



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

U.S. Bicycle Route 76

- 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.

Proposed U.S. Bicycle Route 176



Improved Bicycle Access on Amtrak in Virginia

Walk-Up Checked Bicycle Service now available on:

Line	Number of Spots	Bicycle Reservation Required	Checked Service Available	Fee
Carolinian	6 per train	Yes	Select Stations	No fee between Charlotte and Raleigh; \$20 fee to and from all stations beyond Raleigh
Crescent	6 per train	Yes	Select Stations	\$20
Palmetto	6 per train	Yes	Select Stations	\$20
Silver Star/ Silver Meteor	6 per train	Yes	Select Stations	\$20

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

-  Mountain Bike Trail
-  National Park Service Responsible Facility
-  Parking Area
-  Shared Roadway
-  Parks
-  Existing Multi-Use Path
-  Schools
-  Proposed Multi-Use Path
-  Existing Bike Lane
-  Proposed Bike Lane
-  Municipal Boundaries

VIRGINIA CAPITAL TRAIL

VirginiaCapitalTrail.org



RICHMOND

- Great Shiplock Park
- Riverfront Lot
- Mile Marker 50
- BP
- 7-Eleven
- Valero
- Rite Aid
- Dorey Park Connector to be complete Spring 2016
- Varina Library
- Fas Mart
- Food Lion
- Exxon Station/Dairy Queen
- Four Mile Creek Trailhead
- Mile Marker 40



Mile Marker 30

Mile Marker 20

Herring Creek Trailhead

Lawrence Lewis Jr. Park

Charles City Courthouse

Haupt's Country Store

Sandy Point Superette

Mile Marker 10

Chickahominy Riverfront Park

WILLIAMSBURG

- Jamestown High School
- Mainland Farm
- Jamestown Settlement
- James City County Marina
- Mile Marker 0

- Parking
- Restrooms
- Picnic Areas
- Convenience Stores

TRAIL RULES:

Motorized vehicles not permitted.	Give audible warning when passing.
Be courteous to other trail users at all times.	Maintain single file.
Keep right, always pass on the left.	Leash and clean up after pets.

Funding

FHWA funding eligibility chart:

- 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

- More information at: <http://www.virginiahb2.org/>

Resources

Home > Programs > Bicycling and Walking in Virginia

▶ [Travel Center](#) ▶ [Newsroom](#) ▶ [Info Center](#) ▶ [Business Center](#) ▶ [Programs](#) ▶ [Projects & Studies](#)



First time to our site? [Click here.](#)

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

- [Business Center](#)
- [Warren County – Route 624 \(Morgan Ford Road\) bridge replacement](#)
- [High Occupancy Vehicle \(HOV\) Systems](#)
- [Current Opportunities](#)
- [High Occupancy Vehicle \(HOV\) Lanes - Rules and FAQs](#)
- [Consider a Career at VDOT](#)
- [Manuals Guides and Informational Instructions](#)

▶ Bicycling and Walking in Virginia



Statewide Bicycle and Pedestrian Program

[Home](#) • [Maps](#) • [Laws & Safety](#) • [U.S. Bike Routes](#)
[Places to Bike](#) • [Projects and Studies](#) • [Resources](#)
[Advisory Committee](#) • [Contacts](#) • [2004 Policy](#)

[Safe Routes To School >](#)

The State Bicycle and Pedestrian Program promotes bicycling and walking throughout Virginia. These 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



Resources on Website

Bike/Ped Library:

- http://www.virginiadot.org/programs/bicycling_and_walking/bicycle_and_pedestrian_library.asp

2004 Policy Documents:

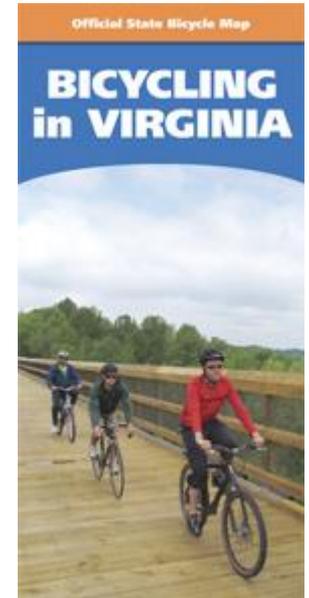
- <http://www.virginiadot.org/programs/bk-documents.asp>

Maps Available:

- <http://www.virginiadot.org/bikemap/default.asp>

Bicycle Access and Prohibition on Limited Access Roadways:

