway Cross-Section



Community Business Centers (CBCs)



- Majority of redevelopment remains planned within CBCs
- Clearer definition of identity and place for each of the CBCs
- Areas in between remain planned for primarily residential and institutional uses

Comprehensive Plan Vision for the CBCs

“The vision for the Richmond Highway CBCs honors the **legacy** of the corridor and the area’s unique **ecological** features to achieve a series of **well-connected, transit-oriented** activity nodes that celebrate the corridor’s history, embrace its environmental features, and strengthen the greater Richmond Highway community.”

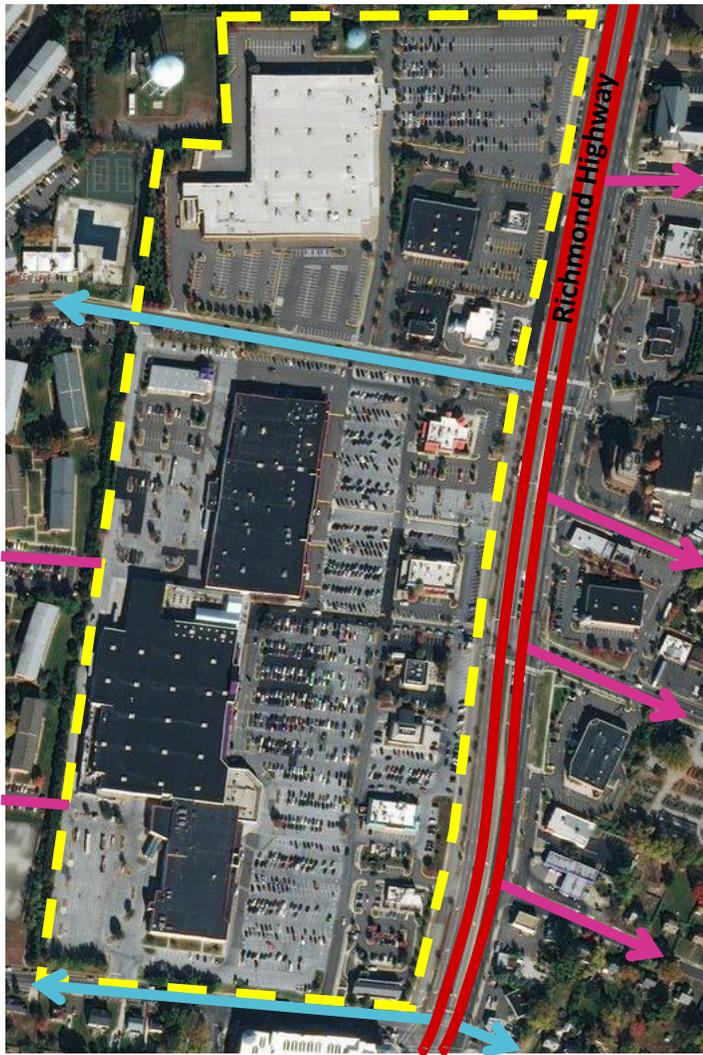


LEGACY ART
NEW YORK CITY

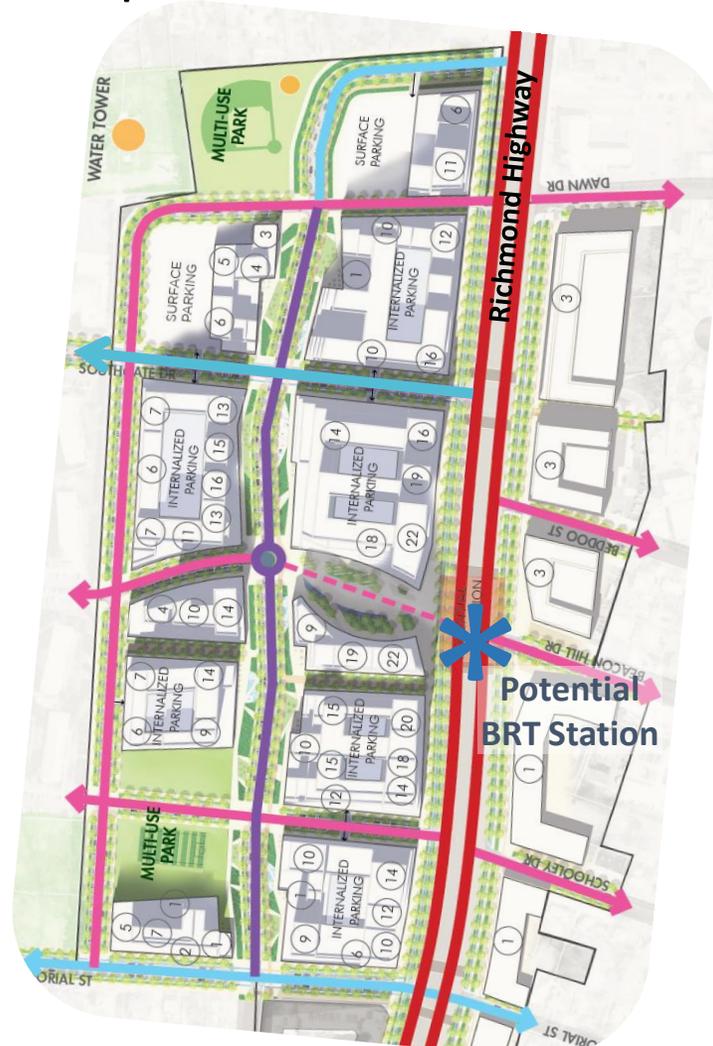


Multimodal Connectivity within CBCs

Existing Beacon Groveton Shopping Center



Proposed Beacon Groveton

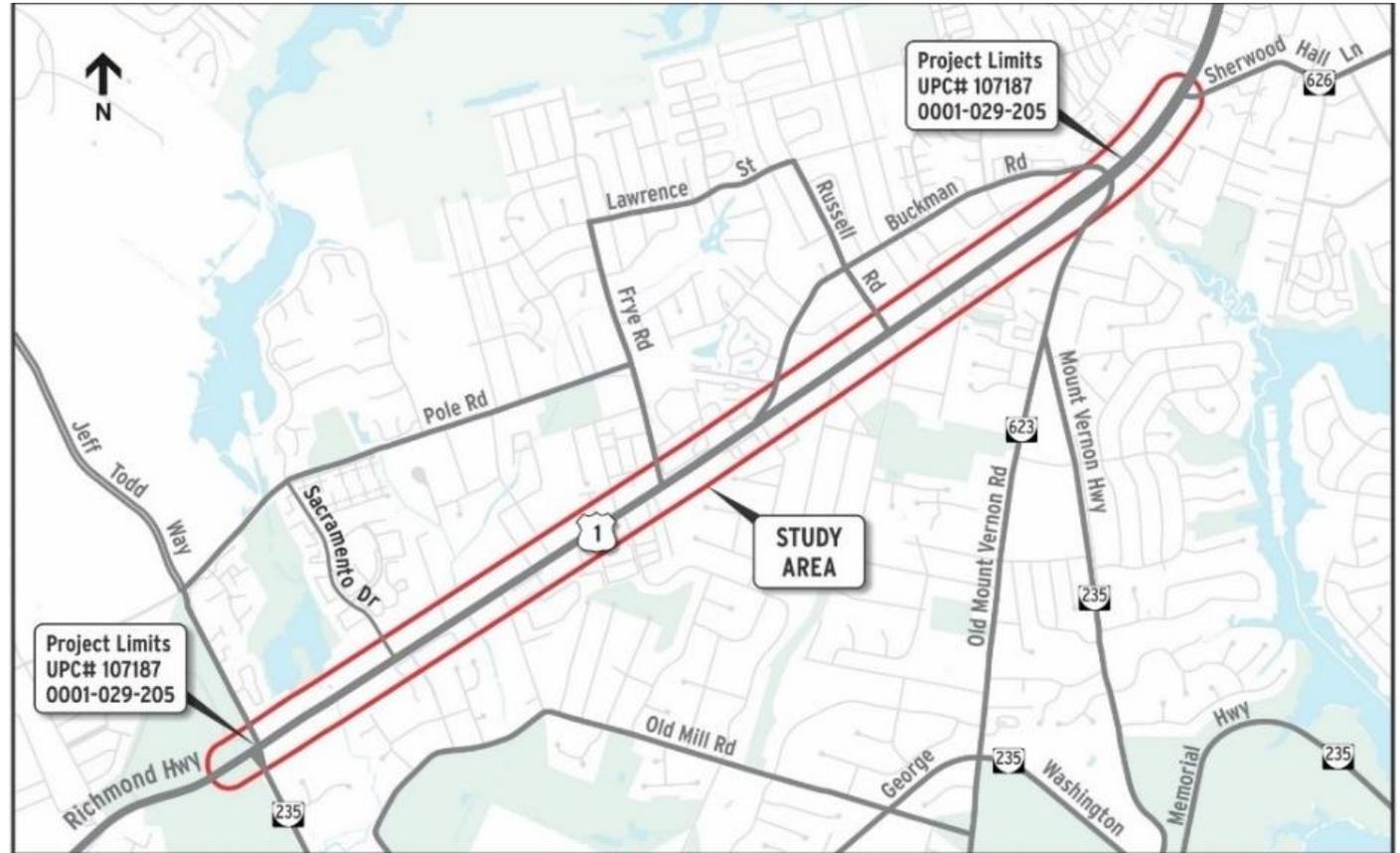


