

Rolling Out New Bike Facilities

Within the North Bethesda & White Flint Area



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Agenda

- **Designing for all Cyclists**
 - Background on Bicycling in Montgomery County
- **Projects**
 - Woodglen Two-Way Separated Bike Lane – Completed November 2014
 - Nebel St. One-Way Separated Bike Lane – Completed October 2016
 - Marinelli Road Proposed One Way Separated Bike Lane – Under Design 2017
- **White Flint – western work around (CIP 501506)**
 - New roadways with new bicycle facilities
- **Grosvenor Bicycle & Pedestrian Priority Area (CIP 501532)**
- **Other Bike related amenities**
 - Waysides I & II & Trail Lighting
 - Bike racks and repair stations
 - Bike route wayfinding signs



moving forward together
our vision for transportation in Montgomery County

OUR VISION:

A seamless transportation system for people of all ages, incomes and abilities that supports a vibrant and sustainable community.

OUR MISSION:

To move people and connect places
with the best transportation choices and services.

At MCDOT, our work is guided by the following fundamental principles:



Provide an effective and efficient transportation system



Keep our system reliable, safe and secure



Engage and support our diverse community



Enhance quality of life



Be innovative and forward-thinking

LET'S MOVE FORWARD TOGETHER. At MCDOT, we are committed to delivering the first-rate, multimodal transportation system that Montgomery County needs through a renewed vision, mission and set of guiding principles. We want to partner with you, the people who use this system daily, to make lasting change and create the best transportation network possible for our community. We ask that you join us in working towards these goals. The daily transportation choices we make and the priorities we choose as a community matter. Let's keep moving forward together.

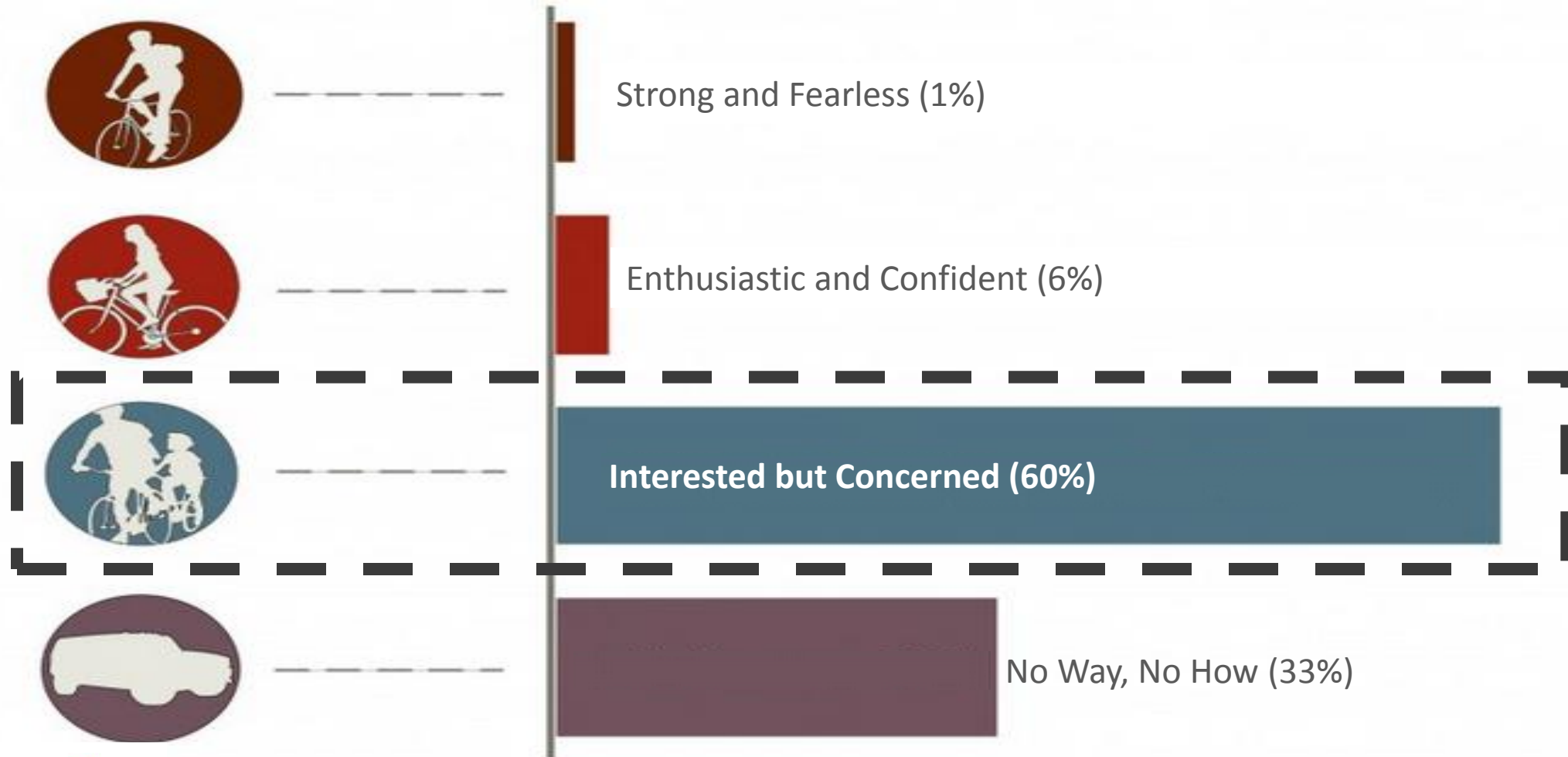
— MCDOT DIRECTOR M. BOISHVICK

Why are we building these new bike facilities?

- Bicycling is gaining popularity as a mode of transportation throughout the United States.
- Montgomery County Department of Transportation has a renewed vision and mission that reflects our commitment to creating a first-rate, multimodal transportation system.
- Montgomery County Department of Transportation has begun to fulfill the recommendations of the Updated Bicycle Master Plan and is investing in the county's low stress bike network to meet the needs of cyclists of any skill level from 8 to 80 years of age.
- Montgomery County has made a commitment to Vision Zero to reduce roadway fatalities to zero.