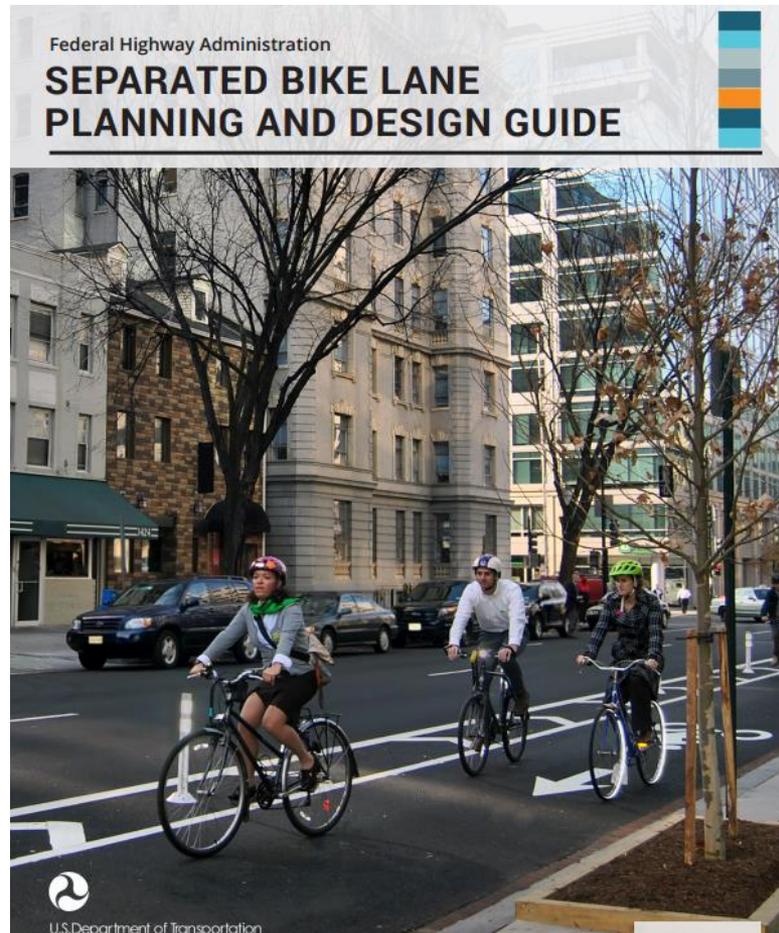
- [Non-Interstate - Facilities Not Designated Limited Access and Not Prohibited to Bicycles](#)
- [Non-Interstate - Facilities Designated Limited Access and Prohibited to Bicycles](#)
- [Non-Interstate - Facilities Designated Limited Access and Not Prohibited to Bicycles](#)



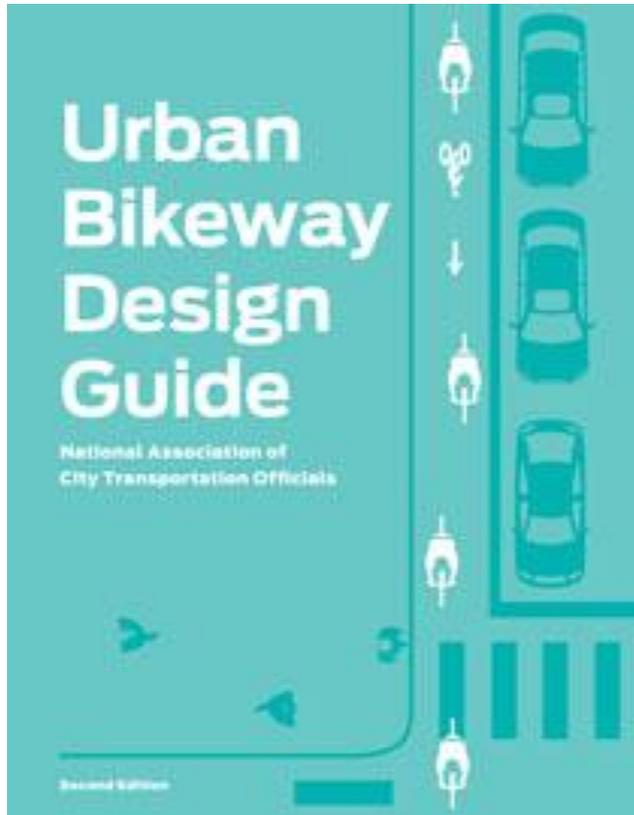
FHWA Incorporating On-Road Bicycle Networks into Resurfacing Projects



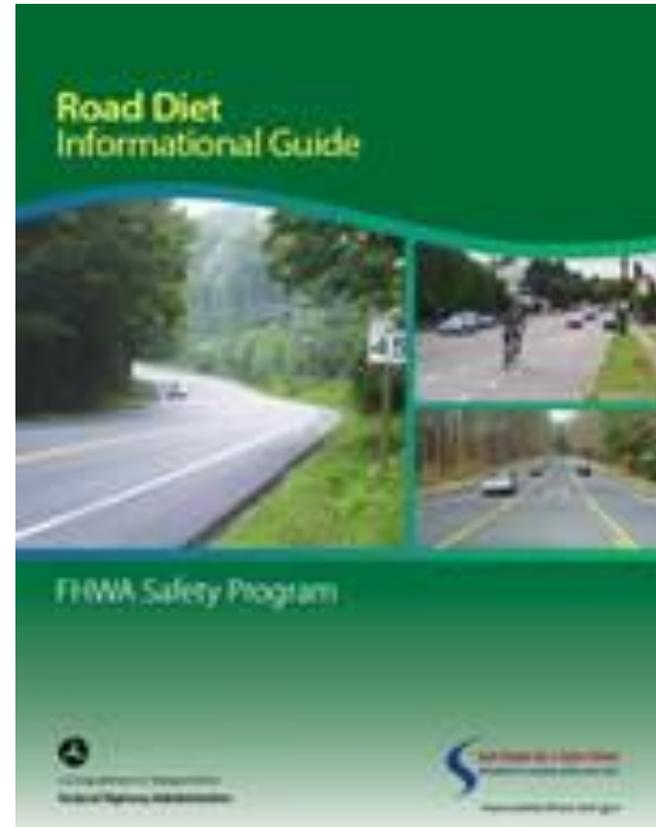
FHWA Separated Bike Lane Planning and Design Guide



