



Northern Virginia Bike & Pedestrian Initiatives

TPB Bicycle and Pedestrian Subcommittee

Heidi Mitter, VDOT NOVA Bike/Ped and Park & Ride Coordinator

November 17, 2021

Virginia's Multimodal Goals

CTB 2020-Adopted VTrans Goals

- A. **Economic Competitiveness and Prosperity**
- B. **Accessible Places**
- C. **Safety for All Users**
- D. **Proactive System Management**
- E. **Healthy and Sustainable Transportation Communities**

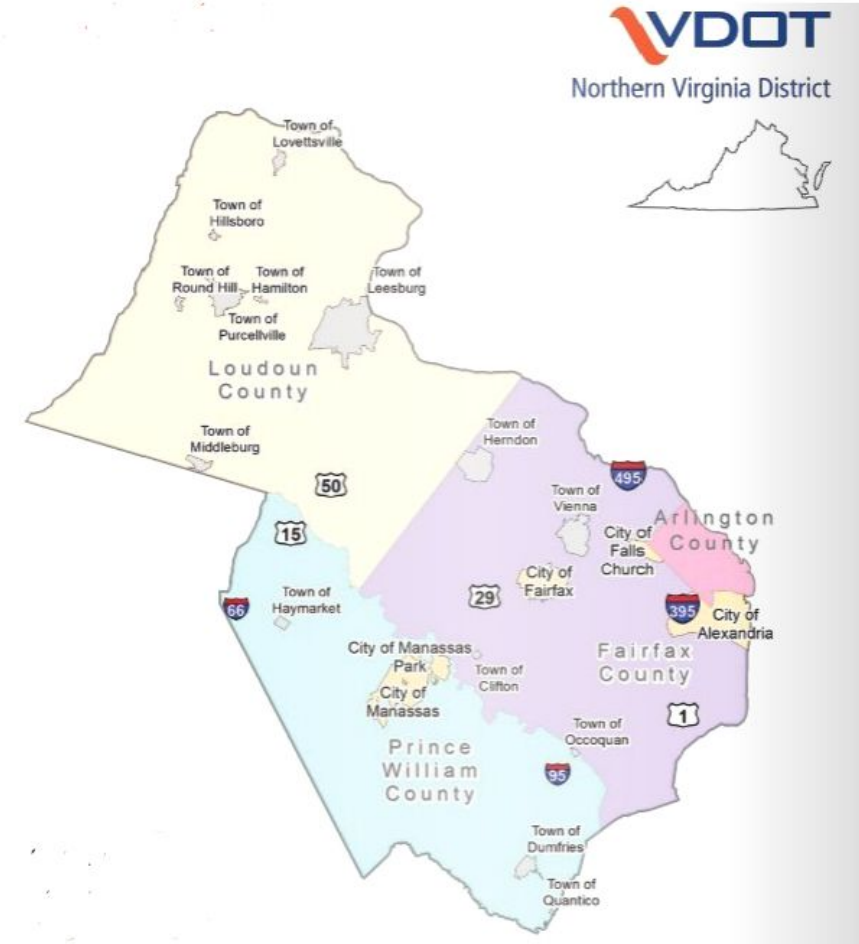
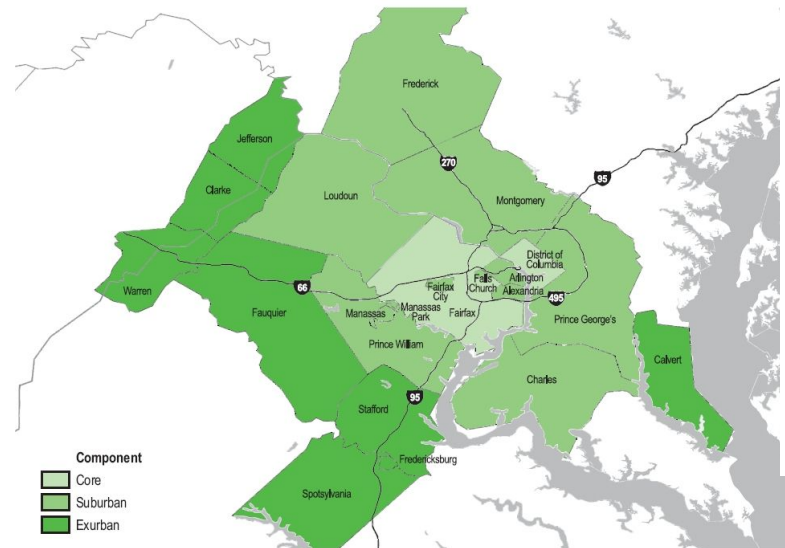