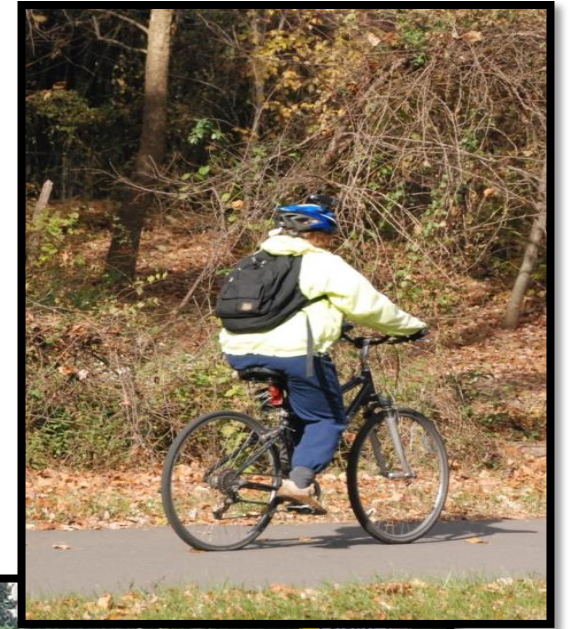
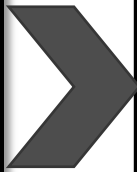
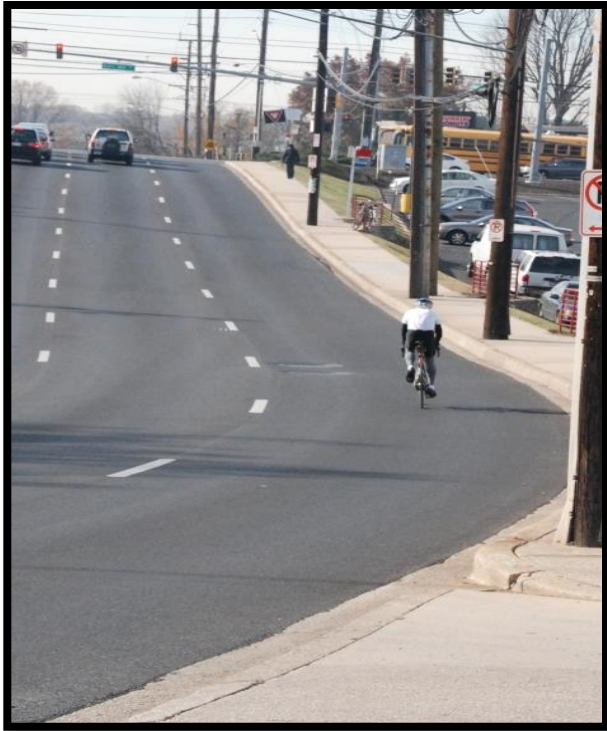
Designing for All Cyclists

- Montgomery County considers skill level and the “Four Types of Cyclists”



Designing for All Cyclists

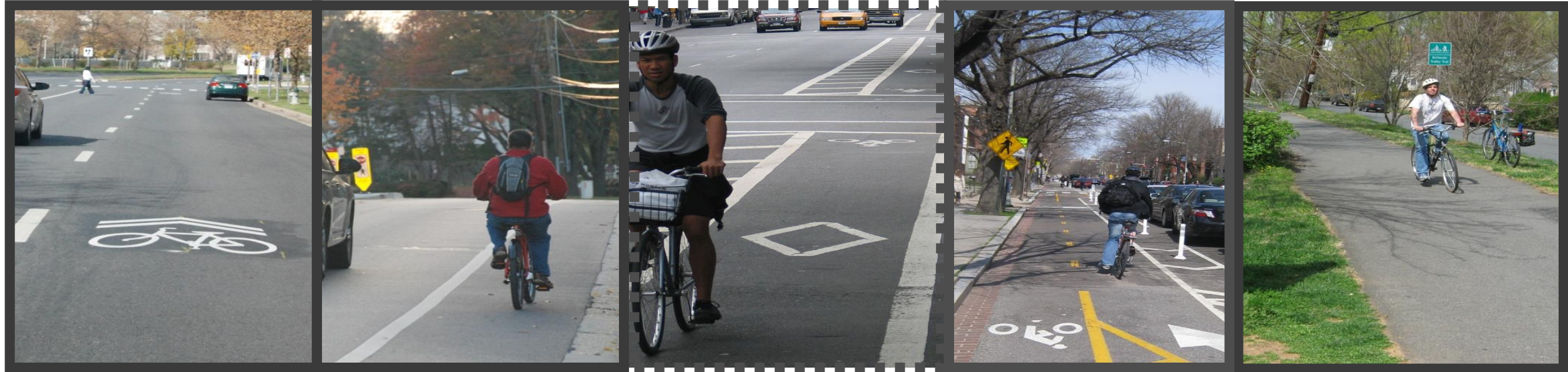
- From Strong & Fearless to Interested but Concerned...



Spectrum of Bicycle Facilities

higher stress

lower stress



Shared-Lane Markings (“Sharrows”)

Bike Lane

Buffered Bike Lane

Separated Bike Lane

Shared-Use Path

2014

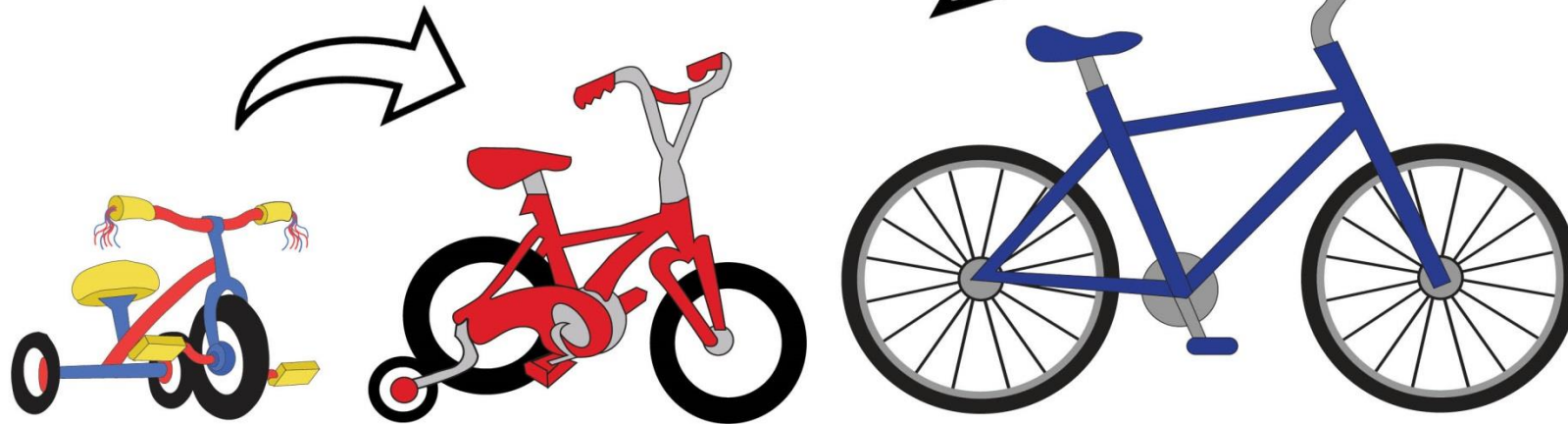
Our first suburban two-way separated bike lane was constructed in White Flint along Woodglan Drive, which included the first bike box in the county.

2015

Designs and approvals for additional separated bike lanes have been completed in White Flint and Silver Spring CBD.

2016

This past summer, MCDOT constructed two separated bike lane projects: Nebel St. & Glenbrook Rd. Spring St. will be under construction in Spring '17 & Marinelli Rd. is under design.



Building the county's low stress bike network has begun.

We've come a long way in 3 years!