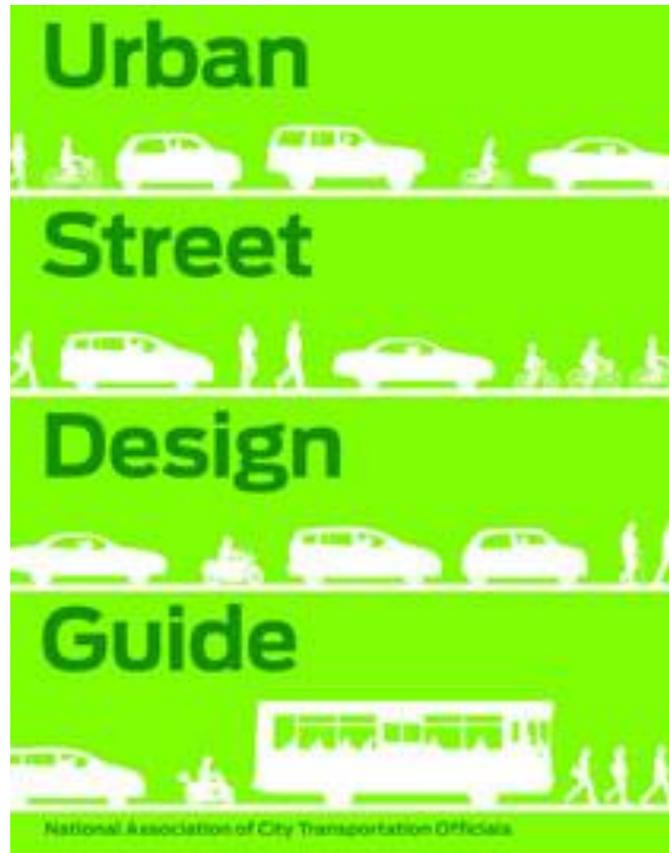
NACTO Urban Bikeway Design Guide



FHWA Road Diet Informational Guide

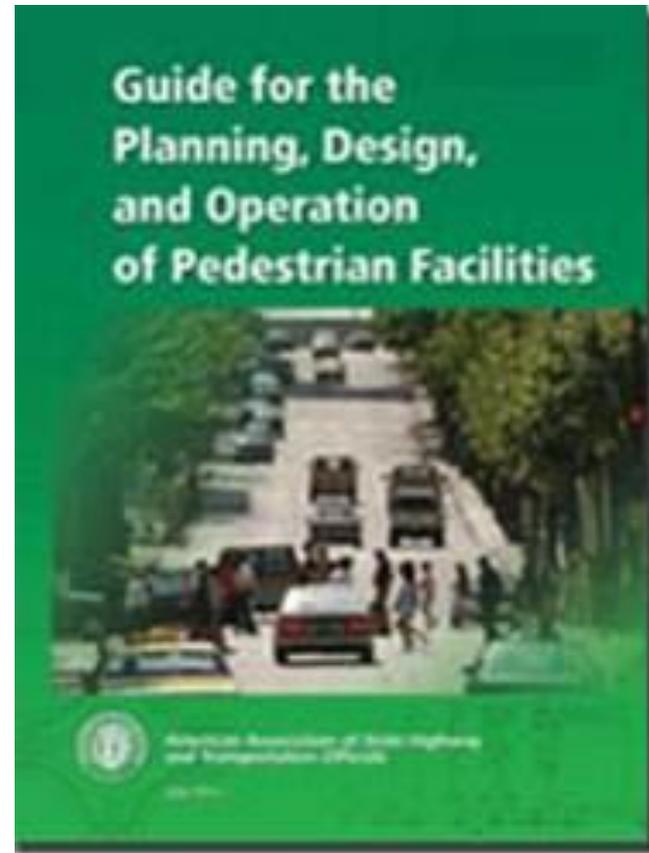


NACTO Urban Street Design Guide



AASHTO Pedestrian Guide

