



# BICYCLE AND PEDESTRIAN ACCOMMODATIONS AND LAND USE

Land use forum 2018

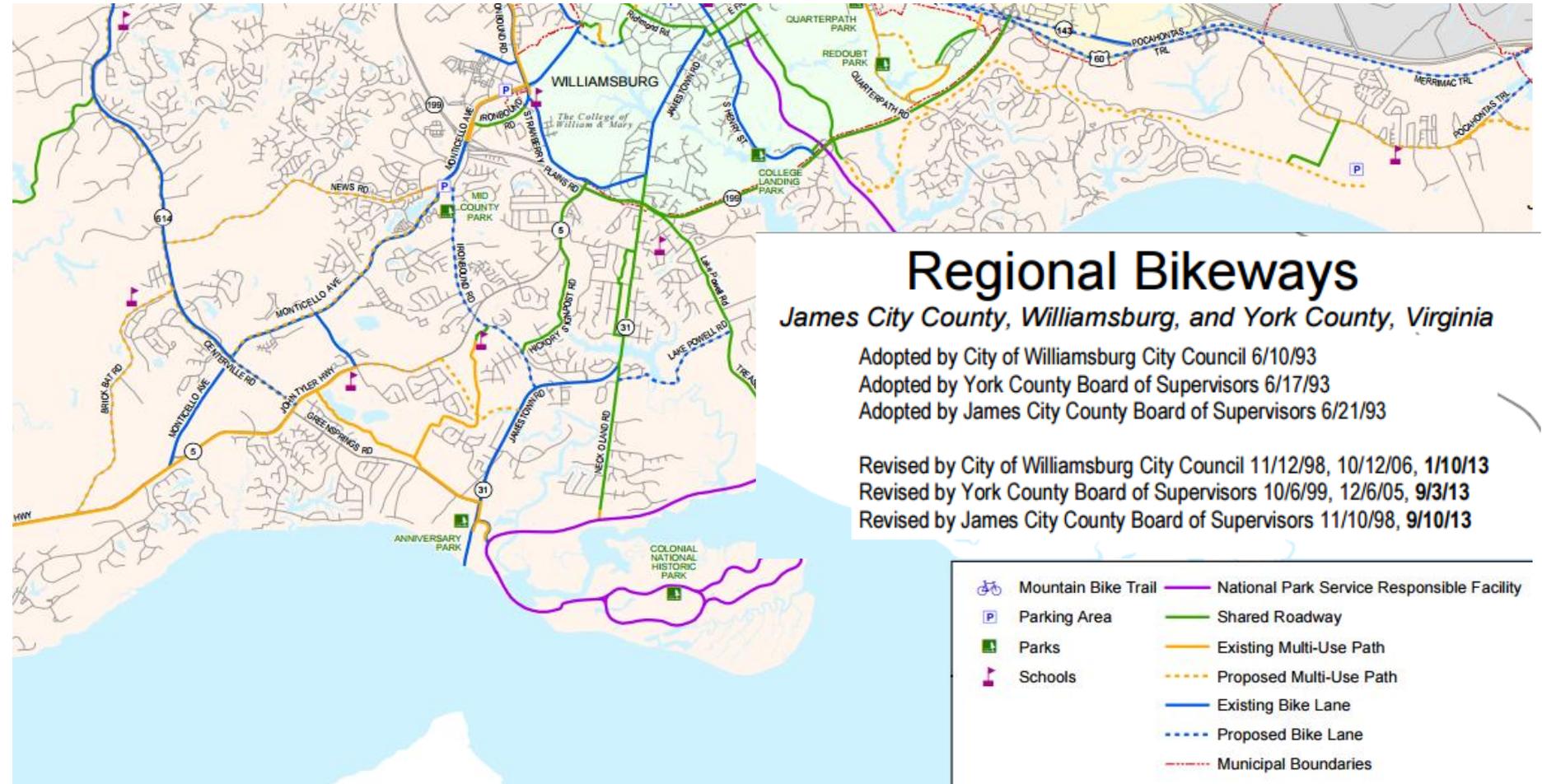
 John Bolecek

May 10<sup>th</sup> 2018

# Existing Conditions



# Planned Conditions



# Policy

Virginia Department of Transportation  
Policy for Integrating Bicycle and Pedestrian Accommodations