About VDOT NOVA District

Over 14,000 lane miles of road network (plus other facilities) with ~2.5 million citizens



Chart 1. Geographic designations for the 22 counties in the Washington metropolitan area

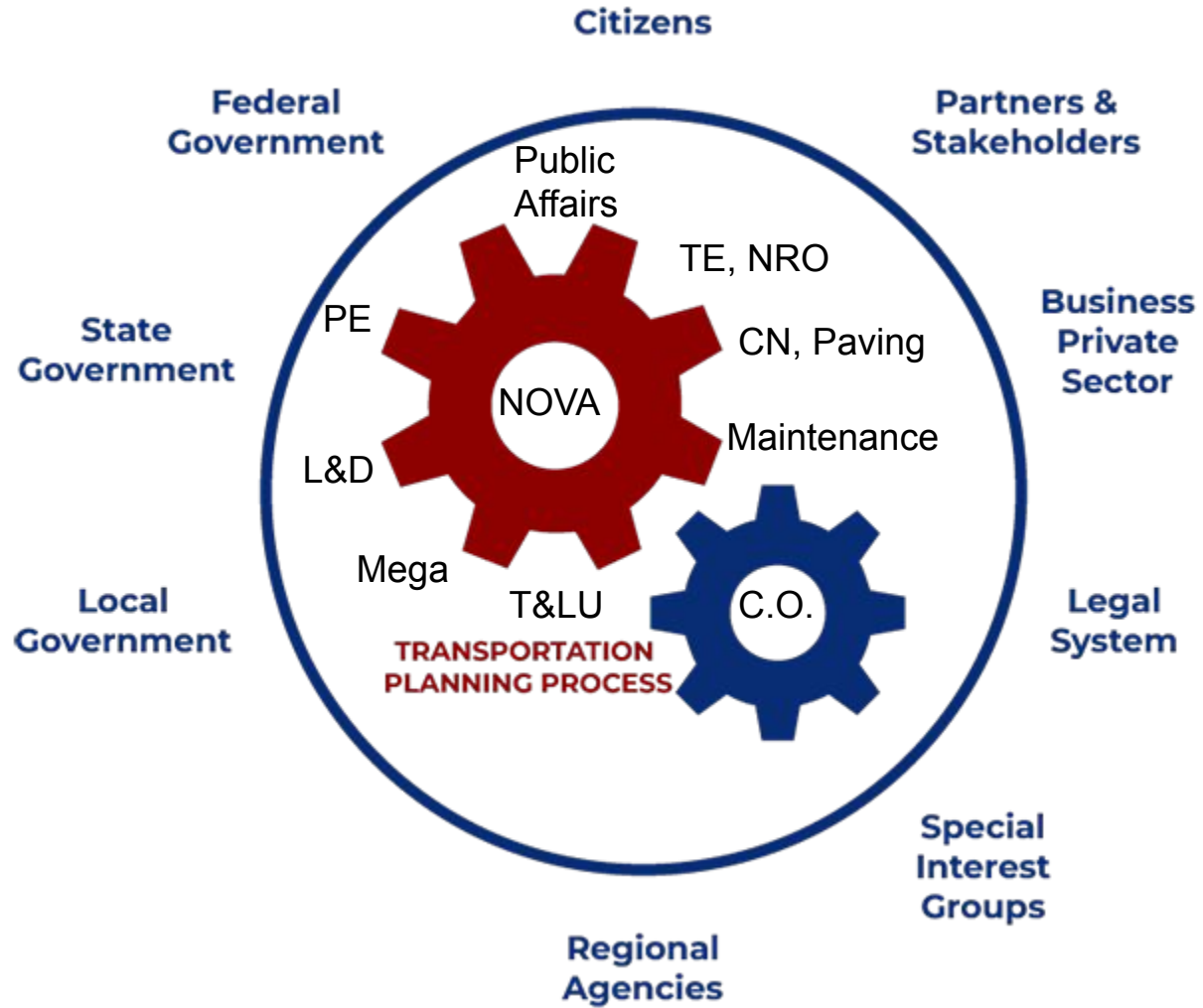


VDOT NOVA Bike/Ped Program Goals

- Resource for bike/ped/safety information, research, best practices
- Enhance multimodal connectivity and safety/comfort, especially in planning, scoping, design phases
- Promote relevant project, plan and program info.
- Coordinate with stakeholders (including advocates), localities, state agency staff (including DMV, VDOT C.O.)
- Other