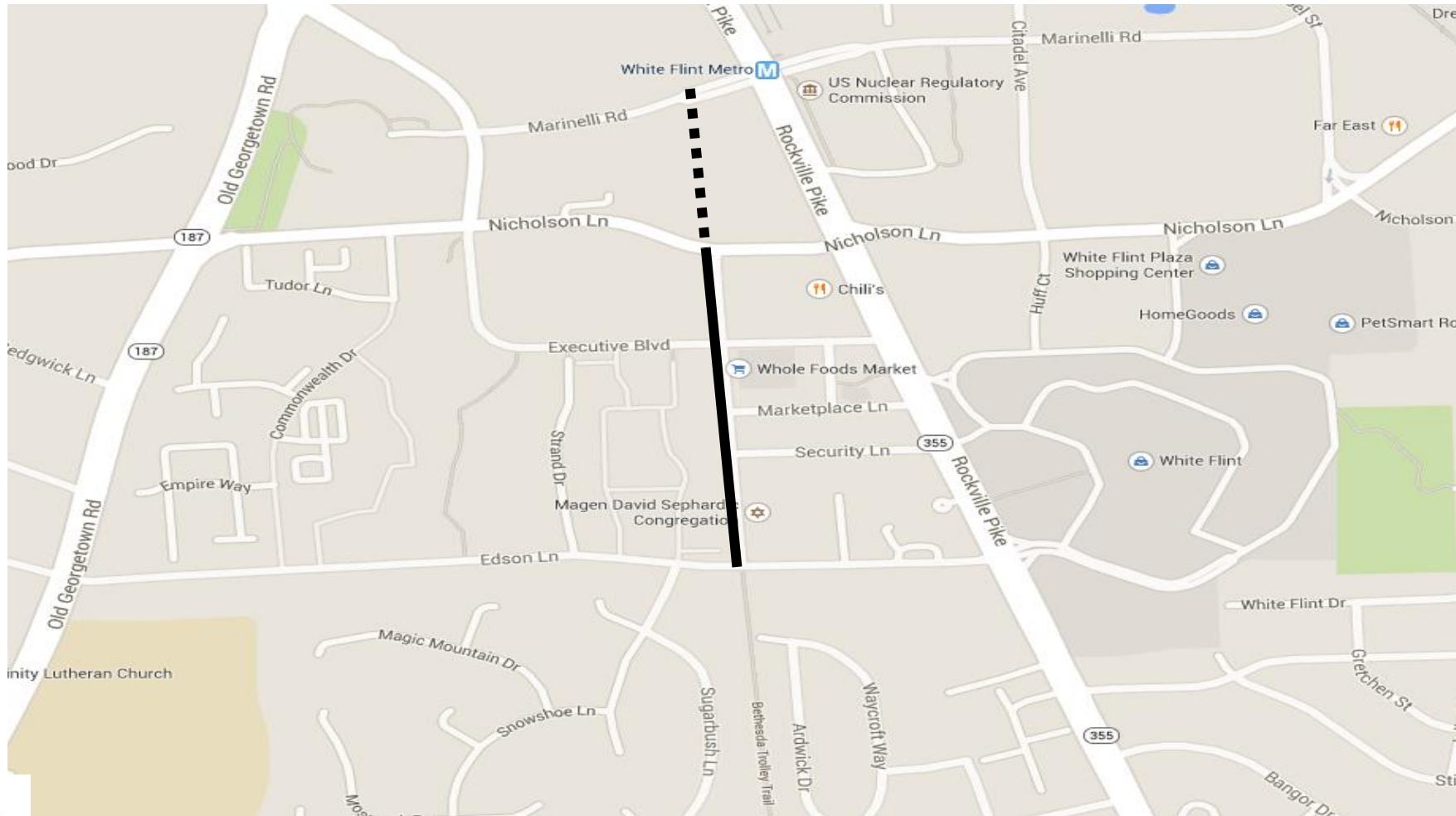
Separated bike lanes (also known as cycle tracks) are bicycle-only facilities that are separated from auto traffic by a physical barrier, such as parked cars, bollards, a landscaped buffer, or a curb. Separated bike lanes may be one-way or two-way and can be raised or at street-level.

- One-way separated bike lane – Nebel St. completed. Marinelli Road –under design in 2017
- Two-way separated bike lane – Woodglen completed. Woodmont Avenue– under design in 2017



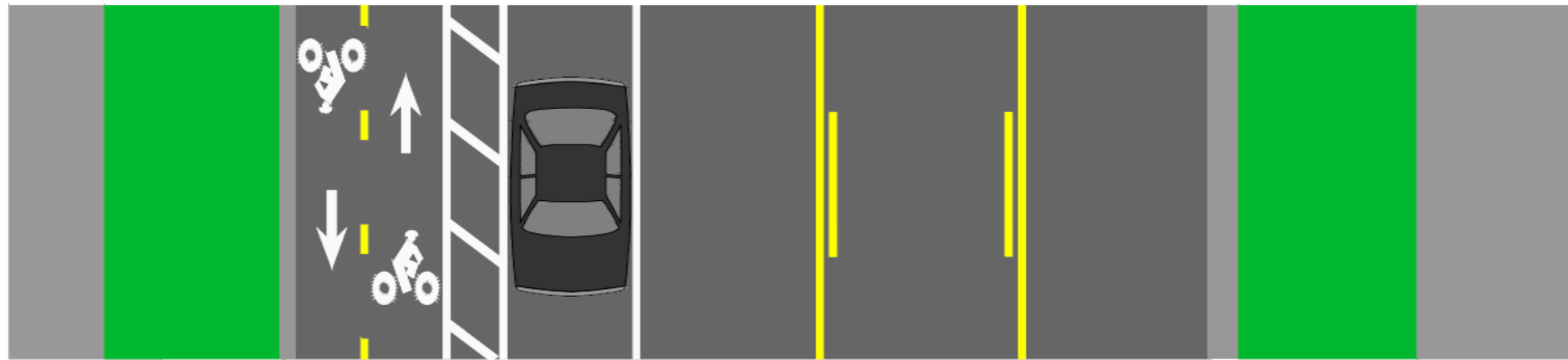
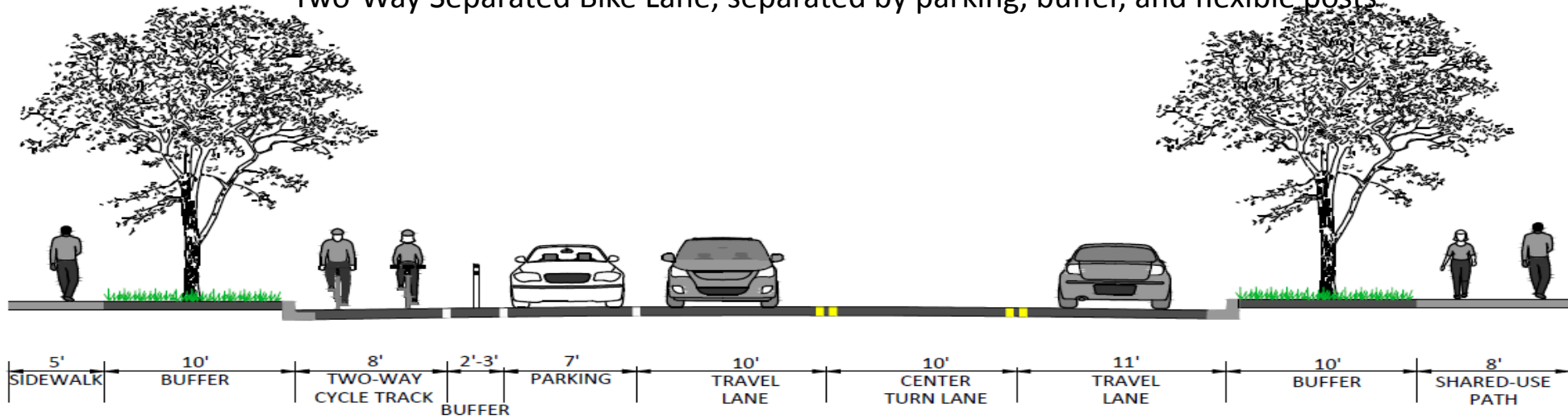
WOODGLEN DR. SEPARATED BIKE LANE

- Nicholson Ln. to Edson Ln. *Future phase to Marinelli Rd*



WOODGLEN DR. SEPARATED BIKE LANE

Two-Way Separated Bike Lane, separated by parking, buffer, and flexible posts



NICHOLSON DRIVE TO EDSON LANE



WOODGLEN DR. – TWO-WAY SEPARATED BIKE LANE

Separation from traffic is comfortable for bicyclists of varying ages and comfort levels



Woodglen Dr. Separated Bike Lane

- New signage has been installed to show motorists that parking spaces have corresponding curbside parking meters.



