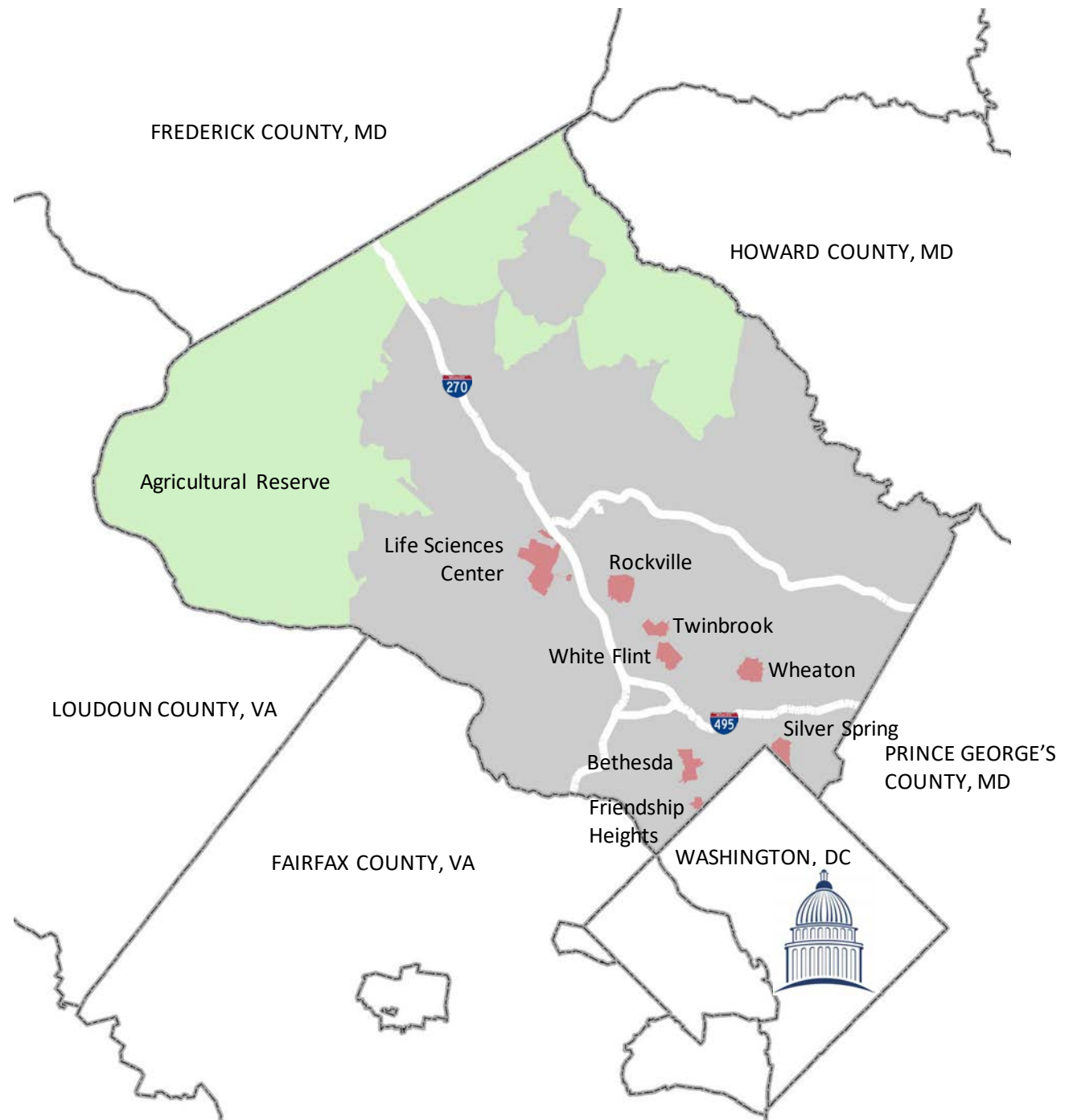


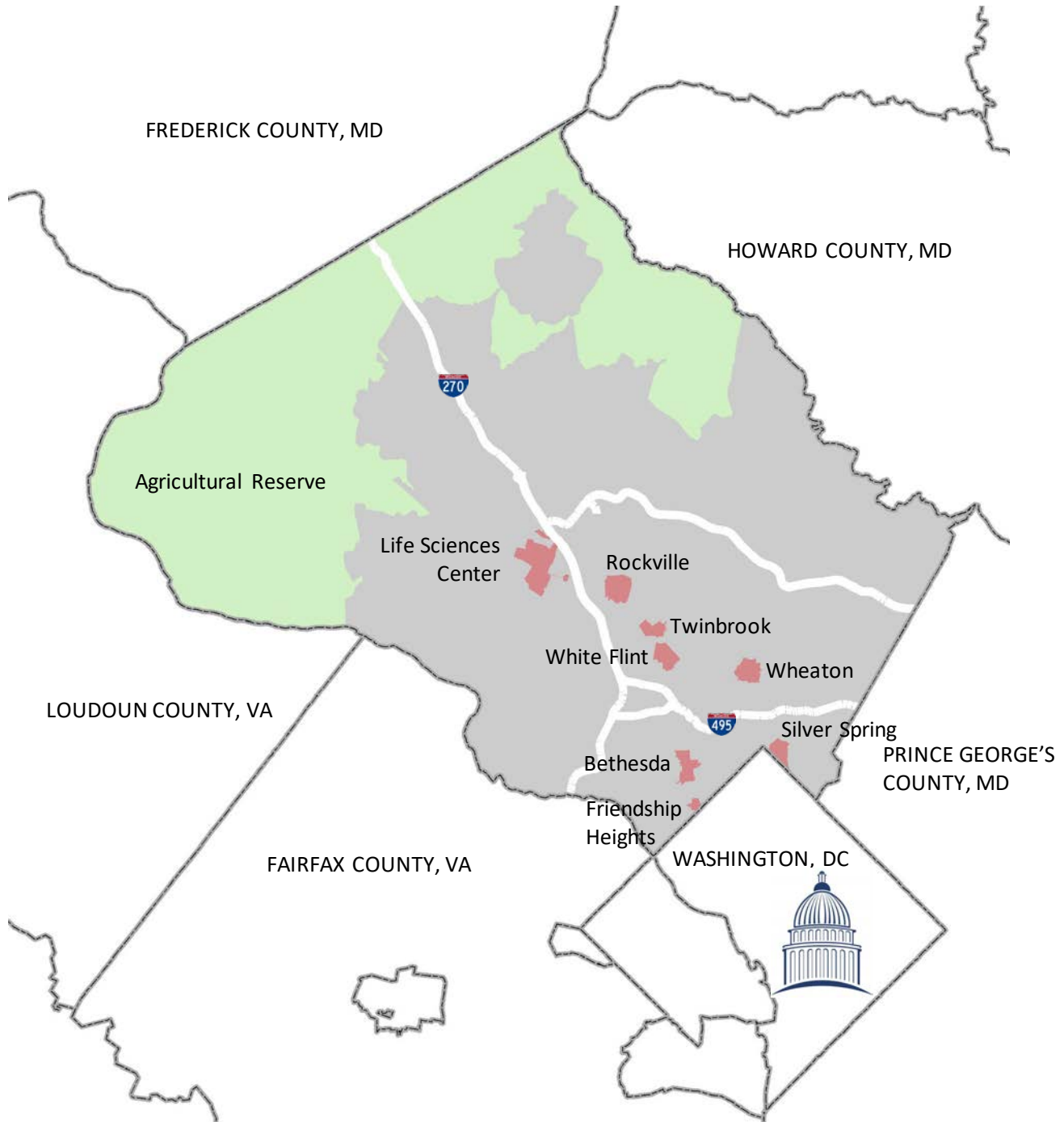
# GENERATING MOMENTUM:

## MONTGOMERY COUNTY, MARYLAND'S BICYCLE MASTER PLAN

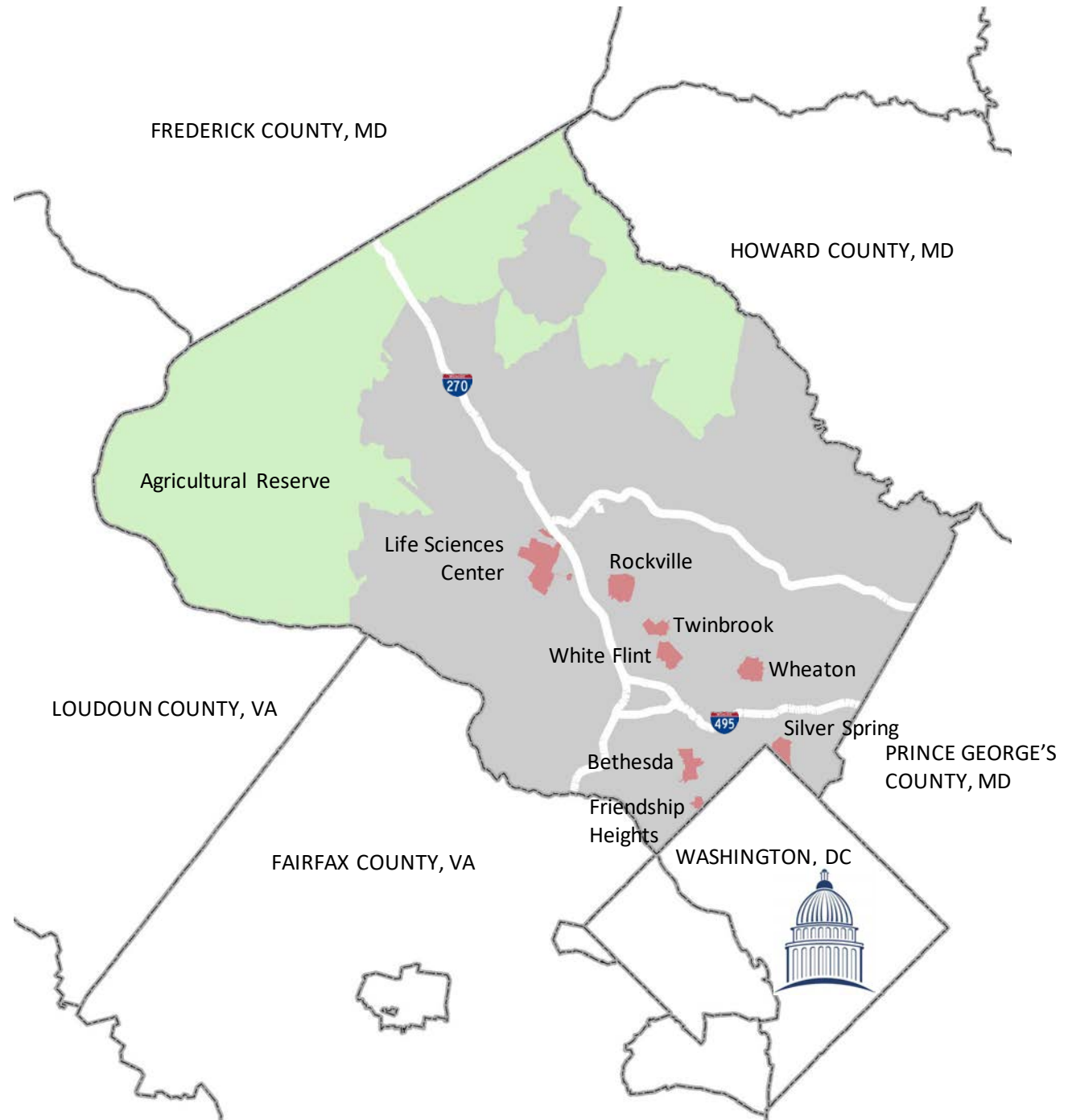




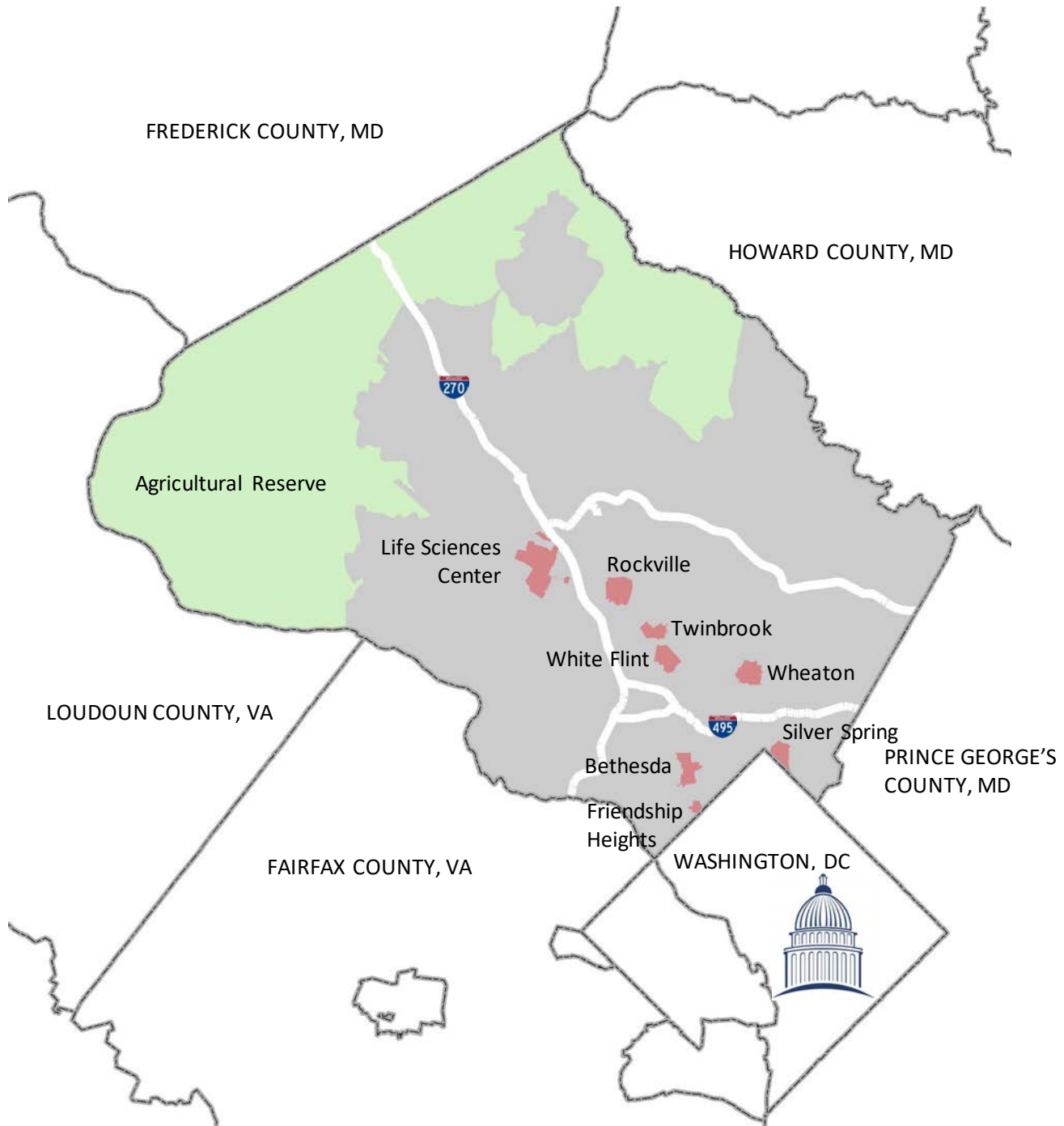












# KEY FEATURES



# KEY FEATURE #1

## APPROPRIATE FACILITY BY ROAD TYPE

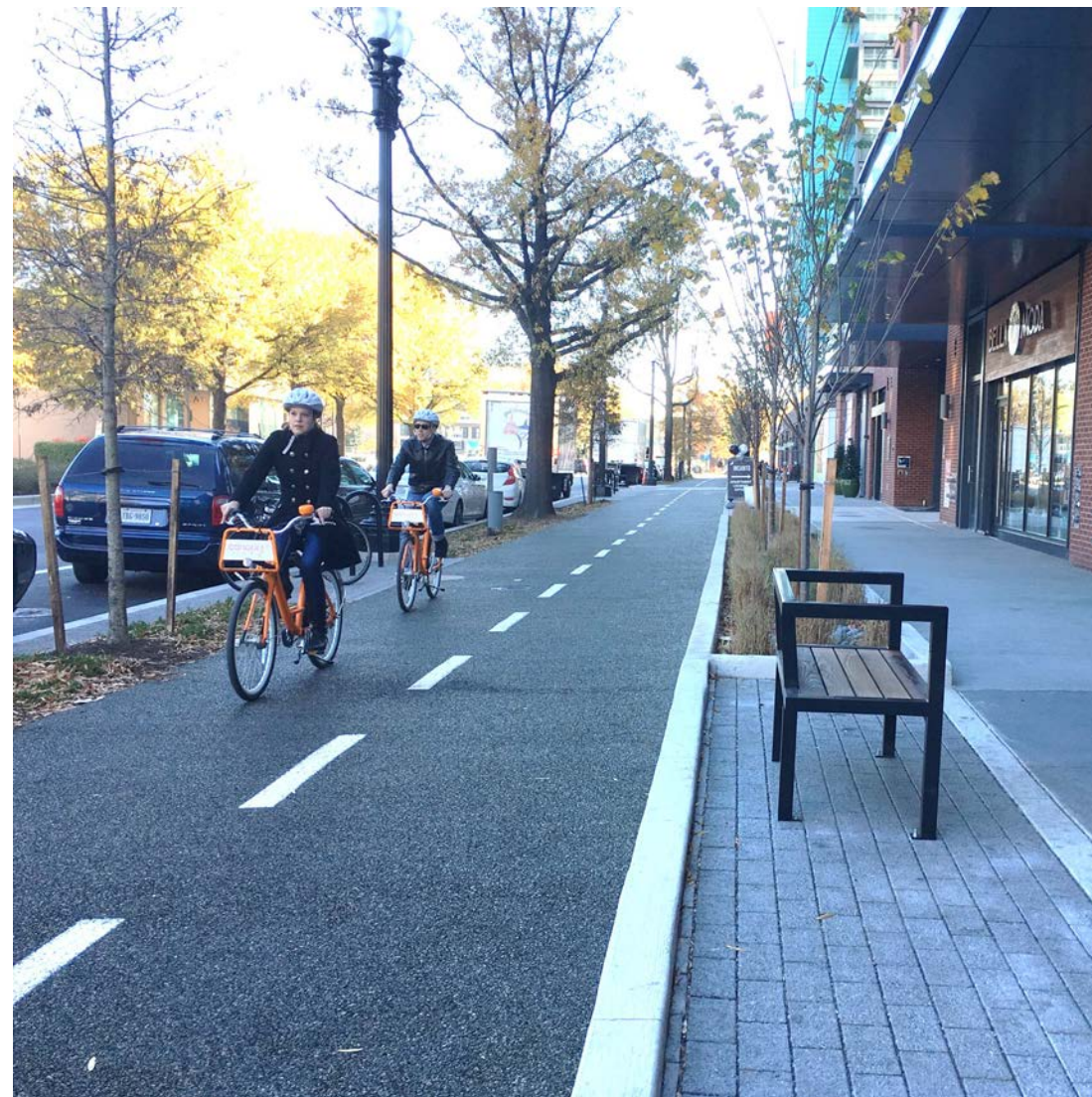




## Highways 6+ Lanes High Activity Area



## Two-Way Separated Bike Lanes Both Sides of the Street





## Highways 6+ Lanes Low Activity Area