Partnerships



Planning Partners

Local

- Staff, committees and advocates

Regional

- MWCOG TPB
- Northern Virginia Regional Commission (NVRC)
- Park Authorities (local, regional, national)
- Others, incl. NVRTA, transit agencies

Statewide

- VDOT Bike/Ped Advisory Committee
- DMV Pedestrian Safety Task Force
- Virginia Transportation Research Council

Planning and Policy Coordination

Local

- Corridor & Comp Plans, Vision Zero/Safe Streets Programs

Regional

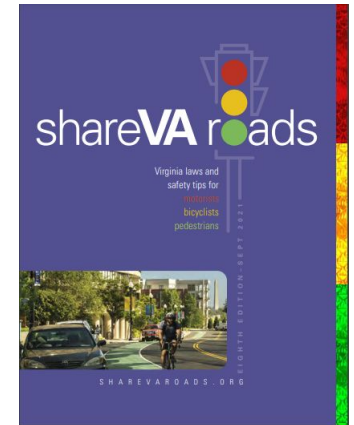
- COG TPB - Long-Range Regional Plan, Safety Resolution & Program, Street Smart, Subcommittee(s)
- NVRC shareVAroads, NVTAs plans, others

State

- SHSP and TZDVA, PSAP, VTRANS...
- Policy & Legislation

National

- Best practices from FHWA, NACTO, others



Virginia
adopts the **VISION** of
Toward Zero Deaths.

All
roadway
users
should arrive
safely at their destinations.

A graphic of blue silhouettes representing a family (two adults and two children) with suitcases, symbolizing safe travel.

Planning Products

Regional Network

- NOVA Bikeway & Trail Network Study - and Map →
- NOVA Bike/Ped Counts Program - and Map →