Intersections

- Bike boxes
 - ▣ Montgomery County already has one of these on Woodglen Drive (2014).



Woodglen Drive and Nicholson Lane

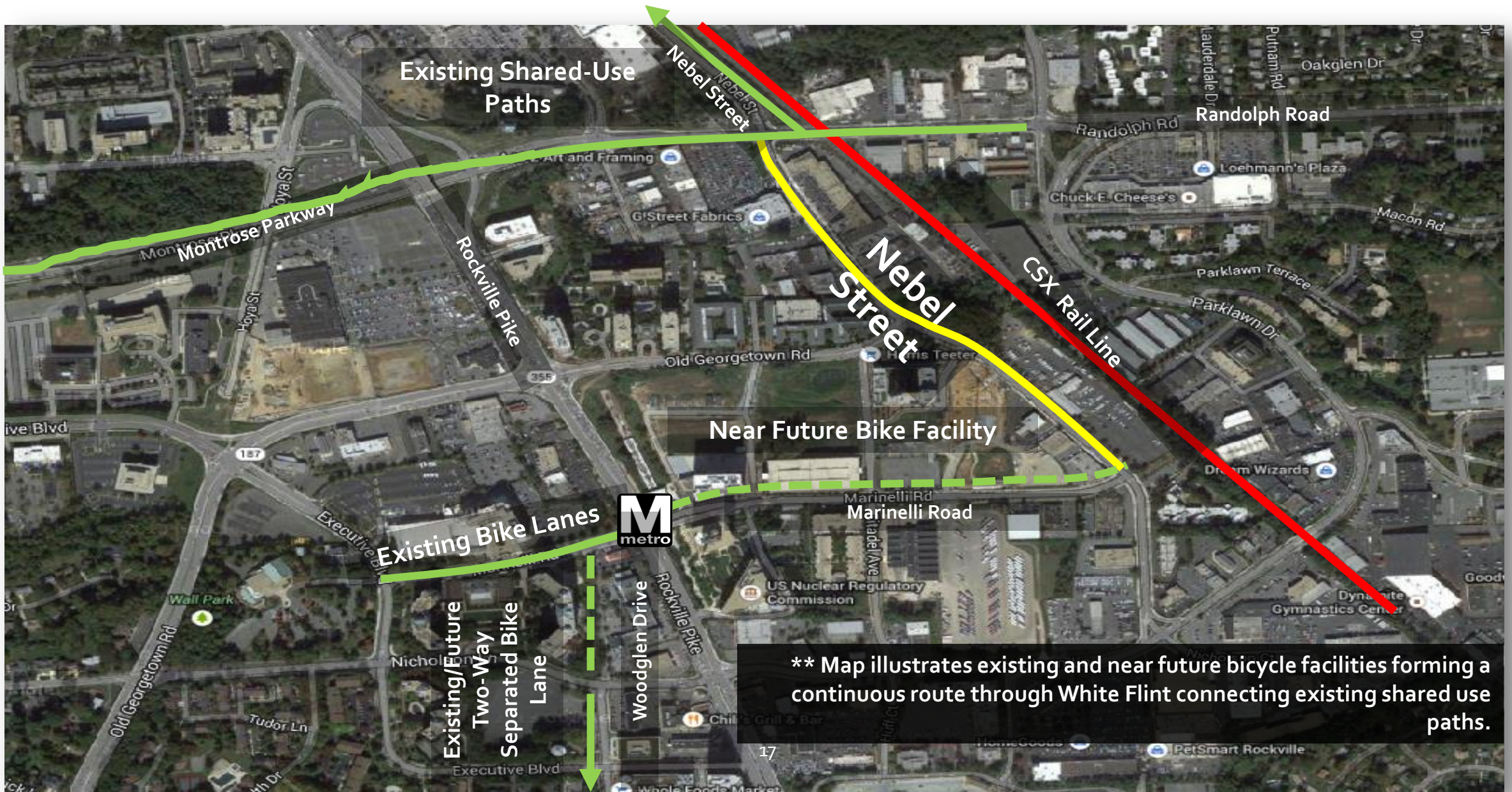
WOODGLEN DR. SEPARATED BIKE LANE

Woodglen Drive and Edson Lane in North Bethesda

- Green pavement identifies conflict areas at driveways and intersections

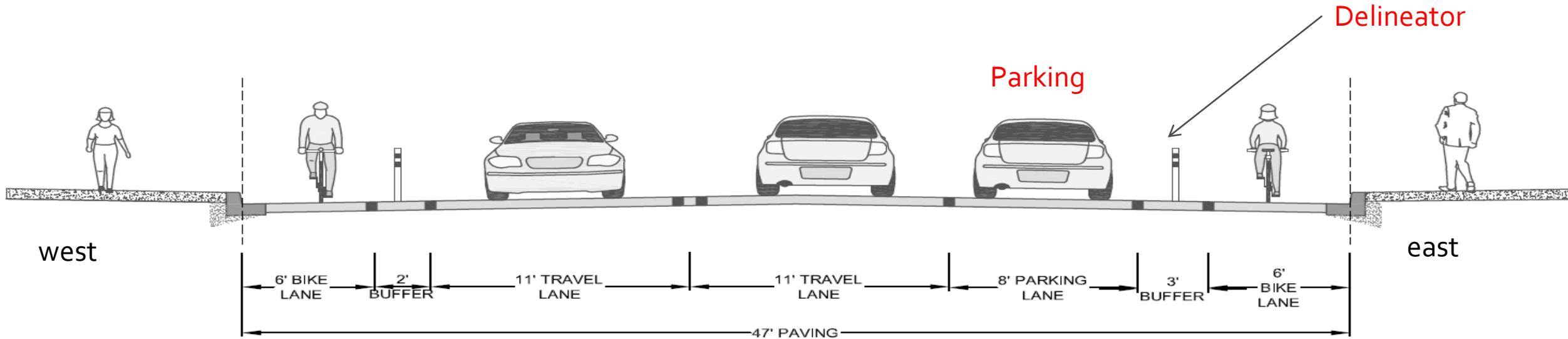


NEBEL STREET SEPARATED BIKE LANES (FROM RANDOLPH ROAD TO MARINELLI ROAD)