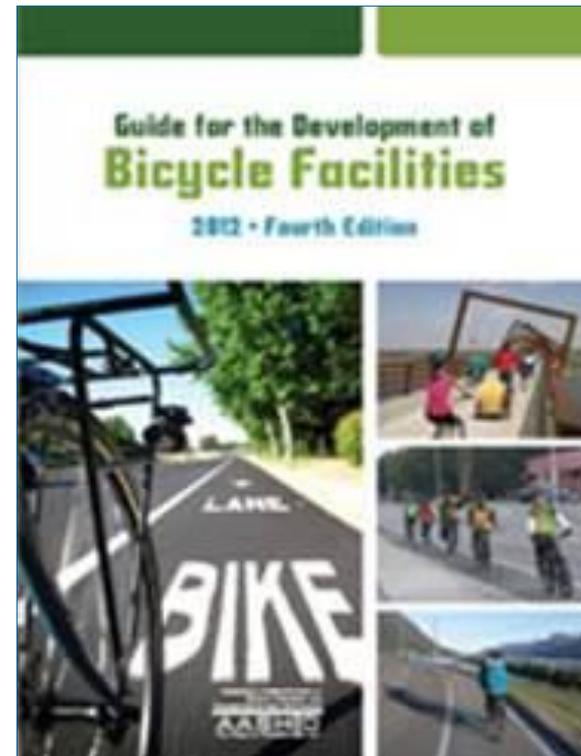
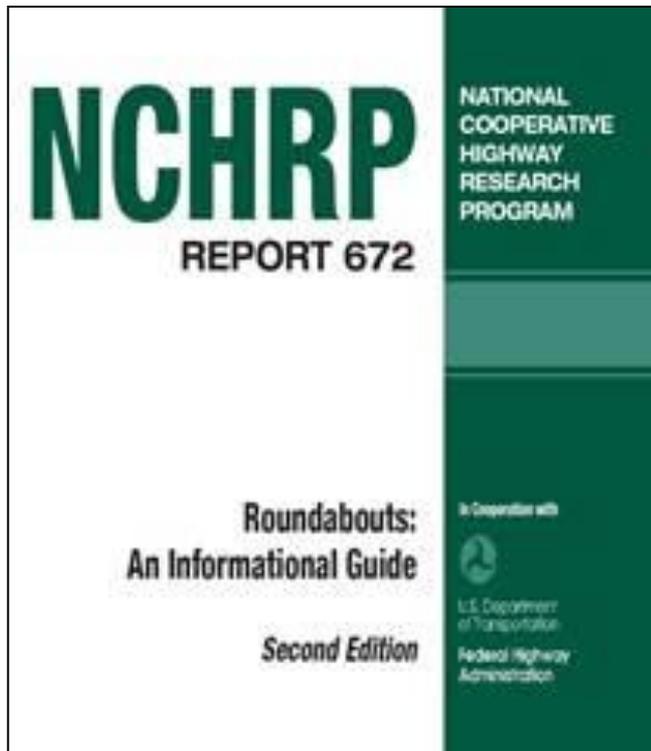
Only available from AASHTO Book Store



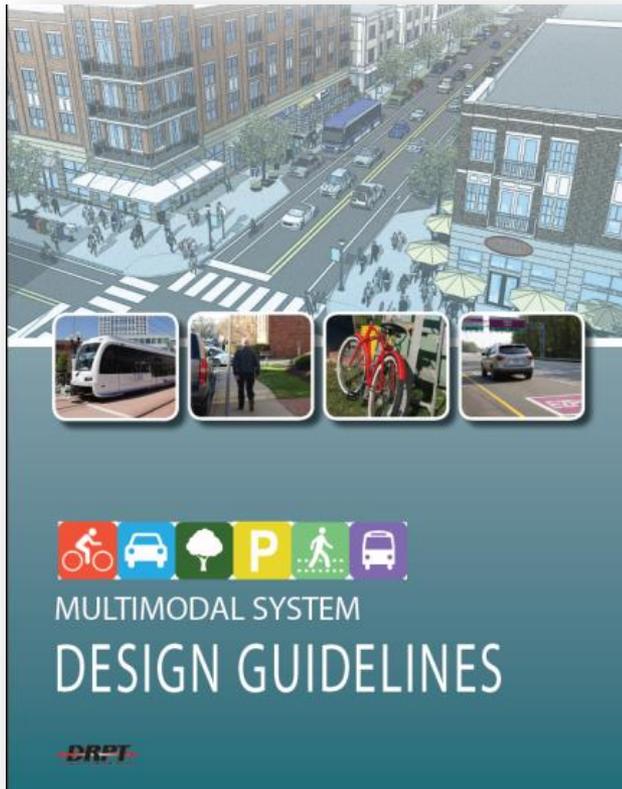
NCHRP Report 672 – Roundabouts: An Informational Guide