## 1. Introduction

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

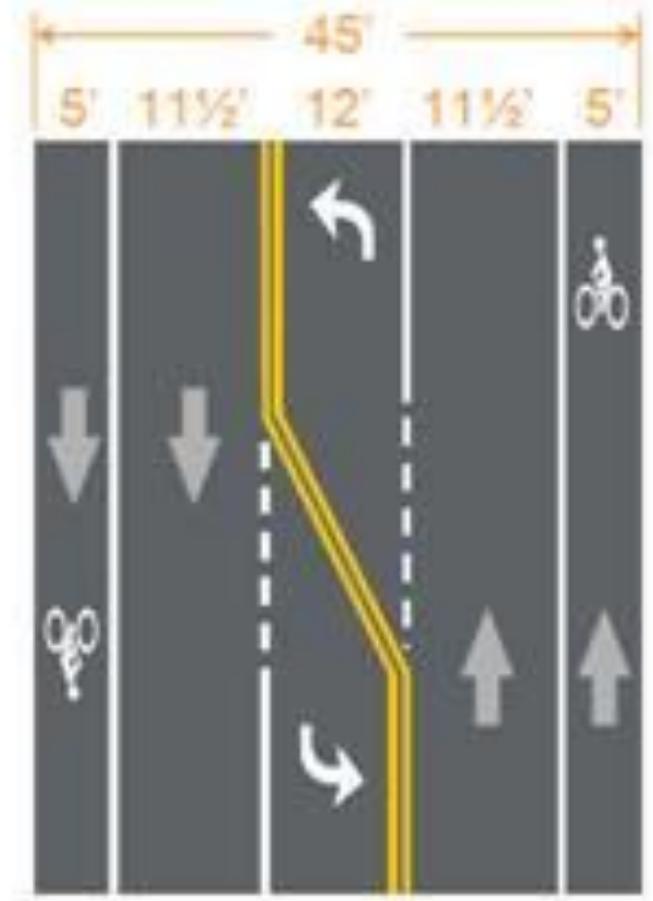
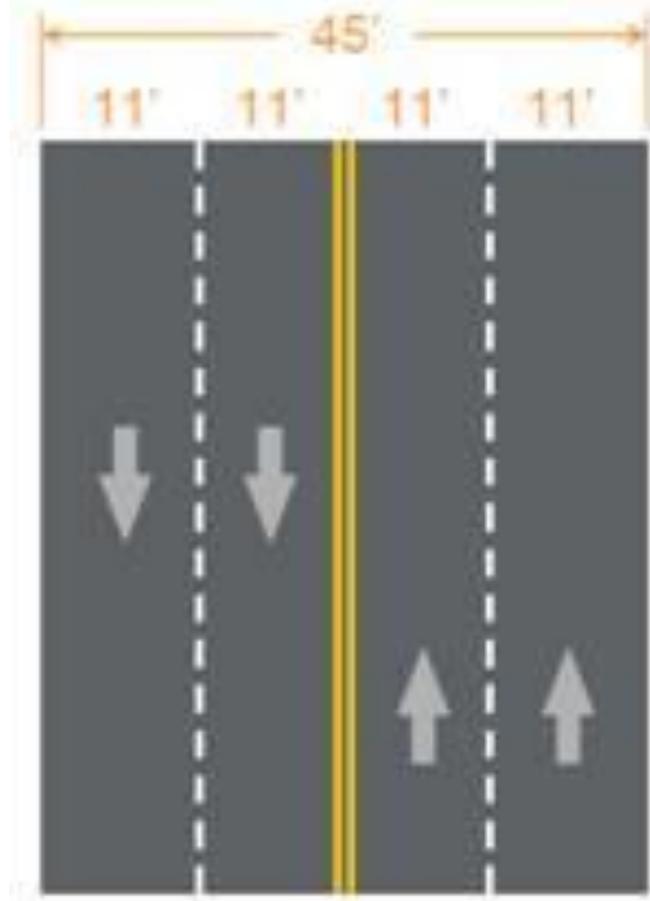


**52  
miles**

# 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
- Jamestown-Scotland Ferry
- Current Opportunities
- Safety Rest Areas and Welcome Centers
- On the Go in Virginia
- Hampton Roads Tunnels and Bridges

## Connect With Us!

Visit Our Social Media Pages »

RT @VaDOTLynchburg: Did you know that Nov 29-Dec 5 is Winter Weather Preparedness Week in Virginia? Learn more from our partners, VDEM: htt...