Illustrative image of a complete street designed for walking, biking and vehicles

Richmond Highway Corridor Improvements

Richmond Highway Corridor Improvements

- Jeff Todd Way to Napper Road – 2.9 Miles
- Last remaining four-lane section north of Fort Belvoir
- Planned improvements:
 - Widen to 6 lanes
 - Reserve ROW in median for BRT system
 - Bike & Pedestrian improvements on both sides of ROW



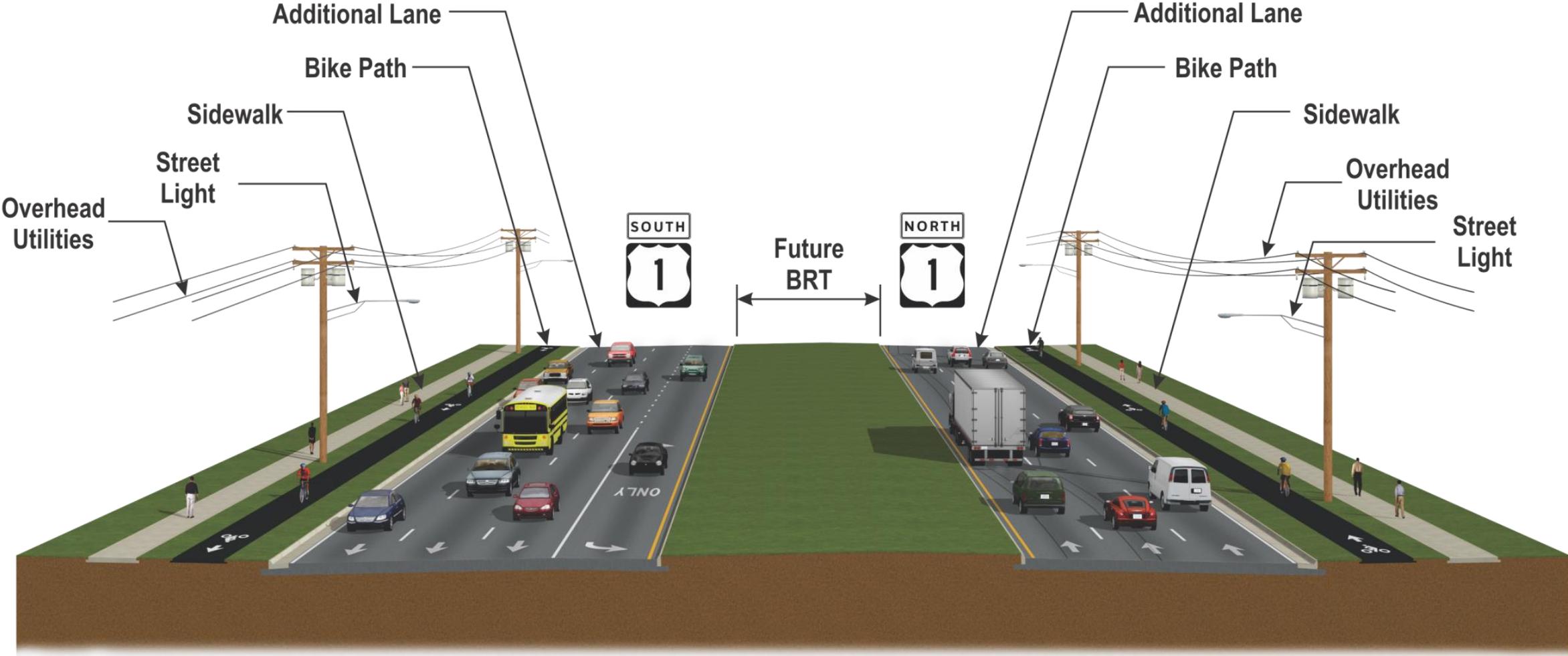
Richmond Highway Corridor Improvements (Cont.)