AASHTO Bicycle Design Guide

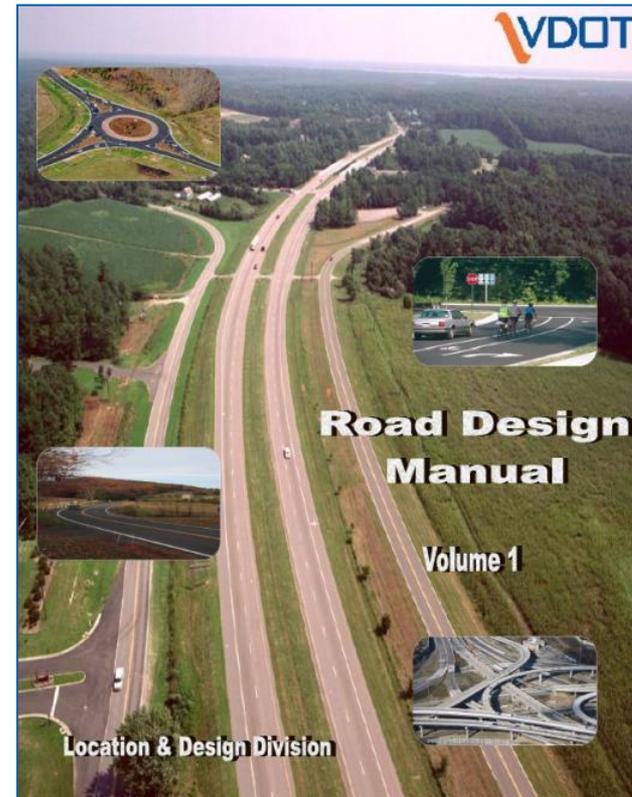
Only available from AASHTO
Book Store



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