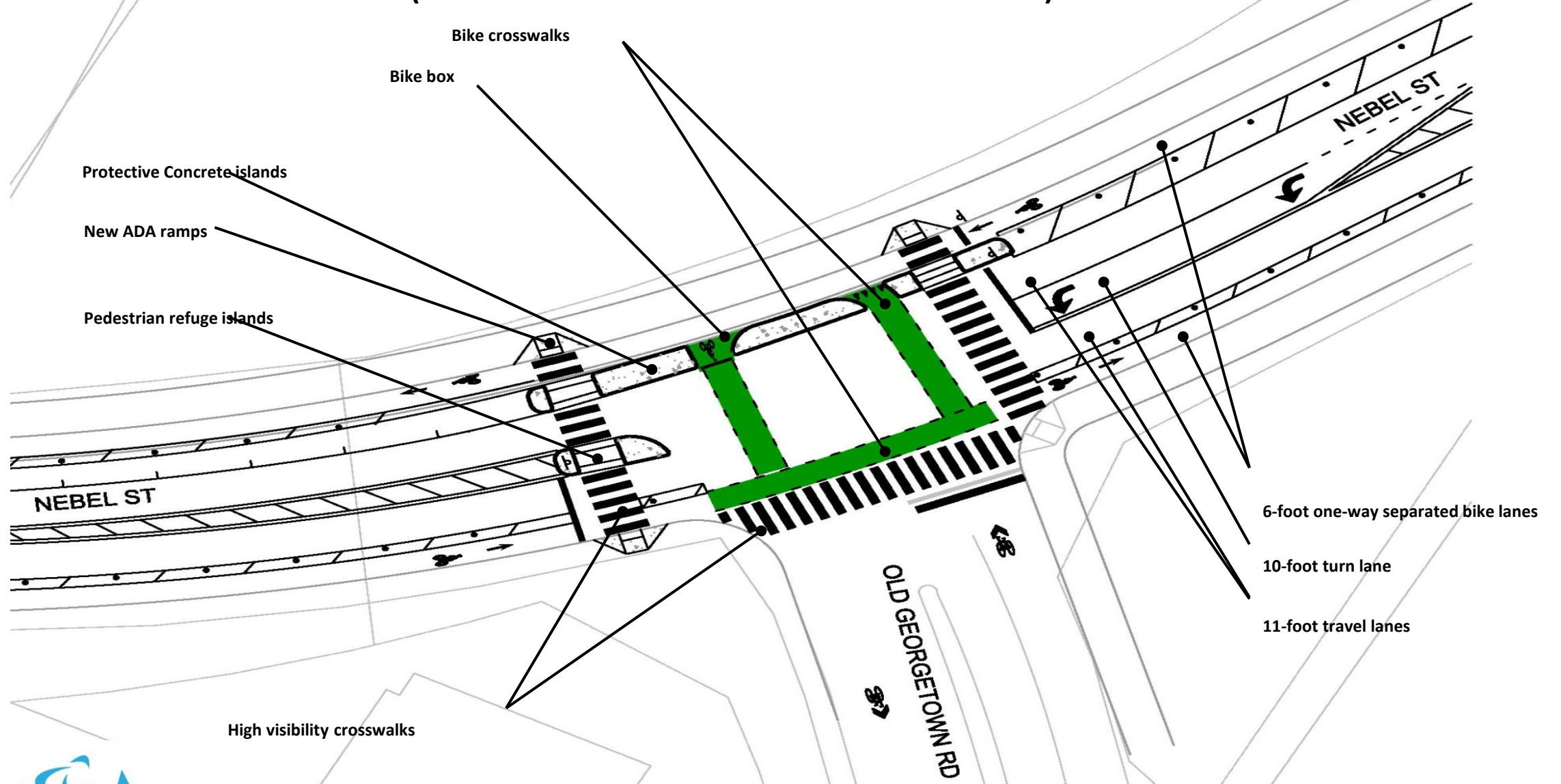
**** Map illustrates existing and near future bicycle facilities forming a continuous route through White Flint connecting existing shared use paths.**

NEBEL STREET SEPARATED BIKE LANES (FROM RANDOLPH ROAD TO MARINELLI ROAD)



- Swap location of parking with bike lane on east side
- Add vertical flexible delineator in buffer
- Reduced width of travel lanes to 11'
- Removed parking on the west side (20 spaces)

NEBEL STREET SEPARATED BIKE LANES (FROM RANDOLPH ROAD TO MARINELLI ROAD)



NEBEL STREET SEPARATED BIKE LANES

(FROM RANDOLPH ROAD TO MARINELLI ROAD)

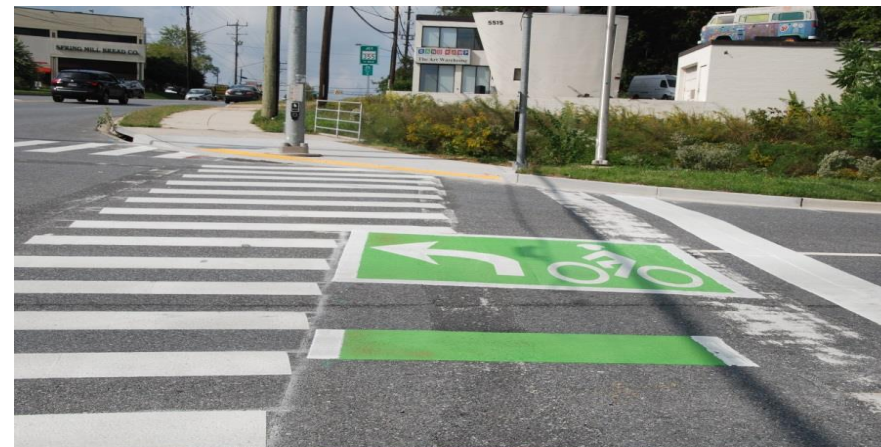
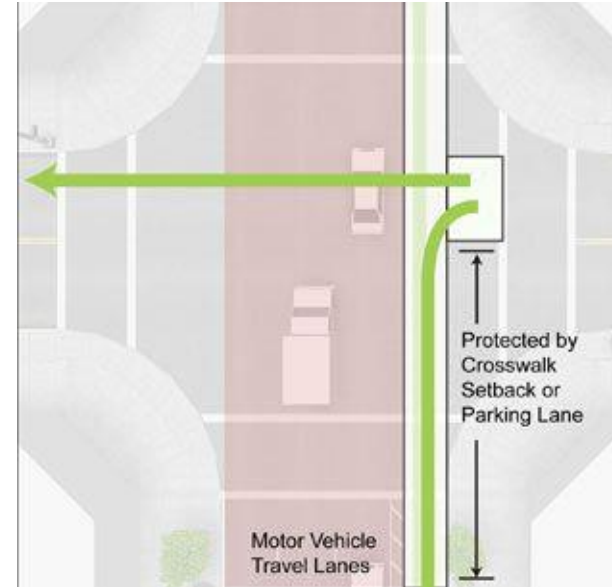


NEBEL STREET SEPARATED BIKE LANES (FROM RANDOLPH ROAD TO MARINELLI ROAD)



Intersections

- Two-stage queue boxes
 - ▣ Most signalized intersections will get two-stage queue boxes.
 - ▣ Benefits of two-stage queue boxes:
 - Allows safer/more comfortable left turns for cyclists off of the cycletrack.
 - Separates turning cyclists from through cyclists.
 - Reduces turning conflicts between cyclists and motorists.