## Shared Use Paths Both Sides of the Street





## Arterial 2 – 4 Lanes High Activity Area



## One-Way Separated Bike Lanes Both Sides of the Street





## Arterial 2 – 4 Lanes Low Activity Area



## Shared Use Path One Side of the Road





## Commercial Streets High Activity Area



## One-Way Separated Bike Lanes Both Sides of the Street





## Residential Streets Low Activity Area



## Shared Use Paths, Bike Lanes or Advisory Bike Lanes





## Residential Streets Paralleling Major Roads



## Neighborhood Greenways





## Country Roads Rural Area



Source: FAMARTIN

## Bikeable Shoulders





# Protected Intersections



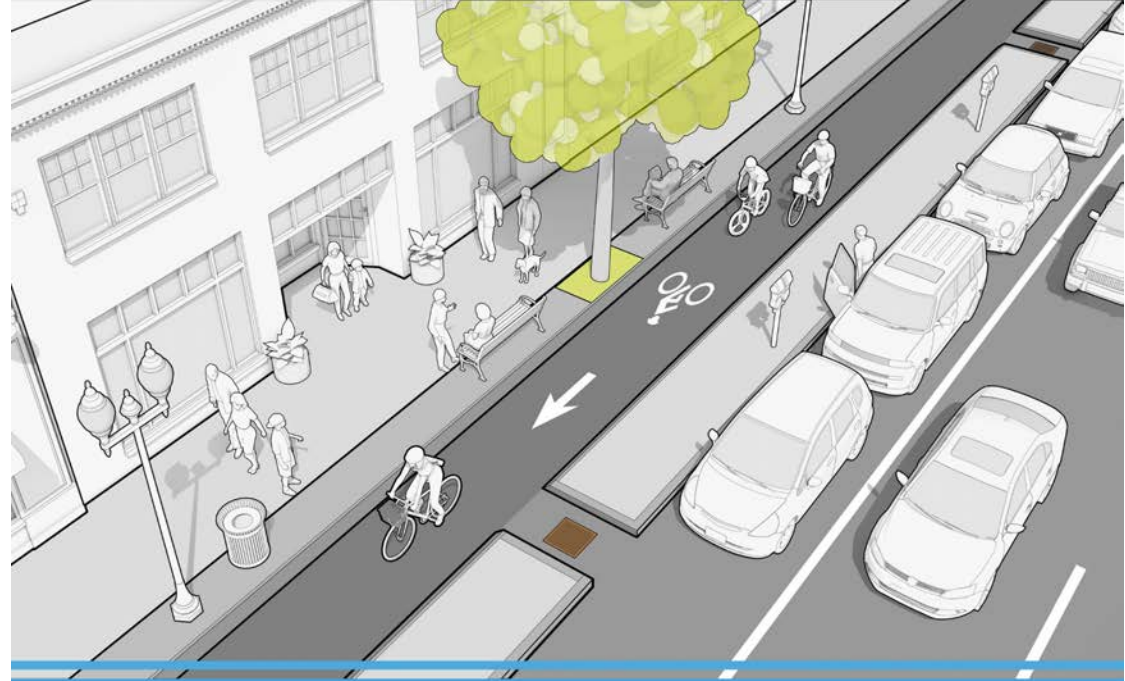
Source: John Greenfield



MONTGOMERY  
COUNTY

BICYCLE  
FACILITY DESIGN  
TOOLKIT

[montgomeryplanning.org/bikeplan](http://montgomeryplanning.org/bikeplan)