- Administered by VDOT in coordination with FCDOT
- Purpose and Need:
 - Accommodate existing and future travel demand
 - Accommodate future BRT system
 - Improve safety for all users
- Status and Schedule:
 - Currently in preliminary engineering
 - Design Public Hearing – Fall 2018
 - Construction planned from 2023 to 2025 (overlaps BRT Project)
 - Plan to open to traffic in late 2025

Richmond Highway Corridor Improvements (Cont.)

- Current Activities:
 - Establishing Preferred Intersection Design Option at Two Locations
 - Sacramento/Cooper intersection
 - Buckman Road/Mount Vernon Memorial Highway
 - Preparing for Public Information Meeting #3 – April 4, 2018
 - Conducting Environmental and Stormwater Management Analysis
- Cost:
 - Overall Cost approximately \$215 M
 - Funds currently available = \$44 M

Richmond Highway Corridor Improvements (Cont.)

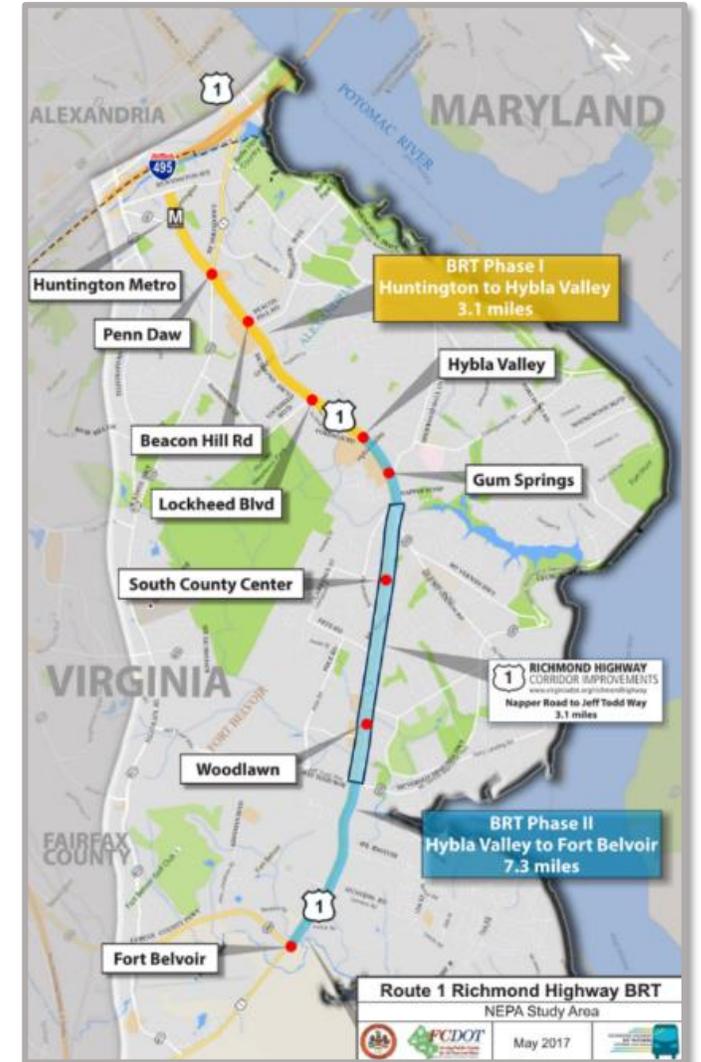


The intent of this exhibit is to depict the configuration of elements within the Proposed right-of-way. For clarity, potential landscaping is not depicted.

Bus Rapid Transit (BRT) System

Richmond Highway BRT Program (Phase I & II)

- Limits: Huntington Metrorail Station to Fort Belvoir
- Two dedicated lanes in median
- Nine potential stations
- Two Phases:
 - Phase I: Huntington Metrorail to Hybla Valley/Gum Springs
 - 5 stations
 - Phase II: Hybla Valley/Gum Springs to Fort Belvoir
 - 4 stations



BRT Program

- Staff is working with a specialized team of Consultants known as the Program Management Consultant (PMC)
- Set-up with a governance structure and includes an executive committee to go over key BRT milestones
- Advisory group has been set up to provide input on BRT issues such as community impacts, station concepts, etc. Consists of 14 members from both Lee and Mount Vernon Districts
- BRT kick off meetings anticipated for April 2018