2 hours ago

RT @VaDOTRVA: #Rainy day driving tips: Turn on headlights w/ wipers, slow down, give extra space, wear seatbelt & limit distractions in car...



2 hours ago

RELEASE: IMMEDIATE

NR15-63

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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 staffs 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 cyclist 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 speeding and increase safety for all users.

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

"These are minor changes with major benefit for bicyclists," said Dittberner, "We are making the best 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:

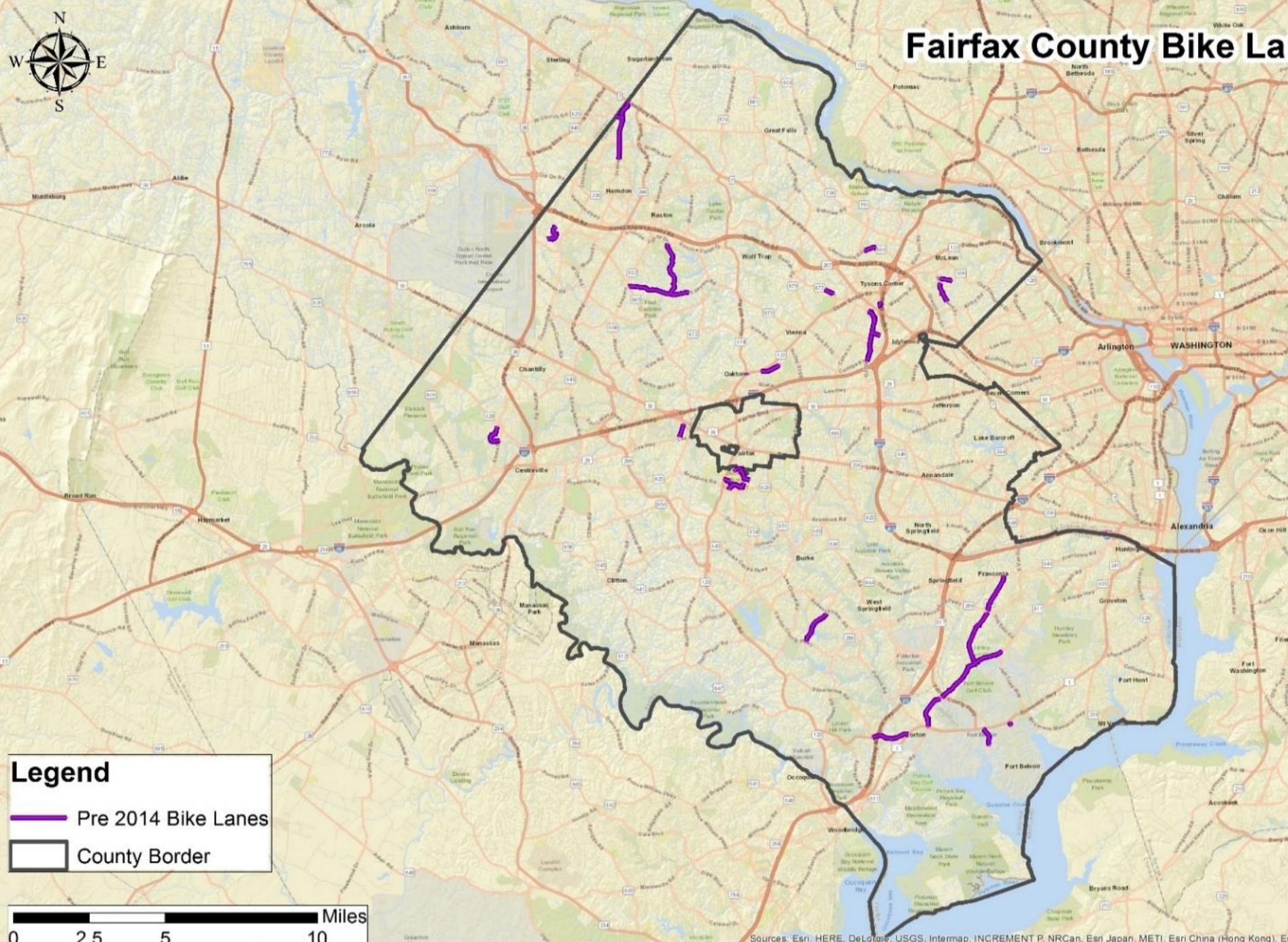
- Road diets on Kingstowne Village Parkway, Hinson Farm Road, Westbranch Drive and Greensboro Drive
- Improvements in the Tysons Corner area on Greensboro Drive, Westpark Drive, Westbranch Drive, Jones Branch Drive, Park Run Drive and Tysons Boulevard
- Bike lanes on Backlick Road, Amherst Avenue, Parkers Lane, Quander Road, Annandale Road, Burke Road, Shiplett Boulevard, and Sudley Manor Road