MONTGOMERY COUNTY PLANNING DEPARTMENT

BICYCLE FACILITY  
DESIGN TOOLKIT

MAY 2018



MONTGOMERY COUNTY PLANNING DEPARTMENT



# KEY FEATURE #2

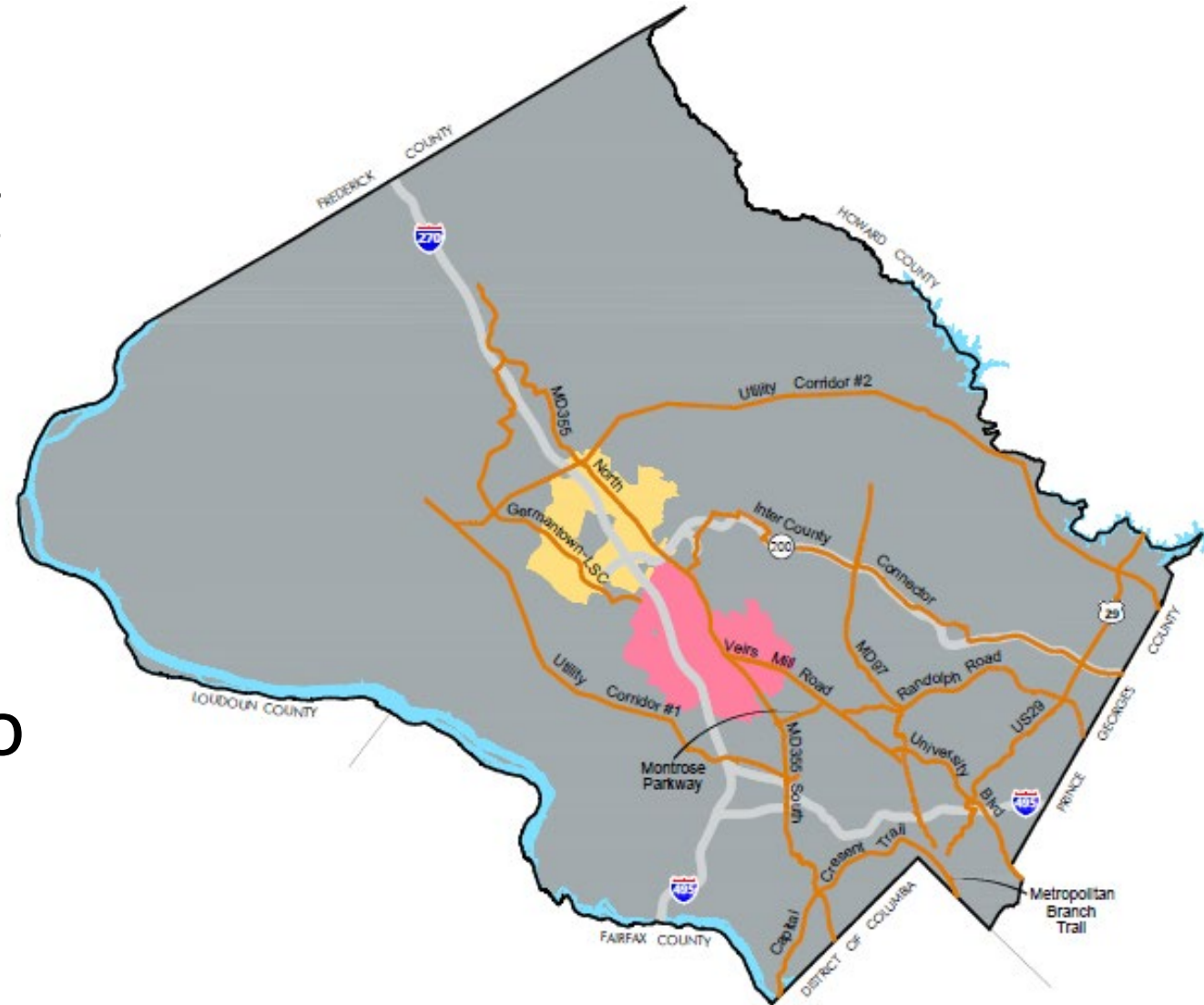
## BREEZEWAY NETWORK





# Breezeway Network

- Bicycle **network** connecting major activity centers
- Enables bicyclists to travel with **fewer delays**
- Enables slower moving pedestrians and bicyclists to safely / comfortably **coexist** with faster bicyclists