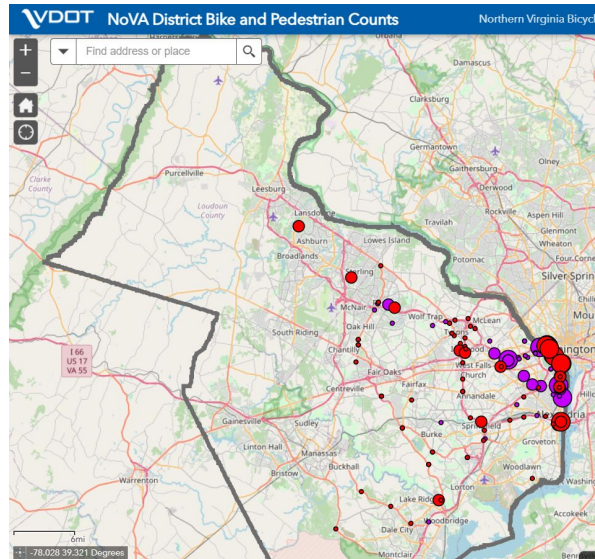
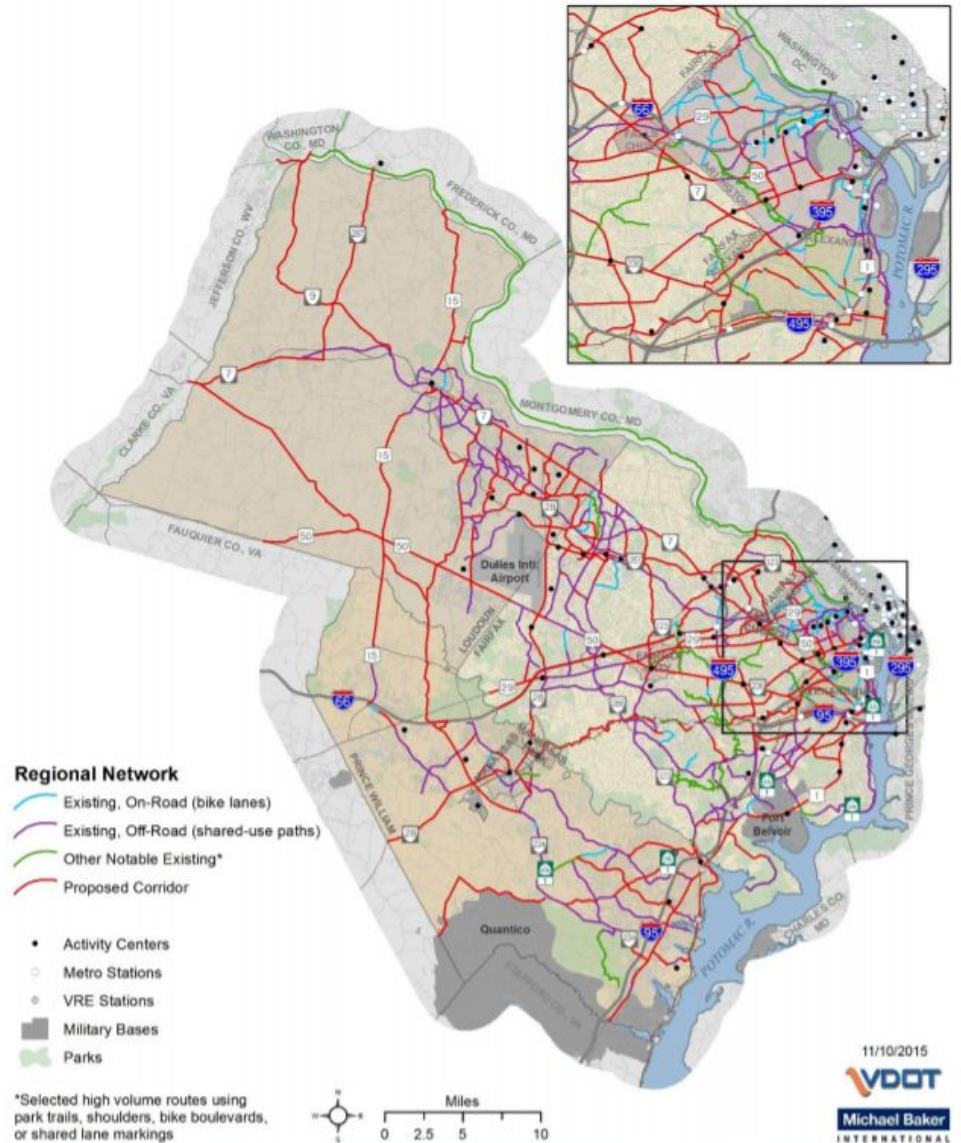
