Bicycle and Pedestrian Accommodations

Land Development Forum

June 2nd, 2016
John Bolecek
Statewide Bicycle and Pedestrian Planner
Overview

- Updates
- Bicycle and Pedestrian Accommodations
- Resources
- Local Examples in Northern Region
New U.S. Bicycle Route 176

Existing Routes shown in Blue
- Existing U.S. Bicycle Route 76 is 4 miles longer to Ashland
- Higher volume roadways
- Mostly primary roadways

U.S. Bicycle Route 1

New Route in Red
- 15.7 miles of the 17 mile route is open the Virginia Capital Trail (see photo)
- Passes by more services of interest to bicyclists i.e. bicycle shops, lodging etc.

U.S. Bicycle Route 76

Proposed U.S. Bicycle Route 176
# Improved Bicycle Access on Amtrak in Virginia

**Walk-Up Checked Bicycle Service now available on:**

<table>
<thead>
<tr>
<th>Line</th>
<th>Number of Spots</th>
<th>Bicycle Reservation Required</th>
<th>Checked Service Available</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carolinian</td>
<td>6 per train</td>
<td>Yes</td>
<td>Select Stations</td>
<td>No fee between Charlotte and Raleigh; $20 fee to and from all stations beyond Raleigh</td>
</tr>
<tr>
<td>Crescent</td>
<td>6 per train</td>
<td>Yes</td>
<td>Select Stations</td>
<td>$20</td>
</tr>
<tr>
<td>Palmetto</td>
<td>6 per train</td>
<td>Yes</td>
<td>Select Stations</td>
<td>$20</td>
</tr>
<tr>
<td>Silver Star/Silver Meteor</td>
<td>6 per train</td>
<td>Yes</td>
<td>Select Stations</td>
<td>$20</td>
</tr>
</tbody>
</table>
Bicycle and Pedestrian Accommodations

Communicating to VDOT the type of accommodation

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
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
Funding

FHWA funding eligibility chart:

- [http://www.fhwa.dot.gov/environment/bicycle_pedestrian/funding/funding_opportunities.cfm](http://www.fhwa.dot.gov/environment/bicycle_pedestrian/funding/funding_opportunities.cfm)

HB2

- Independent bicycle and pedestrian projects eligible
- Many highway projects included a bike/ped element
- Key dates:

  July 1 — Pre-application coordination period begins
  
  August 1 — Open period for applications begins
  
  September 30 — Last day to submit project applications

Resources

Bicycling and Walking in Virginia

Statewide Bicycle and Pedestrian Program

Safe Routes To School

The State Bicycle and Pedestrian Program promotes bicycling and walking throughout Virginia. Those web pages provide information about the program and bicycle and pedestrian projects conducted by the Virginia Department of Transportation (VDOT), as well as the Policy for Integrating Bicycle and Pedestrian Accommodations.

State Bicycle and Pedestrian Program

VDOT's State Bicycle and Pedestrian Program was established in the late 1970s and began to provide planning assistance to state and local transportation planners.

The Bicycle and Pedestrian Program plays a leadership role in advancing bicycle and pedestrian accommodations as routine practices. It seeks to maximize the utility and safety of non-motorized modes for both transportation and recreation.

The program is led by the state Bicycle and Pedestrian Planner who is part of VDOT’s Transportation and Mobility Planning Division. The state Bicycle and Pedestrian Planner oversees and coordinates intradepartmental efforts to improve bicycling and pedestrian safety and accessibility across the state.
Resources on Website

**Bike/Ped Library:**

**2004 Policy Documents:**

**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
FHWA Incorporating On-Road Bicycle Networks into Resurfacing Projects
FHWA Separated Bike Lane Planning and Design Guide
NCHRP Report 672 – Roundabouts: An Informational Guide

AASHTO Bicycle Design Guide
Only available from AASHTO Book Store
Multimodal System Design Guidelines

VDOT Road Design Manual
Contact info:

John Bolecek
Statewide Bicycle and Pedestrian Planner
Virginia Department of Transportation
804-371-4869
John.Bolecek@vdot.virginia.gov
Improving Bicyclist Accommodations with Repaving Projects

Randy Dittberner
Regional Traffic Engineer

June 2016
Miles of On-Road Bike Lanes in Fairfax County
Miles of On-Road Bike Lanes per Square Mile

Road Diet

Before

After
Road Diet Results

- Over 50 mph: 13% of traffic before, 1% after
- 69% of users said travel times haven’t increased
- 47% of users cycle more
- 69% of users said they feel safer
Crashes in the Road Diet Section of Lawyers Rd.

Average 16 total crashes per year

Average 6 injury crashes per year
TO REQUEST
GREEN
WAIT
ON
2% Shoulder Paving
Draft Fairfax County Bicycle Master Plan

- Developed 2011 – 2012
- Identifies preferred cyclist accommodations on roadways countywide
- Provides policy-level guidance
- Status: Awaiting Planning Commission, Board endorsement
Incorporating On-Road Bicycle Networks into Resurfacing Projects