Source: City of Calgary Bike Program





Minneapolis, Minnesota













Source: Matt Kryger / The Star



# KEY FEATURE #3

## LONG-TERM BICYCLE STORAGE



Urban Location  
Washington, DC

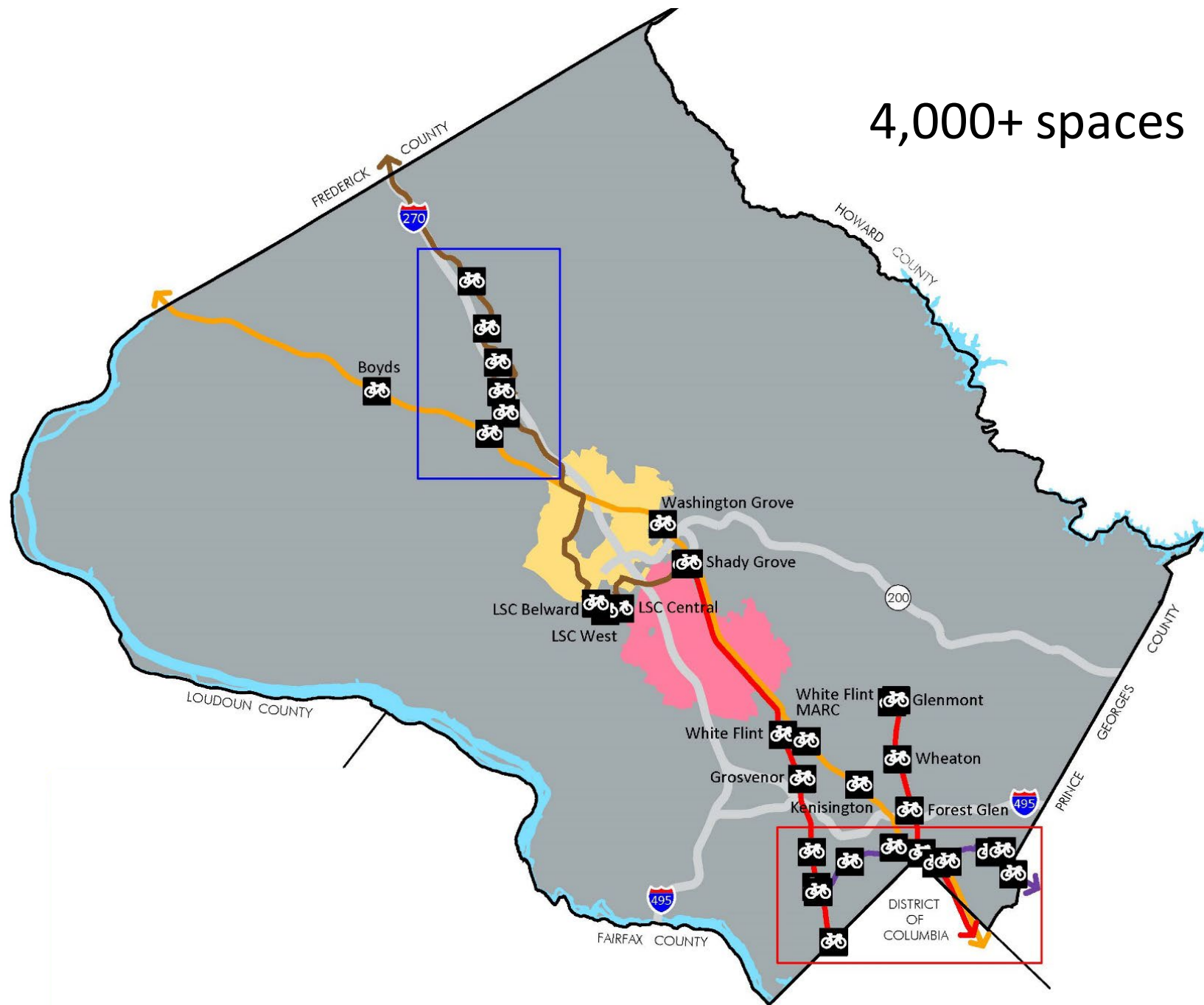


Suburban Location  
Boulder, Colorado





Bethesda: 500+ spaces





# GENERATING MOMENTUM



# TECHNIQUE #1

## BRINGING POLICYMAKERS ON BOARD



Source: Armando Trull, WAMU



## Video Examples



## Stress Tolerance Levels

- ☒ **Very High**  
(very few adults will bicycle)
- ☐ **High**  
(few adults will bicycle)
- ☐ **Moderate High**  
(some adults will bicycle)
- ☐ **Moderate Low**  
(many adults will bicycle)
- ☐ **Low (LTS 2)**  
(most adults will bicycle)
- ☐ **Very Low**  
(all adults & some children will bicycle)
- ☐ **None**  
(everyone will bicycle)