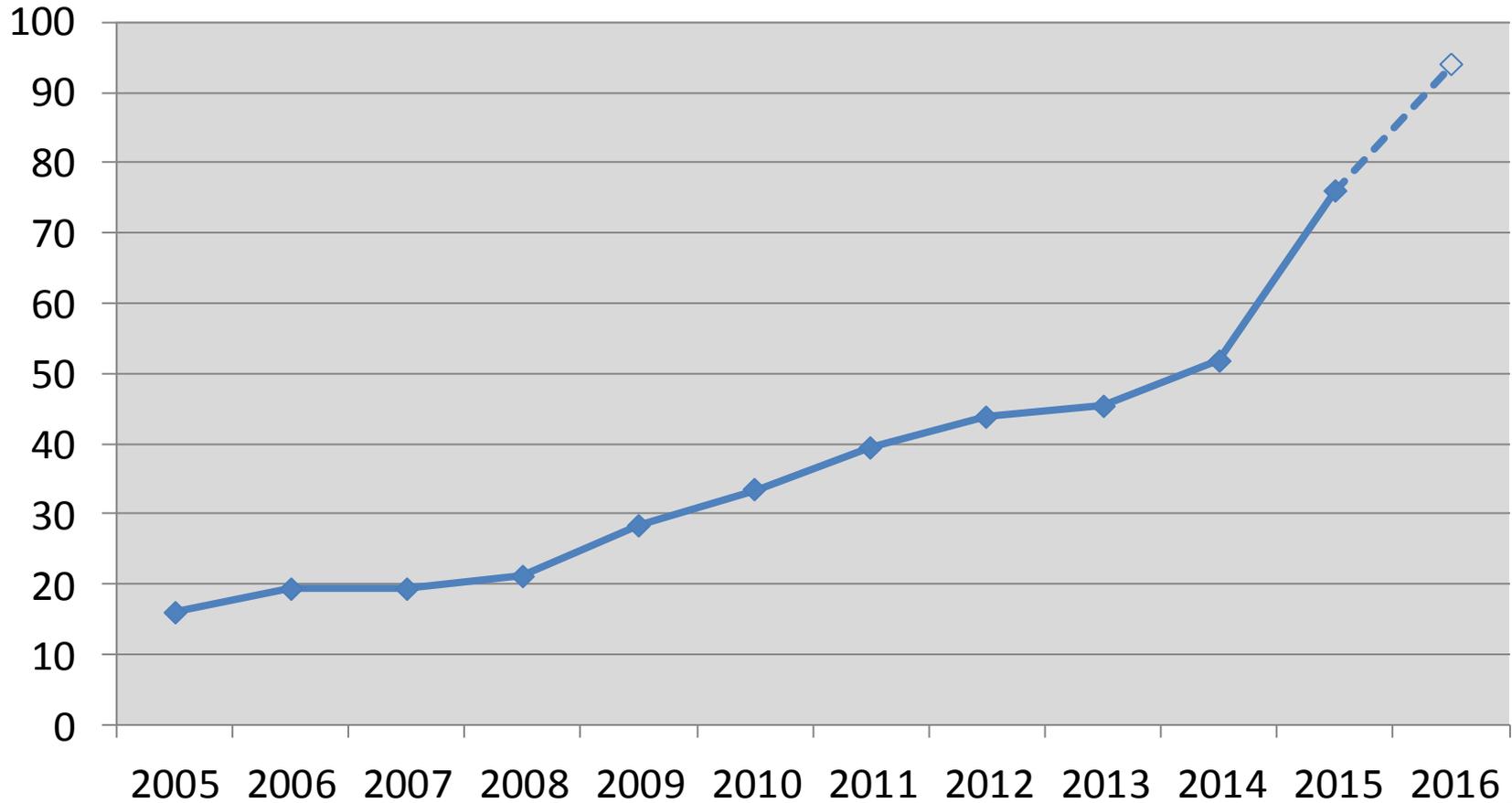


Improving Bicyclist Accommodations with Repaving Projects

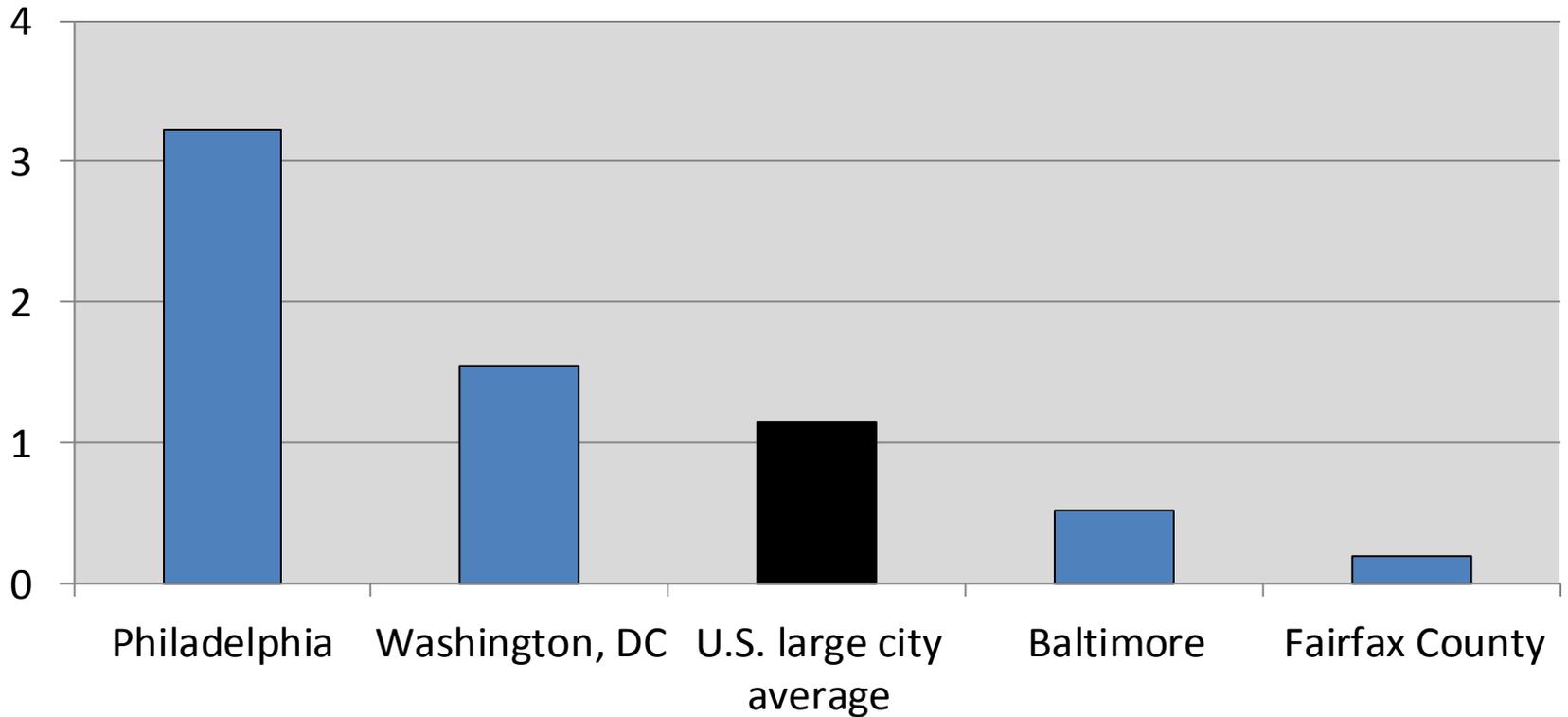
Randy Dittberner
Regional Traffic Engineer