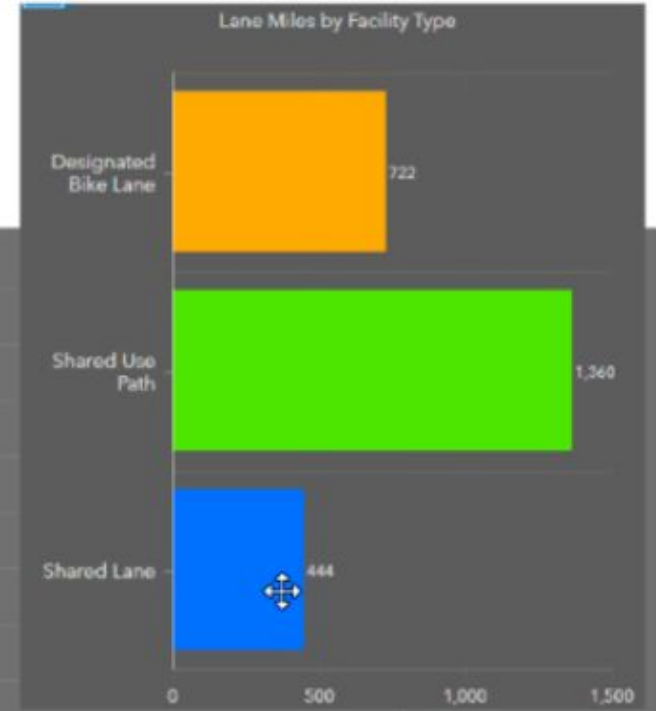
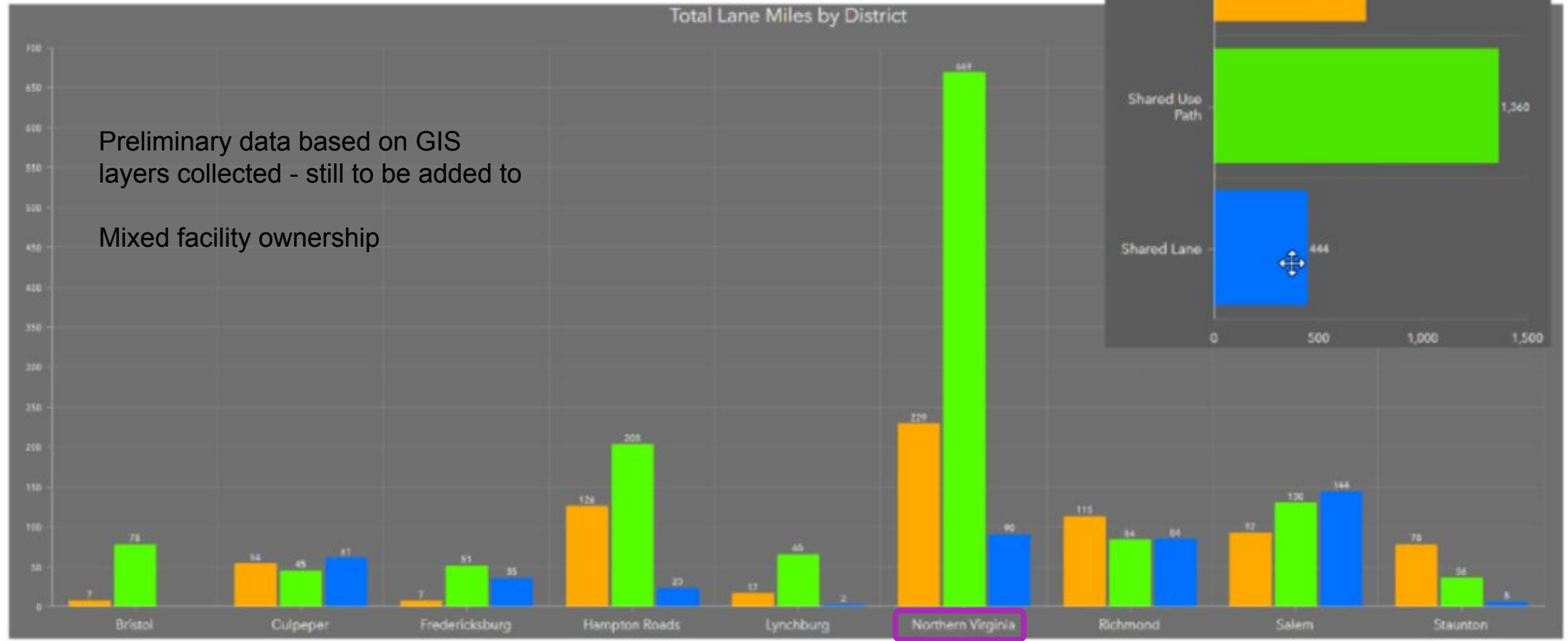