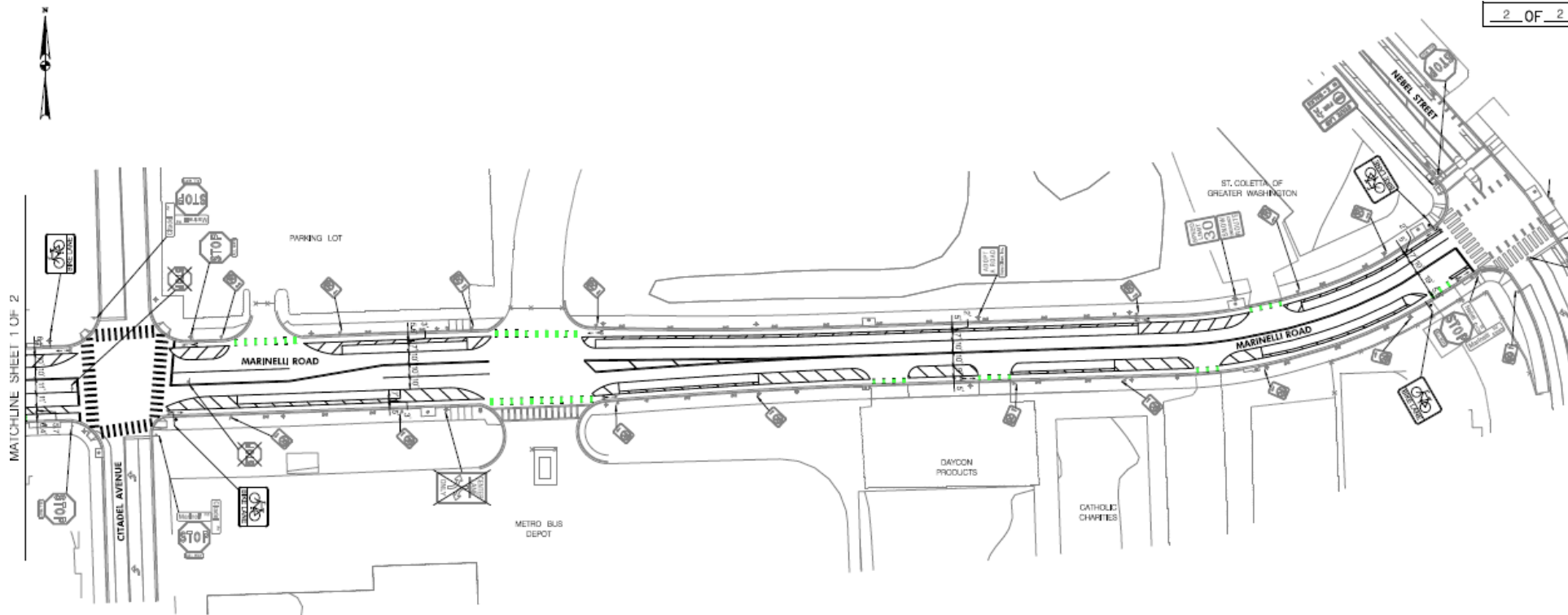


NEBEL STREET SEPARATED BIKE LANES (FROM RANDOLPH ROAD TO MARINELLI ROAD)



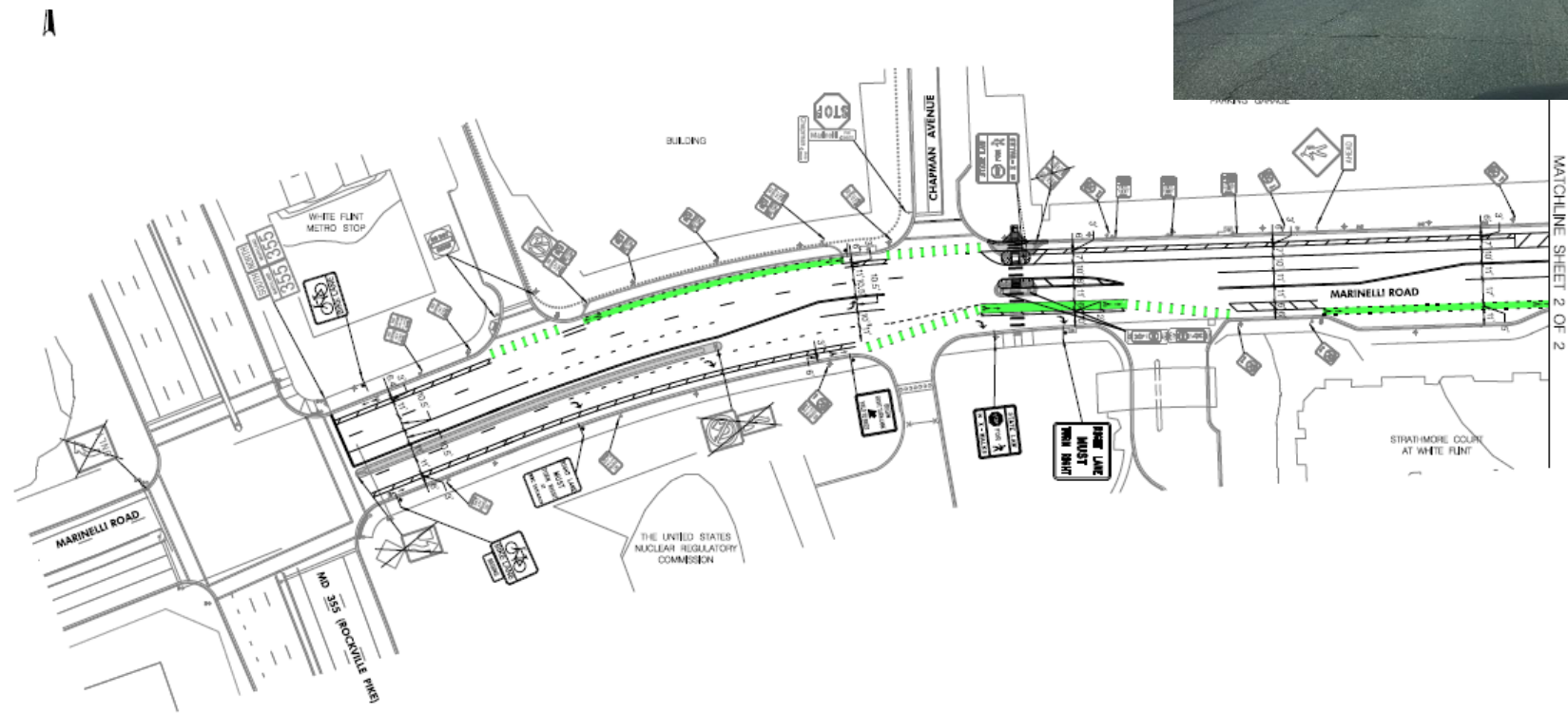
Marinelli Road Proposed One Way Separated Bike Lane from Nebel Street to MD 355

- Currently under design in 2017



Marinelli Road Proposed One Way Separated Bike Lane from Nebel Street to MD 355

- Currently under design in 2017



White Flint Western Work Around – CIP 501506

BETHESDA BEAT

DON'T MISS OUT. SIGN UP
TO GET THE BETHESDA BEAT DAILY EMAIL.

BETHESDA | CHEVY CHASE | GAITHERSBURG | KENSINGTON | NORTH BETHESDA | POTOMAC | ROCKVILLE | SILVER SPRING

Construction Begins on White Flint's Western Workaround Road Project

The project will realign Executive Boulevard in the redeveloping area

BY ANDREW METCALF [Follow @AJwalchMD](#)



Published: 2016.11.23 10:12

The transformation of roads in a redeveloping area around the White Flint Metro station into more navigable city blocks began earlier this month.