# Soapstone Dr

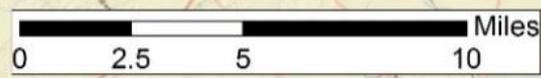


# Fairfax County Bike Lanes



**Legend**

- Pre 2014 Bike Lanes
- County Border



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri OpenStreetMap contributors, and the GIS User Community

# Fairfax County Bike Lanes

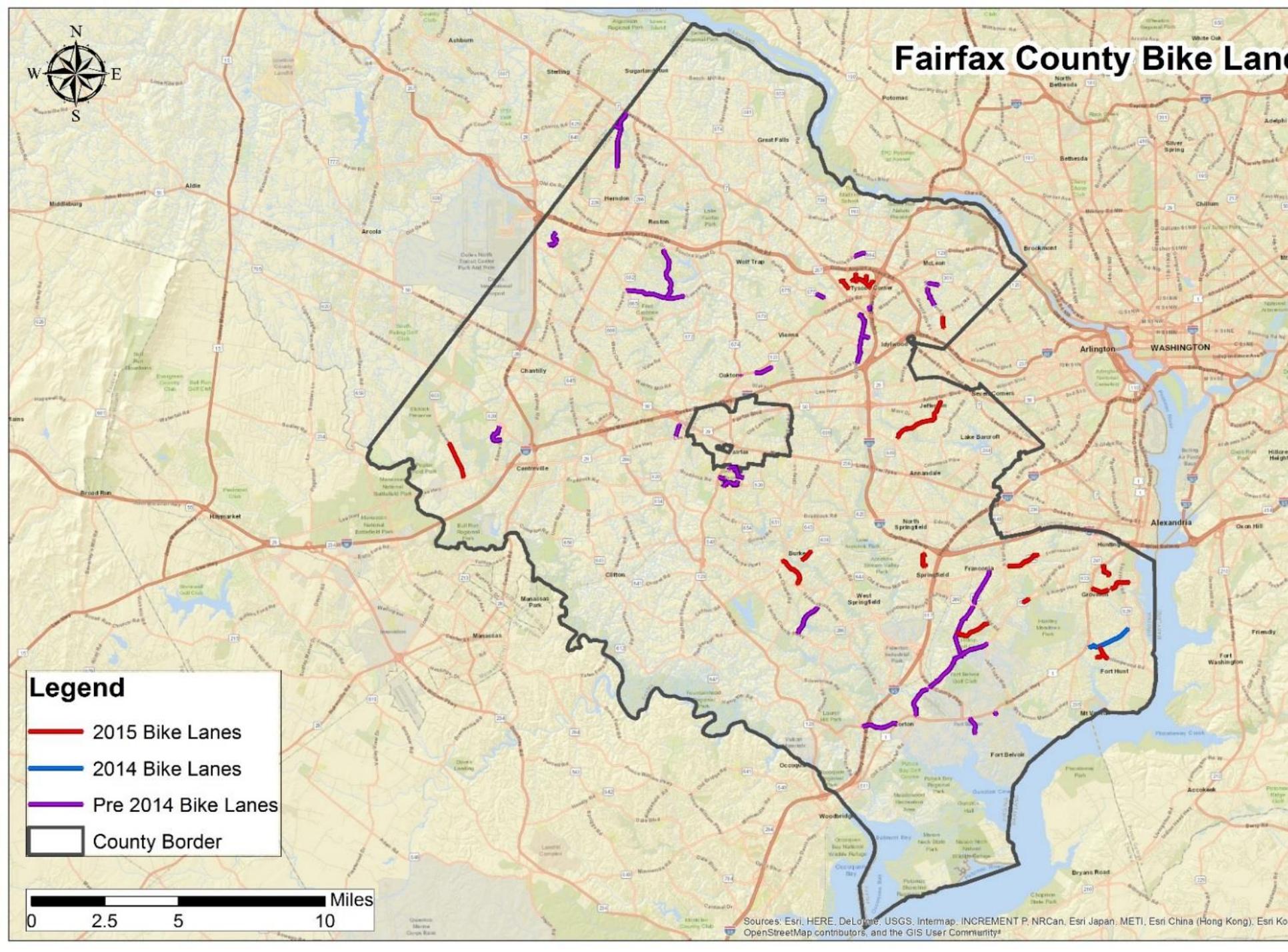


**Legend**

- 2015 Bike Lanes
- 2014 Bike Lanes
- Pre 2014 Bike Lanes
- County Border



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, OpenStreetMap contributors, and the GIS User Community



