BICYCLE AND PEDESTRIAN ACCOMMODATIONS AND LAND USE

Land use forum 2018

John Bolecek

May 10th 2018
Existing Conditions
Planned Conditions

Regional Bikeways
James City County, Williamsburg, and York County, Virginia

Adopted by City of Williamsburg City Council 6/10/93
Adopted by York County Board of Supervisors 6/17/93
Adopted by James City County Board of Supervisors 6/21/93

Revised by City of Williamsburg City Council 11/12/98, 10/12/06, 1/10/13
Revised by York County Board of Supervisors 10/6/99, 12/6/05, 9/3/13
Revised by James City County Board of Supervisors 11/10/98, 9/10/13

Legend:
- Mountain Bike Trail
- National Park Service Responsible Facility
- Parking Area
- Shared Roadway
- Parks
- Existing Multi-Use Path
- Proposed Multi-Use Path
- Existing Bike Lane
- Proposed Bike Lane
- Municipal Boundaries
Bicycling and walking are fundamental travel modes and integral components of an efficient transportation network. Appropriate bicycle and pedestrian accommodations provide the public, including the disabled community, with access to the transportation network; connectivity with other modes of transportation; and independent mobility regardless of age, physical constraints, or income. Effective bicycle and pedestrian accommodations enhance the quality of life and health, strengthen communities, increase safety for all highway users, reduce congestion, and can benefit the environment. Bicycling and walking are successfully accommodated when travel by these modes is efficient, safe, and comfortable for the public. A strategic approach will consistently incorporate the consideration and provision of bicycling and walking accommodations into the decision-making process for Virginia's transportation network.
Providing accommodations:

1. New construction projects
   - Stand alone
   - In conjunction with highway project

2. New development
   - Sidewalks
   - New connections

3. Resurfacing
   - Road diets
   - Shoulder paving / wedging
   - Other improvements
Projects: Virginia Capital Trail

52 miles
New Development: Subdivision Street Connectivity
Repaving: Road Diets
Repaving: Road Diets

Traffic Information
511 offers real-time traffic info. Anytime you need it, anywhere you are.

Virginia Roads
Your one stop source for VDOT maps, data and project info.

Popular Links
- High Occupancy Vehicle (HOV) Systems
- High Occupancy Vehicle (HOV) Lanes - Rules and FAQs
- Business Center
- Freemasons-Scotland Ferry
- Current Opportunities
- Safety Rest Areas and Welcome Centers
- On the Go in Virginia
- Hampton Roads Tunnels and Bridges

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PAVING BRINGS OPPORTUNITY FOR BICYCLE IMPROVEMENTS
New striping for bike lanes and other enhancements at 20+ locations

FAIRFAX—With the Virginia Department of Transportation's largest season of paving for northern Virginia underway, there comes good news for bicyclists. About 20 road segments will see enhancements such as bike lanes and sharrows during this year's regular surfacing and striping.

VDOT's traffic engineers partnered with county staff to identify segments, most in Fairfax County, that were scheduled for paving and that would be ideal for bicycle improvements such as:

- Slightly shifting or narrowing lanes to accommodate bike lanes.
- Placing "sharrows"—shared-lane markings that help increase awareness of bicyclist activity.
- Several "road diets," where in certain locations, a travel lane is replaced with elements such as left-turn lanes and bicycle lanes, which can help reduce speed and increase safety for all users.

VDOT has seen successes with road diets on Sono Drive, Lawyers Road and Oak Street; and with sharrows on Westmoreland Street, says Randy Ditterman, VDOT's traffic engineer for northern Virginia.

"These are minor changes with major benefit for bicyclists," said Ditterman. "We are making the last use possible of the pavement, and because we're seizing the opportunity to adjust the designs during regularly scheduled work, these changes come at very low cost."

County and VDOT staff met with the public and local supervisors in each affected area to discuss the changes and solicit input and feedback.

Location highlights:
- Road diets on Kingstowne Village Parkway, Hinson Farm Road, Westbranch Drive and Greensboro Drive
- Improvements in the Tysons Corner area on Greensboro Drive, Westpark Drive, Westbranch Drive, Jones Branch Drive, Park Run Drive and Tysons Boulevard
- Bike lanes on Backlick Road, Amherst Avenue, Parkers Lane, Quander Road, Annandale Road, Burke Road, Shiplett Boulevard, and Sudley Manor Road
Soapstone Dr
Crashes in the road diet section of lawyers Road

- **Average 16 total crashes per year**
- **Average 6 injury crashes per year**
- **67% reduction to 5 crashes per year**
Resources

Bike/Ped Library:
• http://www.virginiadot.org/programs/bicycling_and_walking/bicycle_and_pedestrian_library.asp

2004 Policy Documents:
• http://www.virginiadot.org/programs/bk-documents.asp

Maps Available:
• http://www.virginiadot.org/bikemap/default.asp

Bicycle Access and Prohibition on Limited Access Roadways:
• Non-Interstate - Facilities Not Designated Limited Access and Not Prohibited to Bicycles
• Non-Interstate - Facilities Designated Limited Access and Prohibited to Bicycles
• Non-Interstate - Facilities Designated Limited Access and Not Prohibited to Bicycles