Tina Benjamin, special projects director for Montgomery County, said Tuesday that fencing and equipment are being staged on a surface parking lot behind the North



The new parking garage being built as part of phase one of the Western Workaround

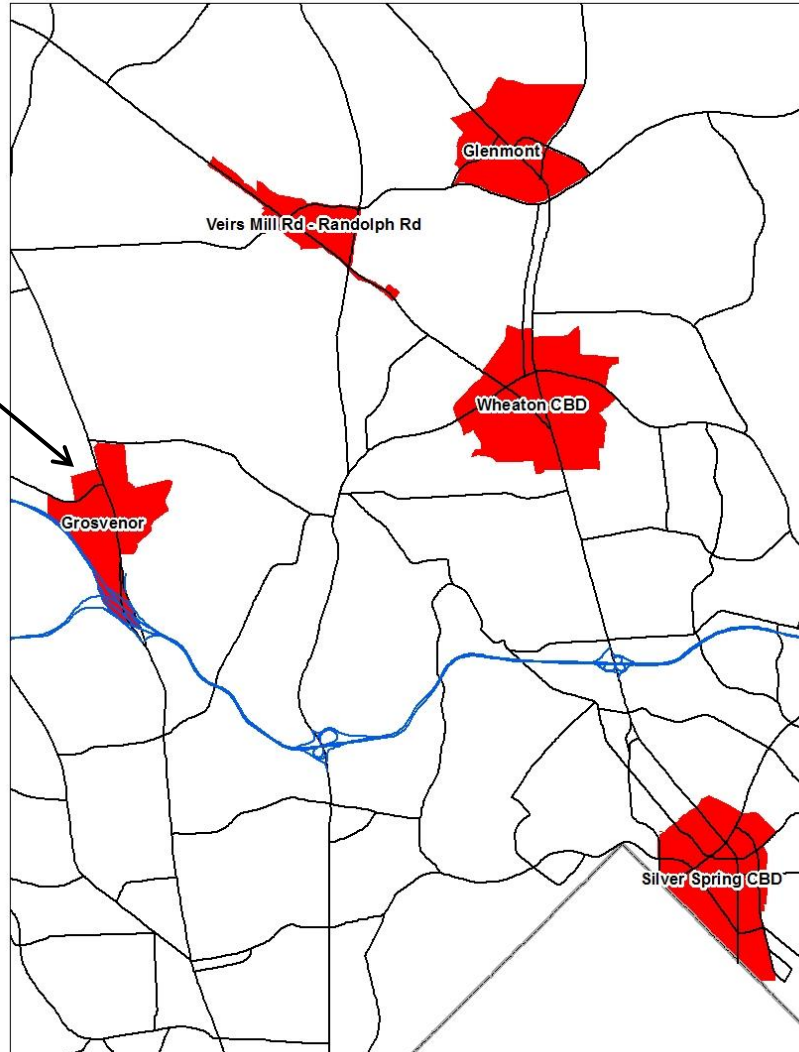
MONTGOMERY COUNTY



Bicycle & Pedestrian Priority Areas (BiPPA)-CIP 501532

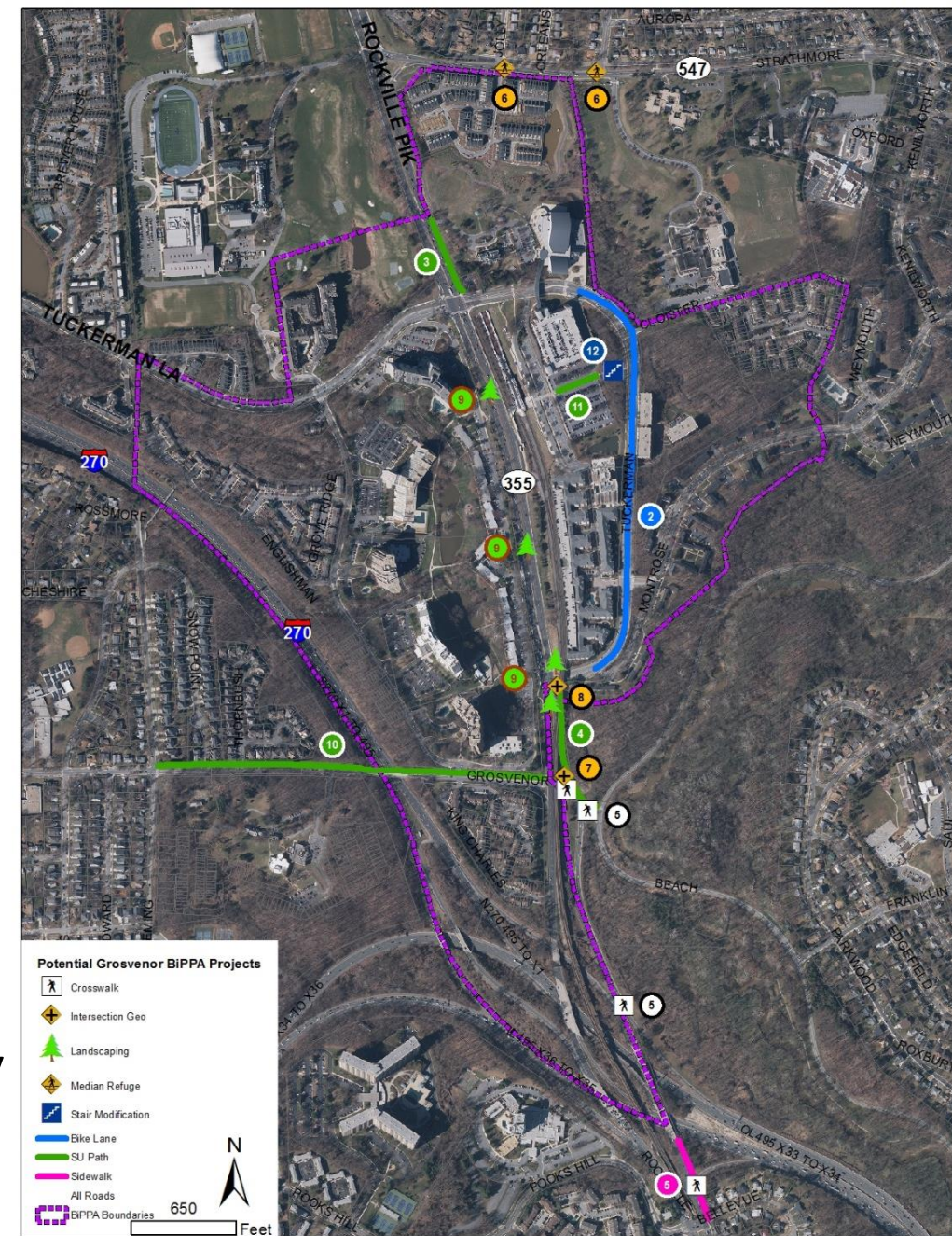
Grosvenor
(one of first five to be studied)