## CREATE YOUR OWN ANALYSIS

- ☐ Map My Bikeshed
- ☐ Map My Route

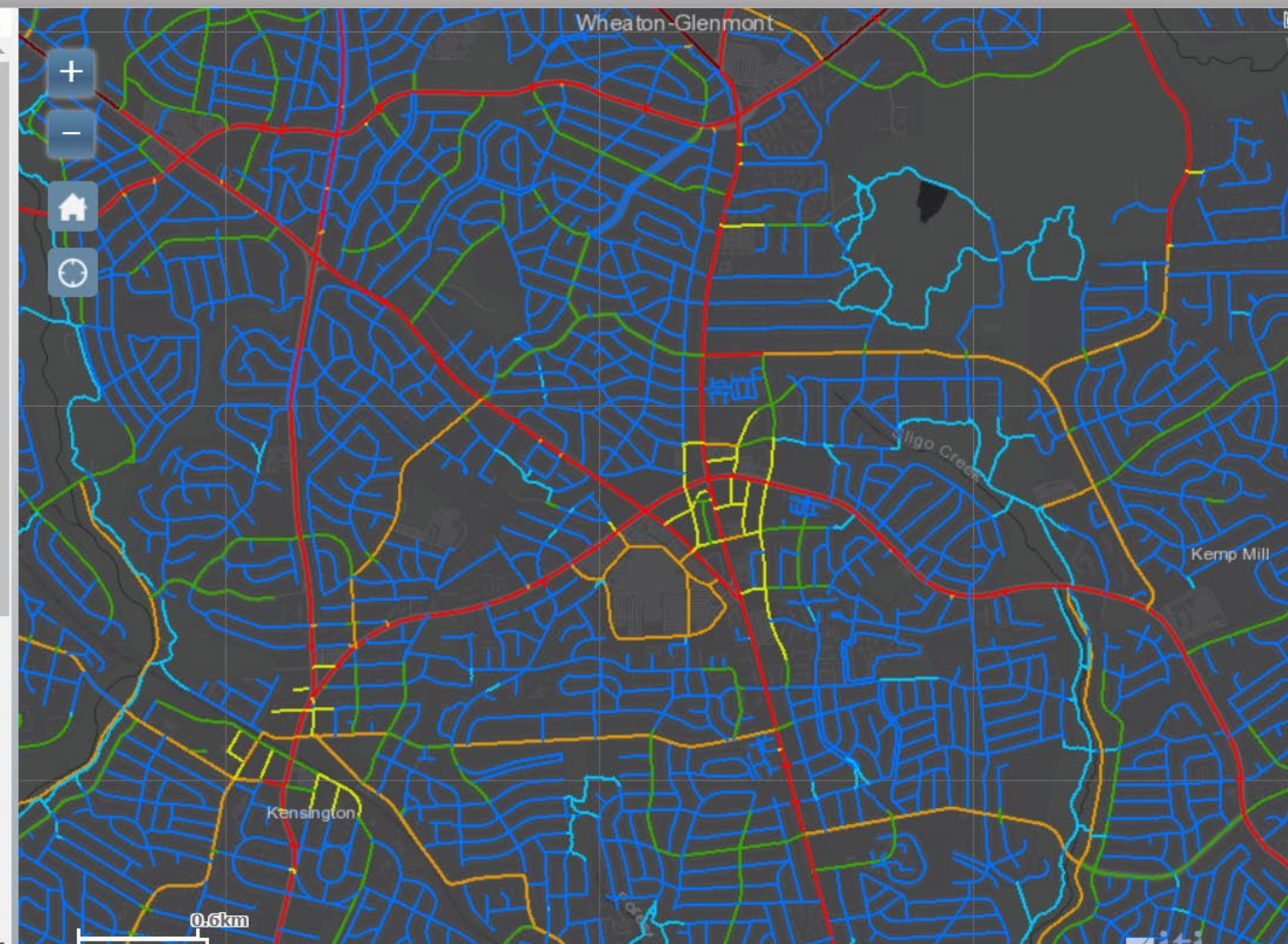
## CONNECTIVITY ANALYSIS

Check Layer and click point for analysis

## Transit Stations

- ☐ Red Line
- ☐ MARC Brunswick Line
- ☐ Purple Line (planned)
- ☐ Corridor Cities Transitway (planned)

## Public Schools





[What is Traffic Stress?](#)[Stress Tolerance Levels](#)[Switch Basemap](#)[Print](#)

## Video Examples

### HIGH STRESS

Shady Grove Road



### MODERATE-LOW STRESS

Security Lane



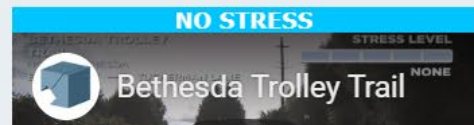
### LOW STRESS

Muddy Branch Road



### NO STRESS

Bethesda Trolley Trail



## Stress Tolerance Levels

- ☒ **Very High**  
(very few adults will bicycle)
- ☐ **High**  
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(all adults & some children will bicycle)
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(everyone will bicycle)

## CREATE YOUR OWN ANALYSIS

☐ Map My Bikeshed☐ Map My Route

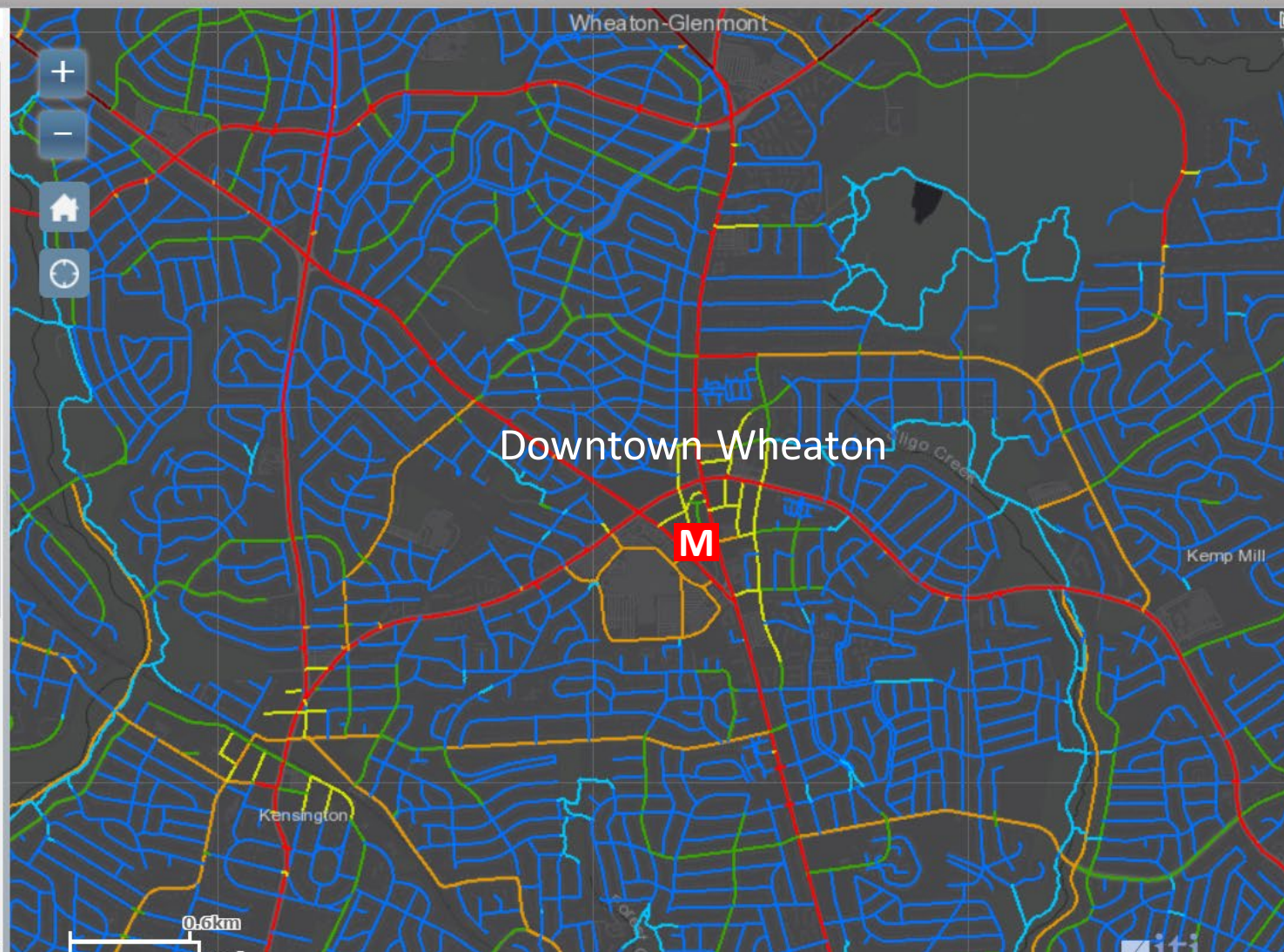
## CONNECTIVITY ANALYSIS

Check Layer and click point for analysis

## Transit Stations

☐ Red Line☐ MARC Brunswick Line☐ Purple Line (planned)☐ Corridor Cities Transitway (planned)