FIGURE 13: THE 2015 NORTHERN VIRGINIA REGIONAL BIKEWAY AND TRAIL NETWORK



Data Resources

Preliminary data based on GIS layers collected - still to be added to Mixed facility ownership

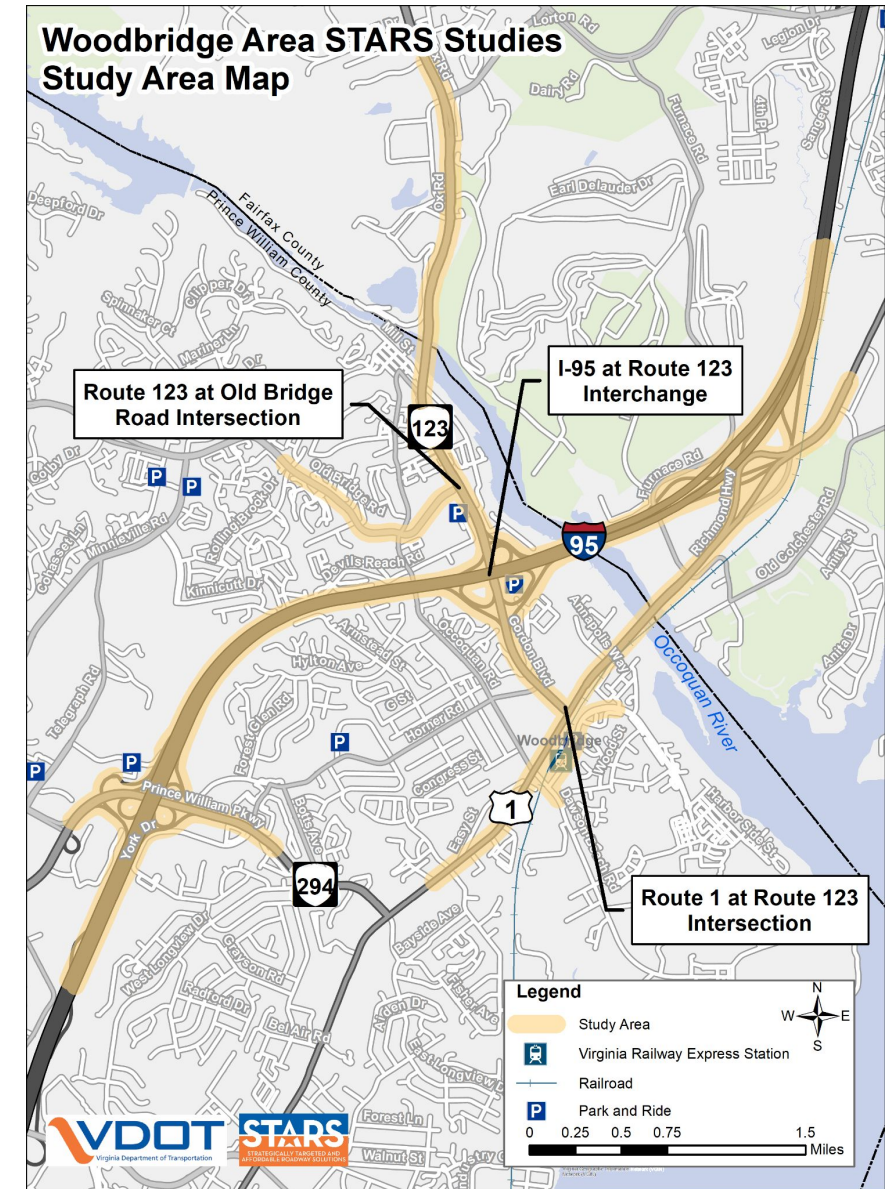


Studies

Example:

Woodbridge Area STARS →

- Multimodal Safety
- Bike/Ped Networks
- Park & Ride lots + Transit (bus, rail)
- Multiple corridors, jurisdictions



Studies

Project Pipeline (new)