# Fairfax County Bike Lane

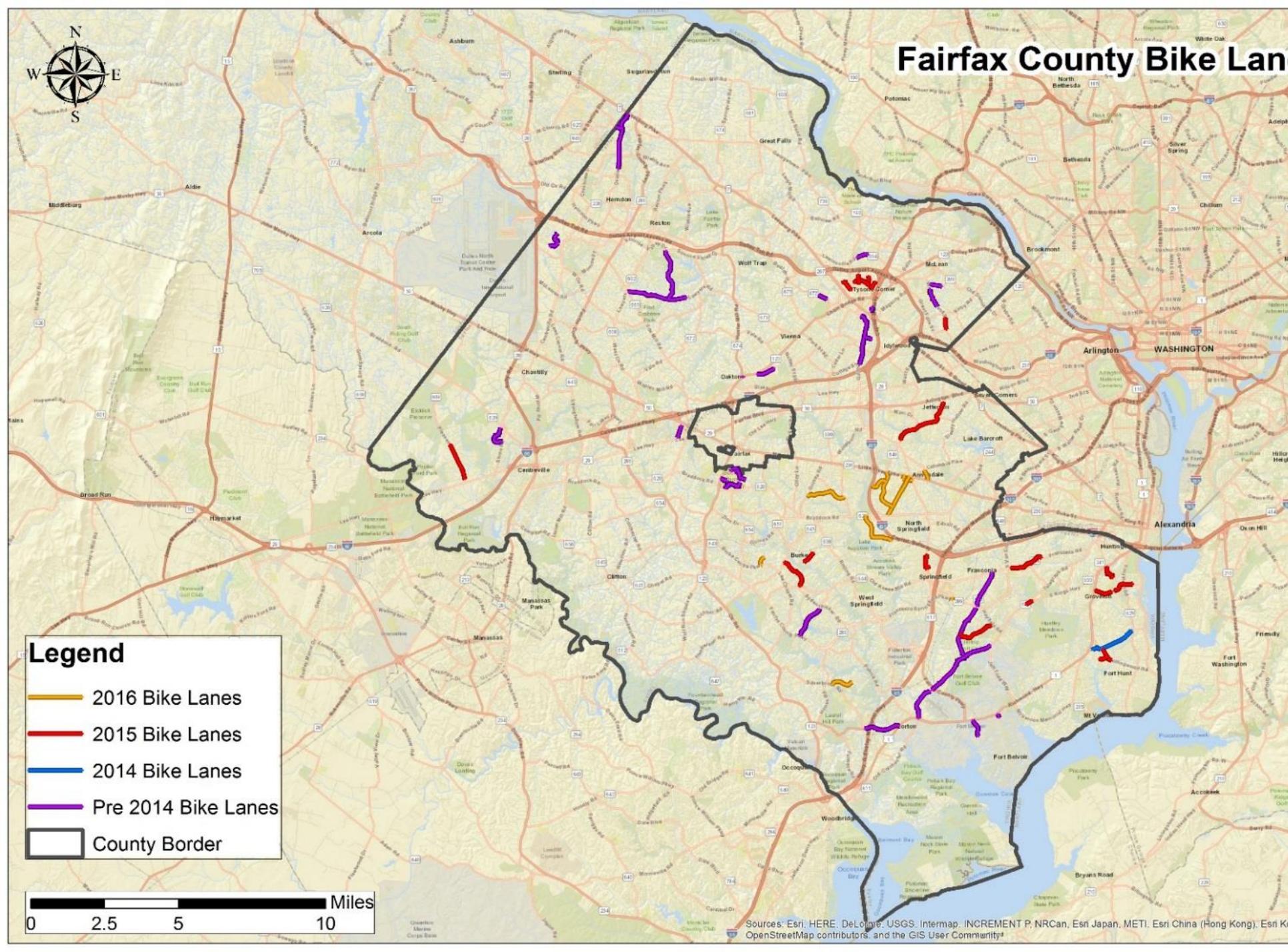


**Legend**

- 2016 Bike Lanes
- 2015 Bike Lanes
- 2014 Bike Lanes
- Pre 2014 Bike Lanes
- County Border