June 2016

Miles of On-Road Bike Lanes in Fairfax County

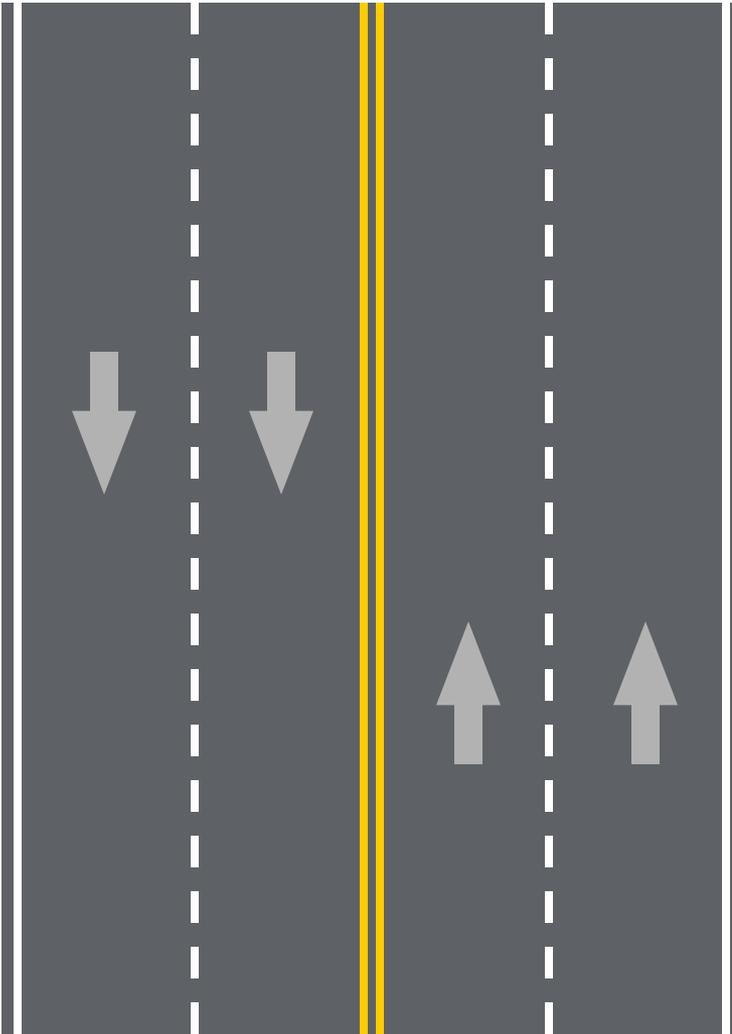


Miles of On-Road Bike Lanes per Square Mile

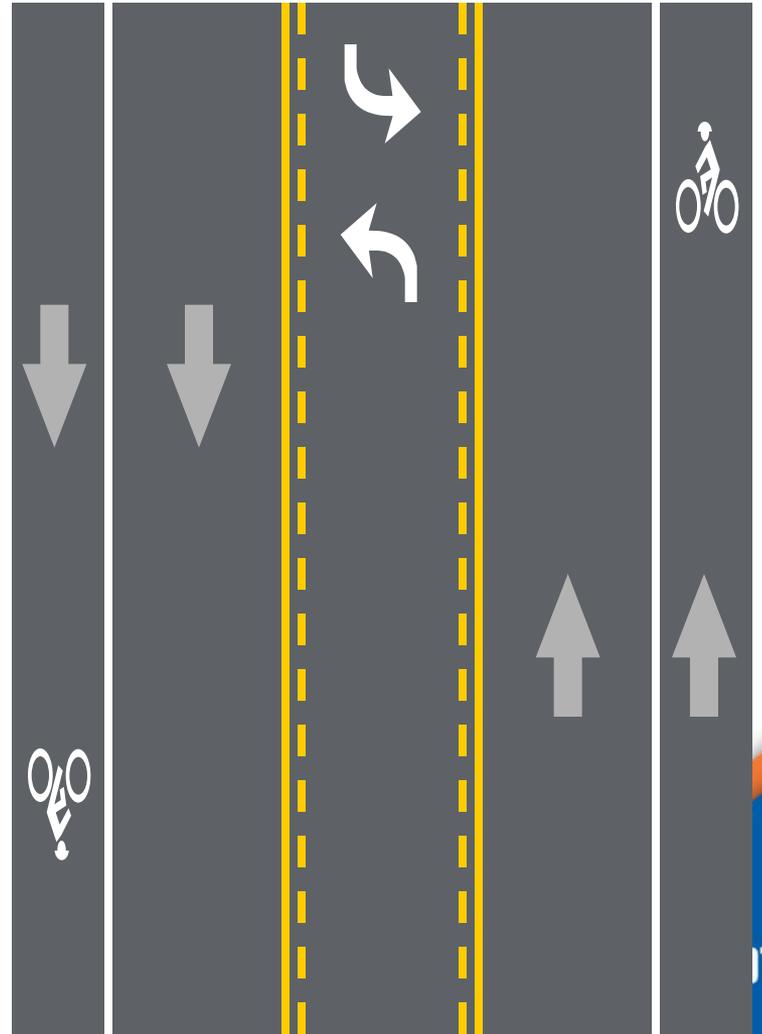


Road Diet

Before



After

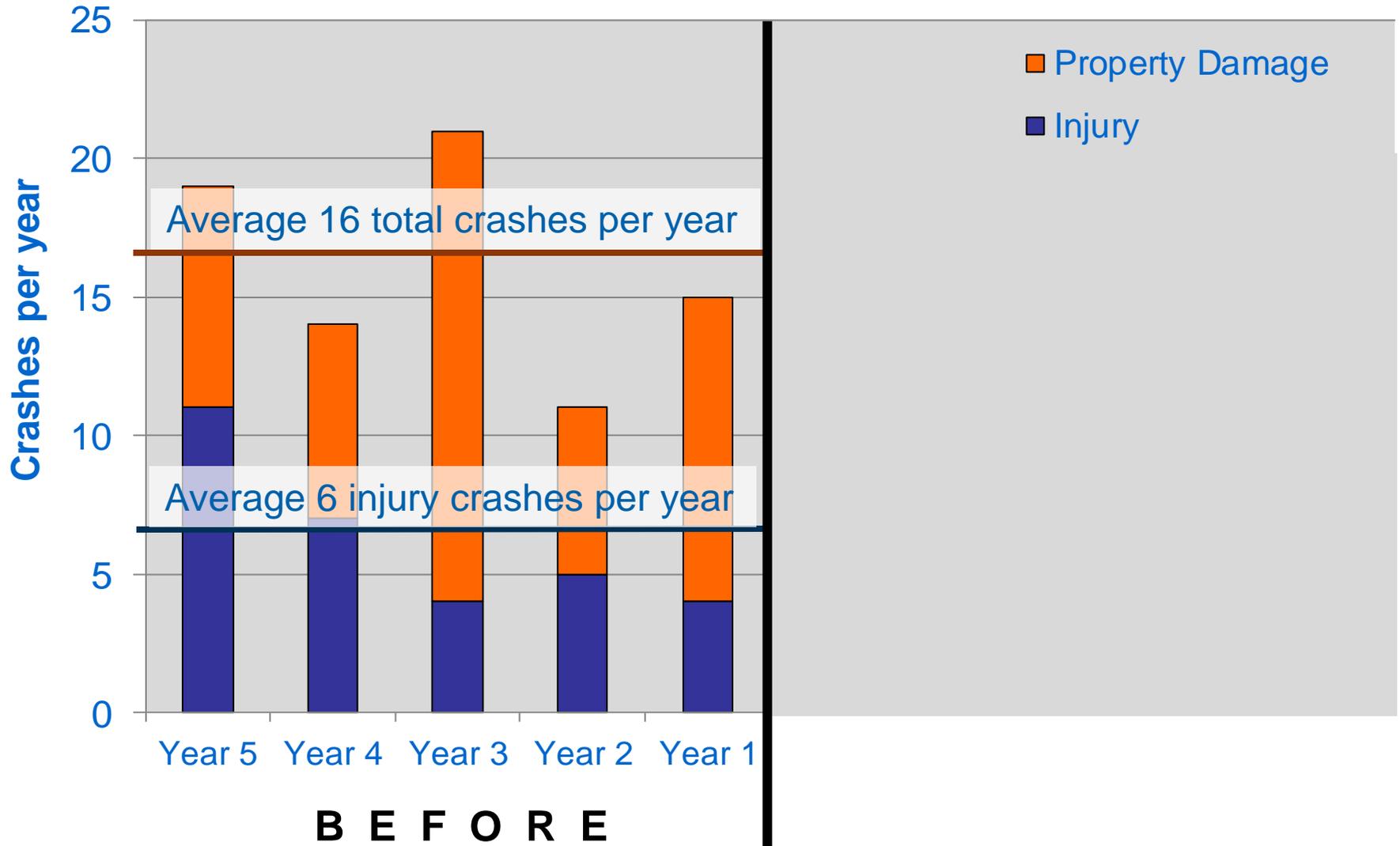




Road Diet Results

- **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.



Road Diet Informational Guide



ROAD DIETS



FHWA Safety Program