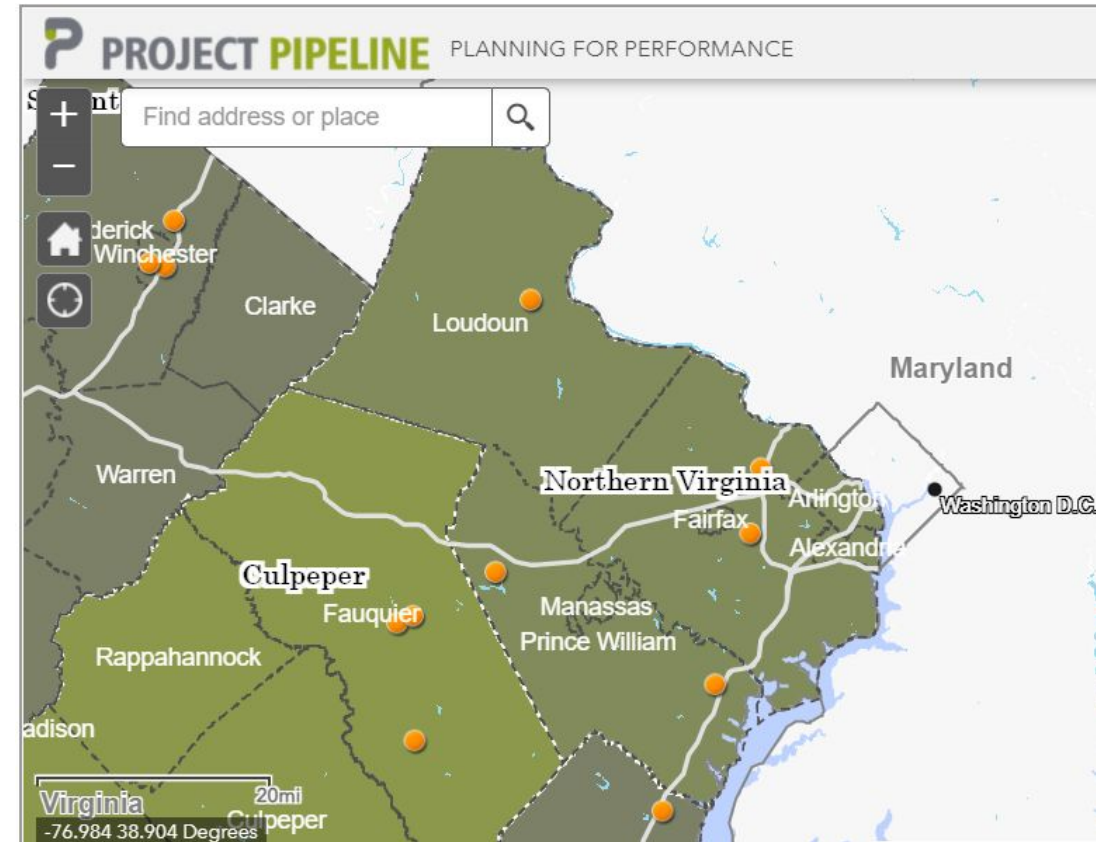
HOME STUDIES CONTACT

Home / Studies / Northern Virginia District

NV02: ROUTE 7



Rte 123 (Chain Bridge Rd) TO I-495 Capital Beltway



Scoping and Design

2004 CTB Accommodation Policy

- “VDOT will initiate all highway construction projects with the presumption that the projects shall accommodate bicycling and walking”

VDOT Road Design Manual (RDM) - Complete Streets Policy

- APPENDIX A(1) VDOT Complete Streets: Bicycle and Pedestrian Facility Guidelines, Bus Stop Design and Parking Guidelines
- Other guides/resources are referenced in RDM & consulted during design, like from FHWA, NACTO, ITE, other DOTs, Smart Growth America, FTA, and more

Engineering Coordination

Collaboration with Location & Design and Traffic Engineering teams, examples:

- Curb ramp modifications research/memo
- Pedestrian crossing treatments
- Safety & accessibility comments in design plan review
- MUTCD NPA review

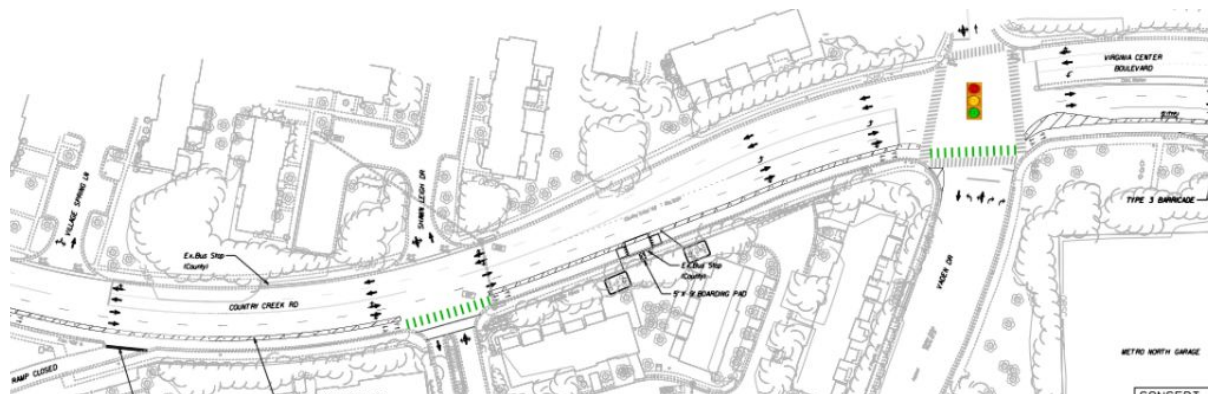
Systemic Safety Improvements:

- Safety countermeasures, including crosswalk installation/enhancements, pedestrian signal upgrades that make it faster and easier to cross a street, and flashing pedestrian beacons

Construction Projects

Examples:

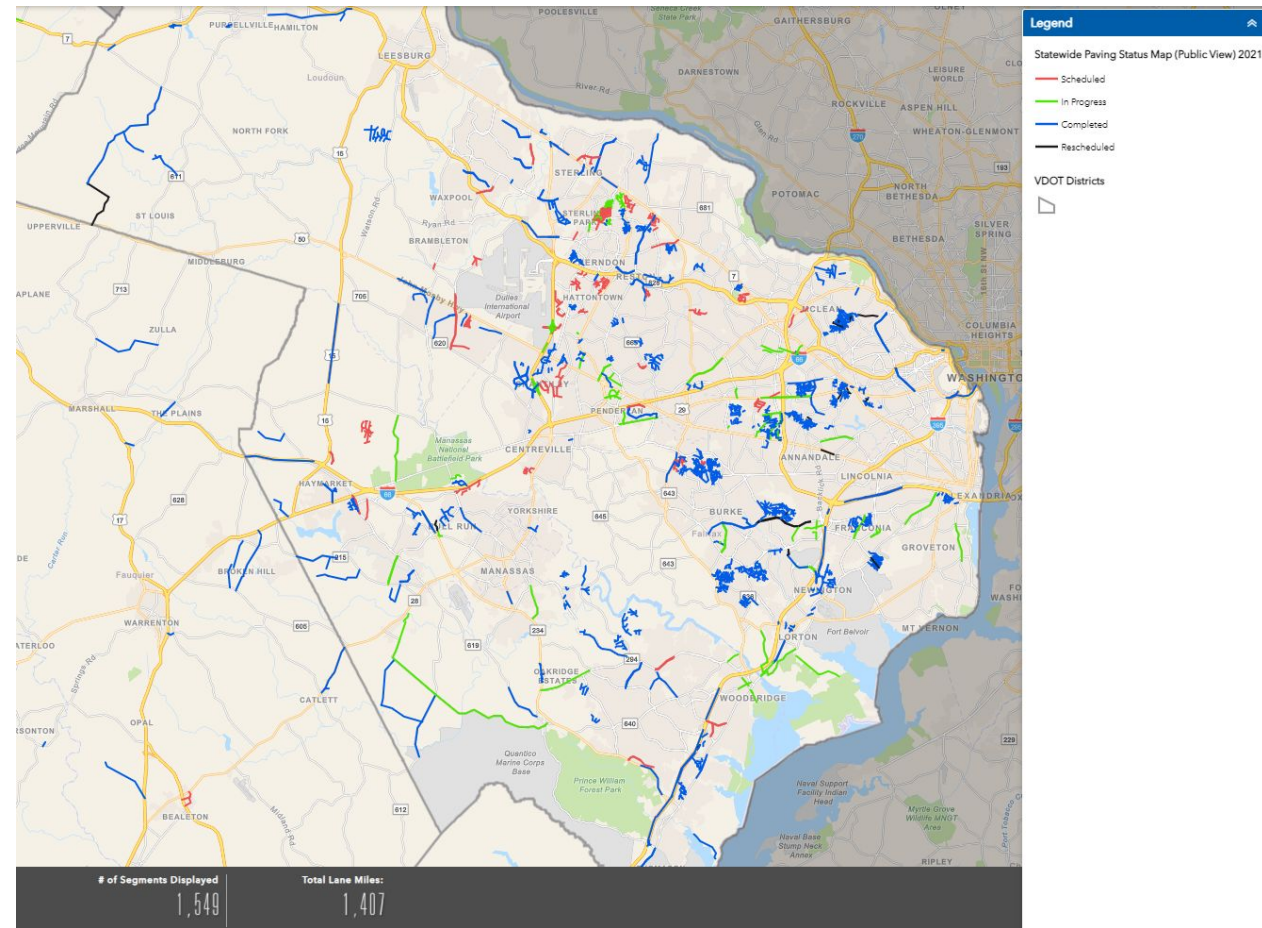
- Transform 66: 11 miles of 66 Parallel Trail
- Bike/Ped Bridges (e.g. over 29, I-495)
- Rte 7 Corridor Improvements: ~14 miles of new SUP
- Loudoun Metro Bike/Ped Improvements (9 segments)
- Vienna Metro Bike/Ped Improvements



Repaving and Bike Lanes

Annual repaving process

- Work with localities on implementing feasible road diets, bike lanes, shared lanes
- VDOT's NOVA paving program has built ~ 267 miles of bike lanes & shared lanes (2009-2021)
- Includes enhancing crosswalks



Pilots & Innovation

Examples:

- Tysons Blvd. bike/ped lane conversion
- Fairfax County's Street Simplified video analytics



Questions?



Contact: heidi.mitter@vdot.virginia.gov | 703-259-2753