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Swisstopo, Mapbox, OpenStreetMap contributors, and the GIS User Community

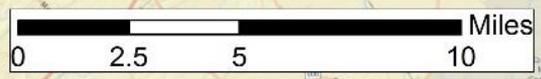


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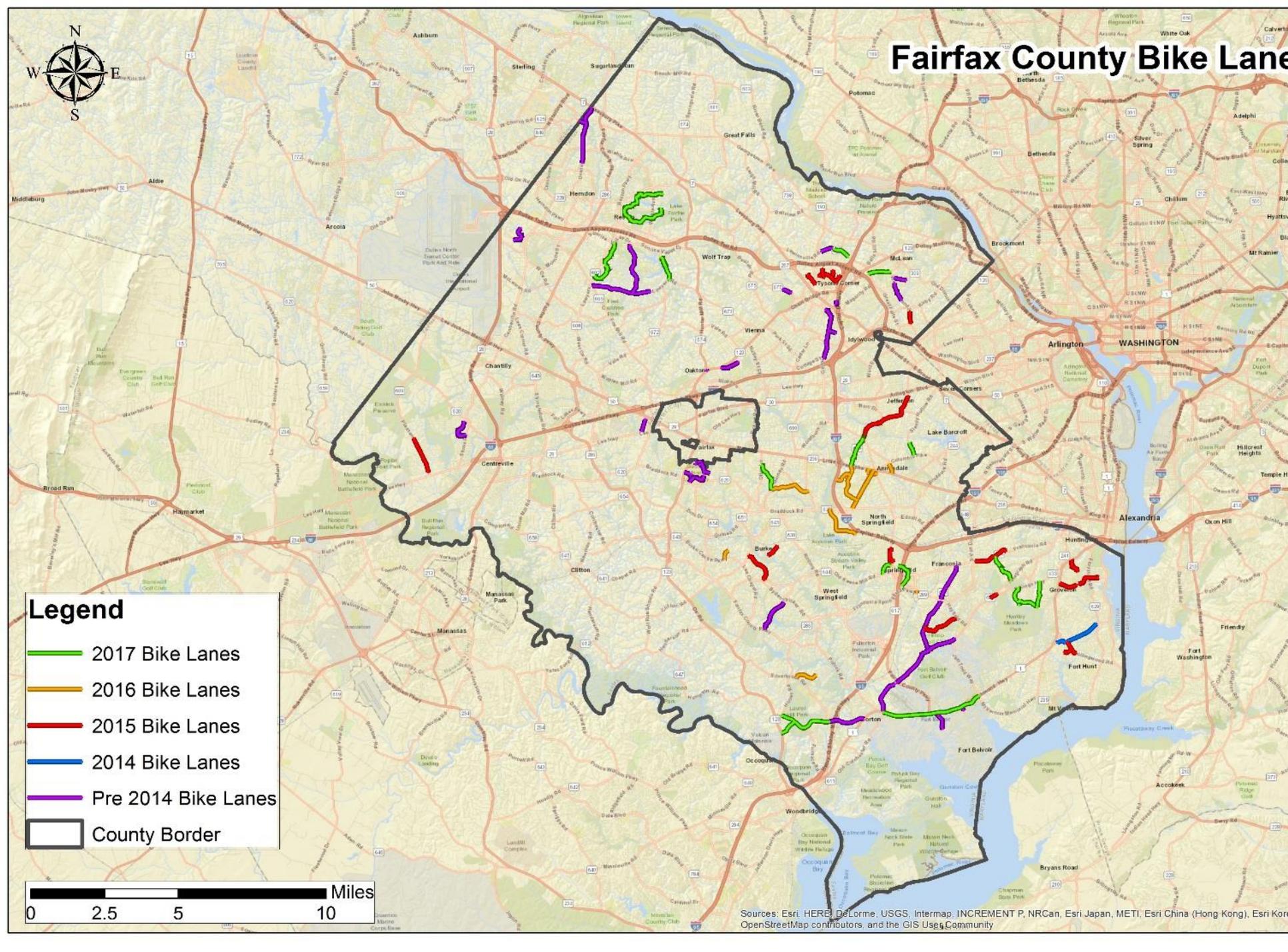