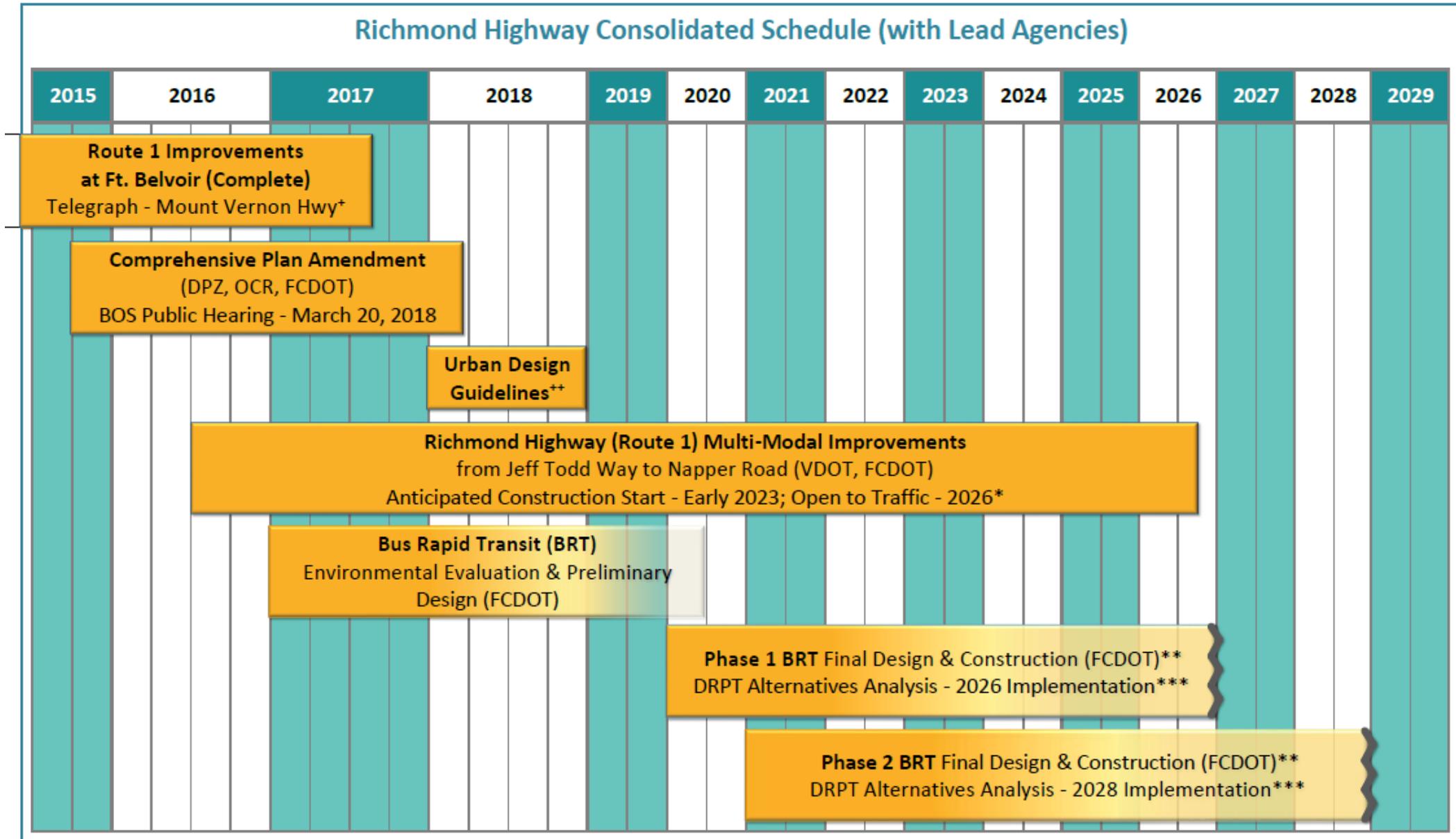


BRT Activities

- Submitted NVTB Application for funding - November 2017
- Technical Working groups such as design, public involvement, station design, etc. meet on regular basis
- Met with FTA - November 7, 2017 and January 24, 2018
- Scope of work for next phase of effort includes Environmental Review, 20% Design and Branding to be executed in March 2018



Richmond Highway Corridor Projects



Questions?