Grosvenor BiPPA
Improvements in FY 17 & FY 18

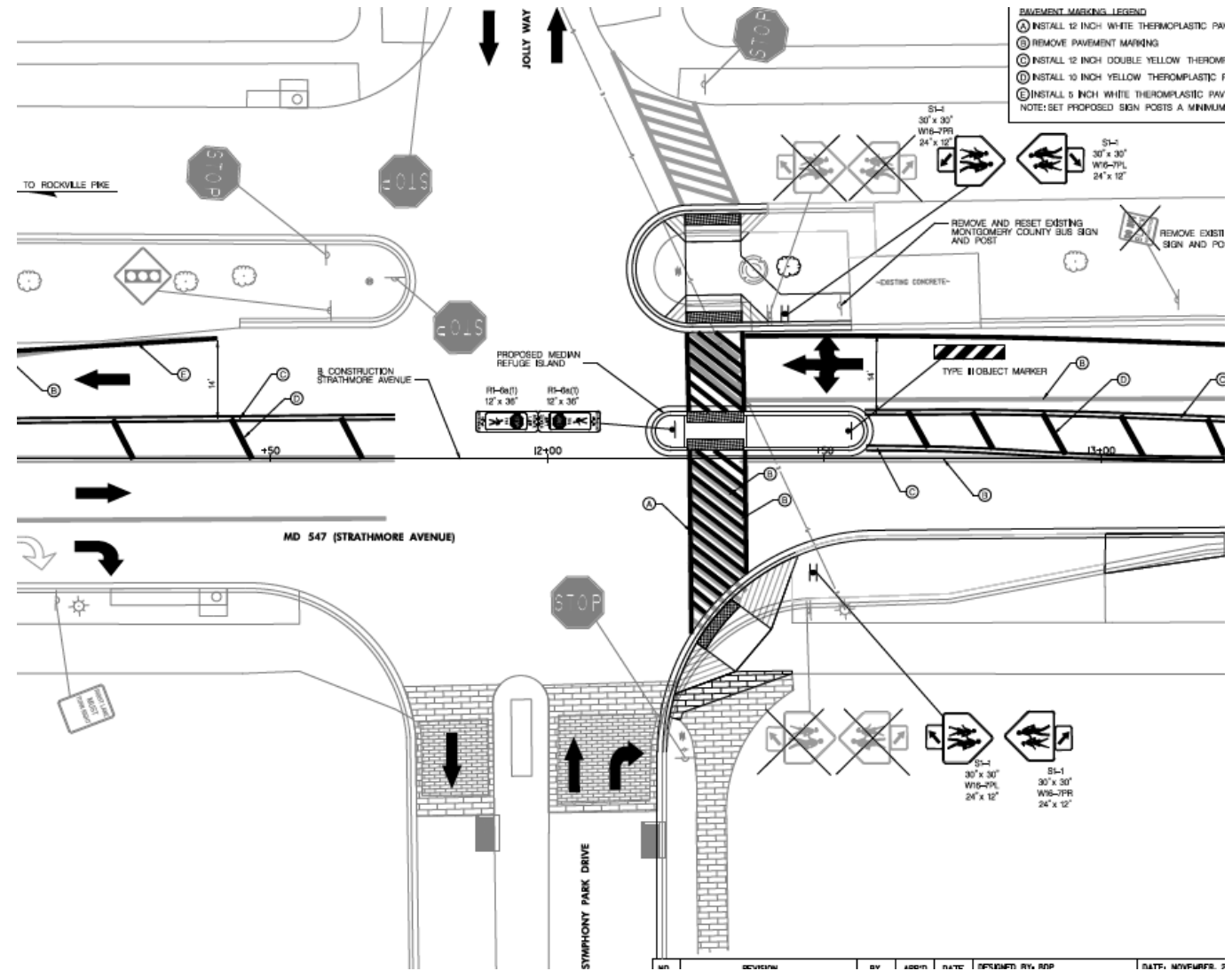


Grosvenor BiPPA

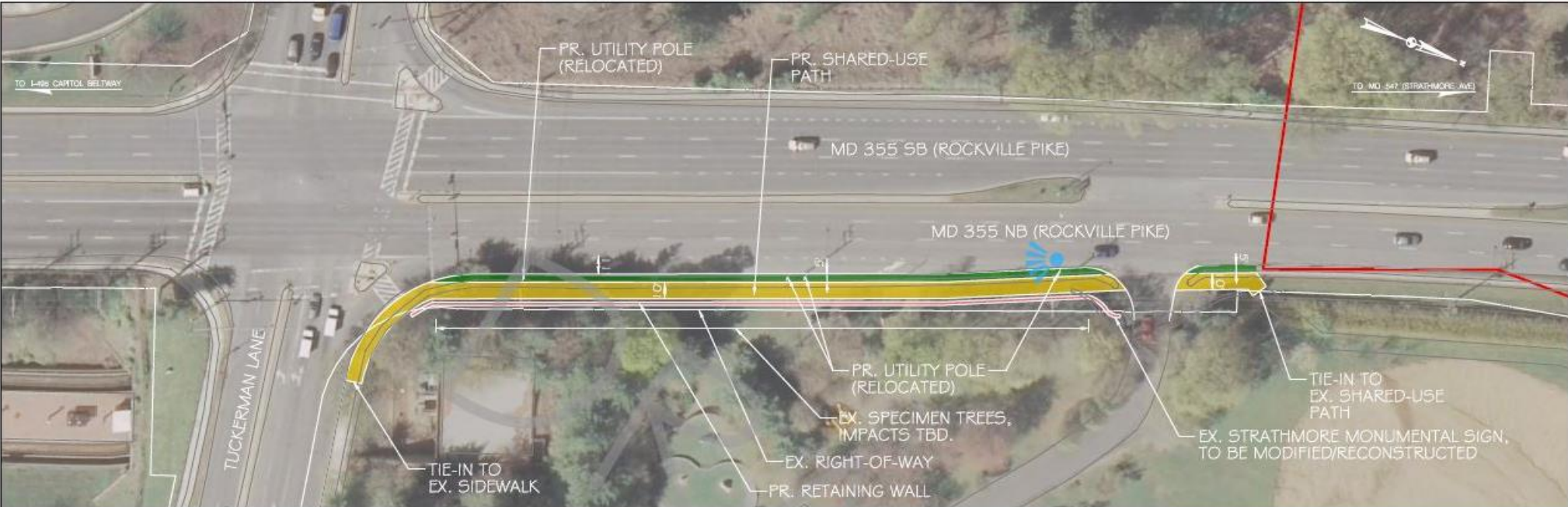
- In FY 2017, MCDOT will be working on improvements in Grosvenor.
- Projects in design:
 - Median refuge islands across MD 547 at Jolly Ln & Stillwater Ave.
 - Shared-use path between Tuckerman Lane (north) and Strathmore Mansion driveway
 - Landscaping/gateway feature along MD 355
 - MD 355 sidewalk gap (east side): Grosvenor Ln to Pooks Hill Rd – under concept development *in FY 17*
- Deferred:
 - Tuckerman Lane bike lanes (east of MD 355) delayed due to paving schedule adjustment (funded by Highway Services). Anticipate in Fall 2017.



Grosvenor BiPPA



Grosvenor BiPPA



LEGEND

- PR. SIDEWALK / SHARED-USE PATH
- PR. GROUND COVER / SWM FEATURE
- PR. RETAINING WALL
- EXISTING RIGHT-OF-WAY LINE
- BICYCLE AND PEDESTRIAN AREA BOUNDARY
- PHOTO VIEWSHED

30 0 30 60
SCALE: 1"=40'



Wayside I and II and BTT Lighting



Bicycle Route Wayfinding



Contact Us!



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Learn more: www.bikemontgomery.com

Follow us: @MoCo_DTE

Get Involved: MCBAG: Montgomery County Bicycle Action Group



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