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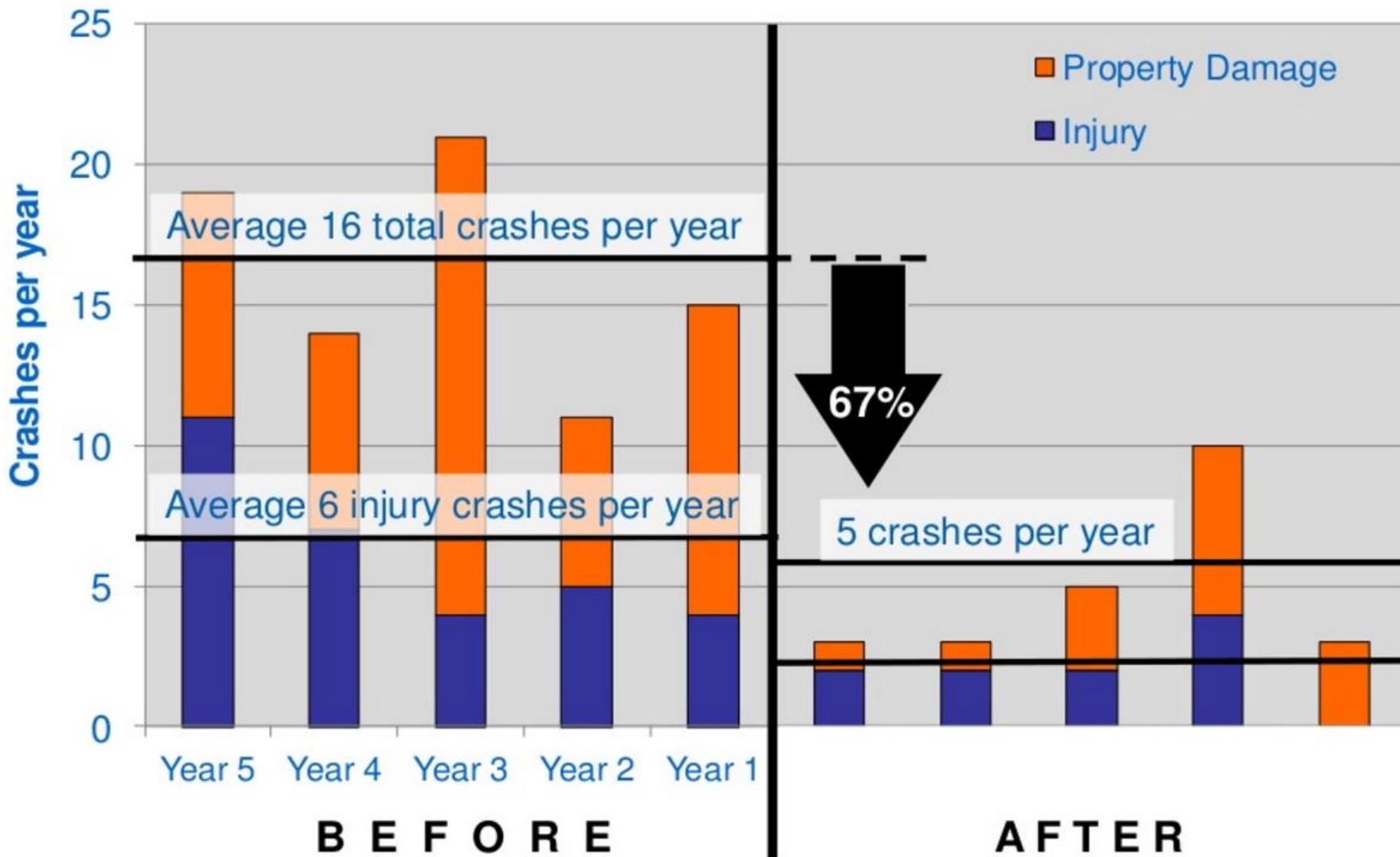
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- 2016 Bike Lanes
- 2015 Bike Lanes
- 2014 Bike Lanes
- Pre 2014 Bike Lanes
- County Border



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, OpenStreetMap contributors, and the GIS User Community



# Crashes in the road diet section of lawyers Road



# Resources

## Bike/Ped Library:

- [http://www.virginiadot.org/programs/bicycling\\_and\\_walking/bicycle\\_and\\_pedestrian\\_library.asp](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](#)