FHWA Safety Program



U.S. Department of Transportation
Federal Highway Administration



www.safety.fhwa.dot.gov



U.S. Department of Transportation
Federal Highway Administration



<http://safety.fhwa.dot.gov>







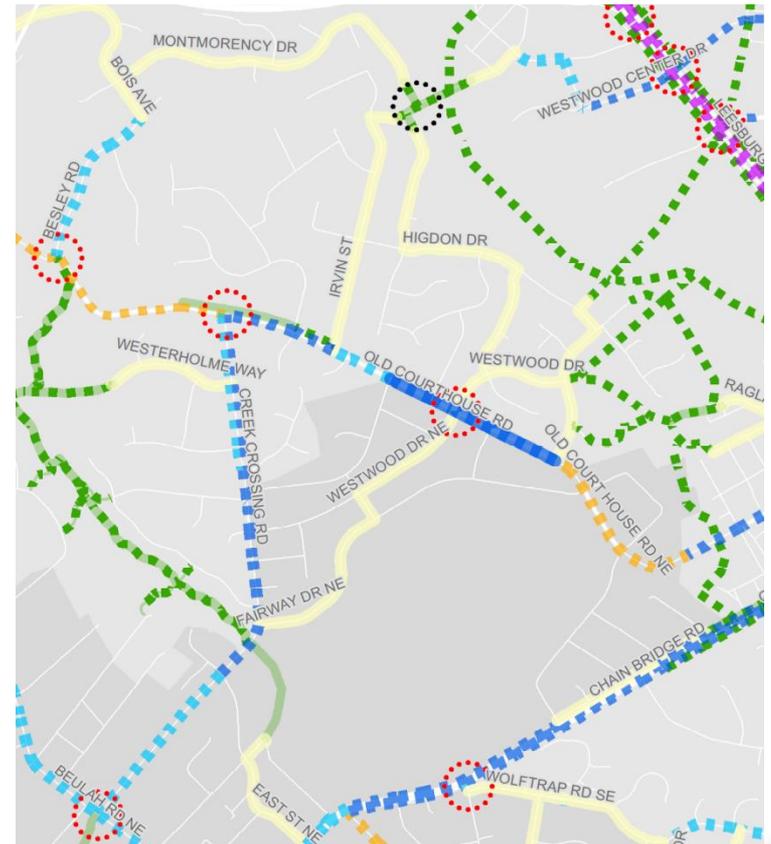


2% Shoulder Paving



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



U.S. Department of Transportation
Federal Highway Administration

MARCH 2016

VDOT