## Public Schools



[www.mcatlas.org/bikestress](http://www.mcatlas.org/bikestress)



# Shady Grove Road



## Security Lane



## Muddy Branch Road



## Bethesda Trolley Trail



- **Very High**  
(very few adults will bicycle)
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- **Very Low**  
(all adults & some children will bicycle)
- **None**  
(everyone will bicycle)

## CREATE YOUR OWN ANALYSIS

- ☐ Map My Bikeshed
- ☐ Map My Route

## CONNECTIVITY ANALYSIS

Check Layer and click point for analysis

### Transit Stations

- ☐ Red Line
- ☐ MARC Brunswick Line
- ☐ Purple Line (planned)
- ☐ Corridor Cities Transitway (planned)

## Public Schools





Two Mile Buffer

M

650

# GLENMONT



Red Line Station

## Bicycle Network



Comfortable



Uncomfortable

## Bike Shed



Comfortable



Uncomfortable



# TECHNIQUE #2

## BUILDING A CONSTITUENCY





# TECHNIQUE #2

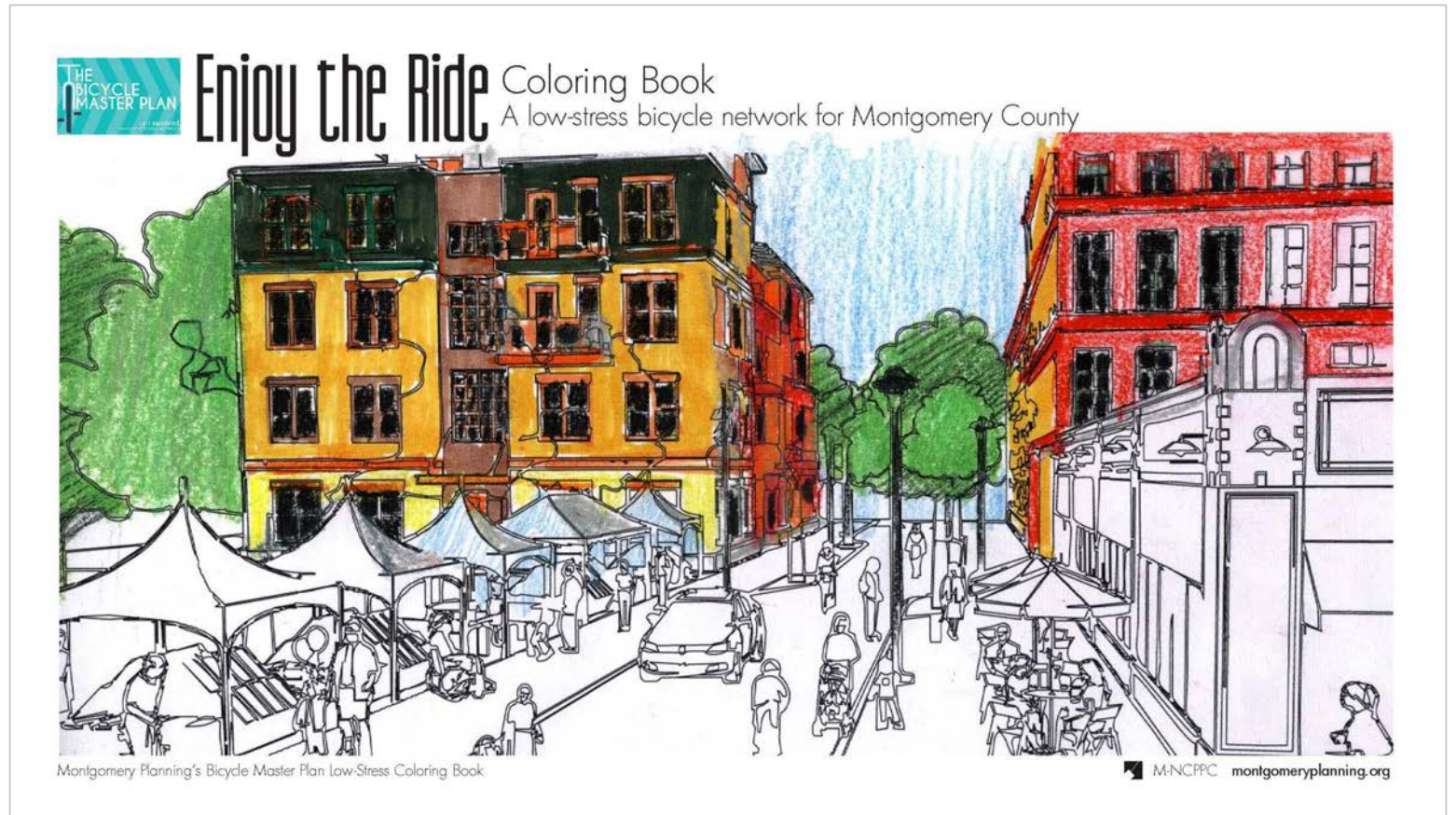
## BUILDING A CONSTITUENCY





# TECHNIQUE #2

## BUILDING A CONSTITUENCY





# TECHNIQUE #2

## BUILDING A CONSTITUENCY



**WABA**  
WASHINGTON AREA  
BICYCLIST ASSOCIATION



# TECHNIQUE #2

## BUILDING A CONSTITUENCY

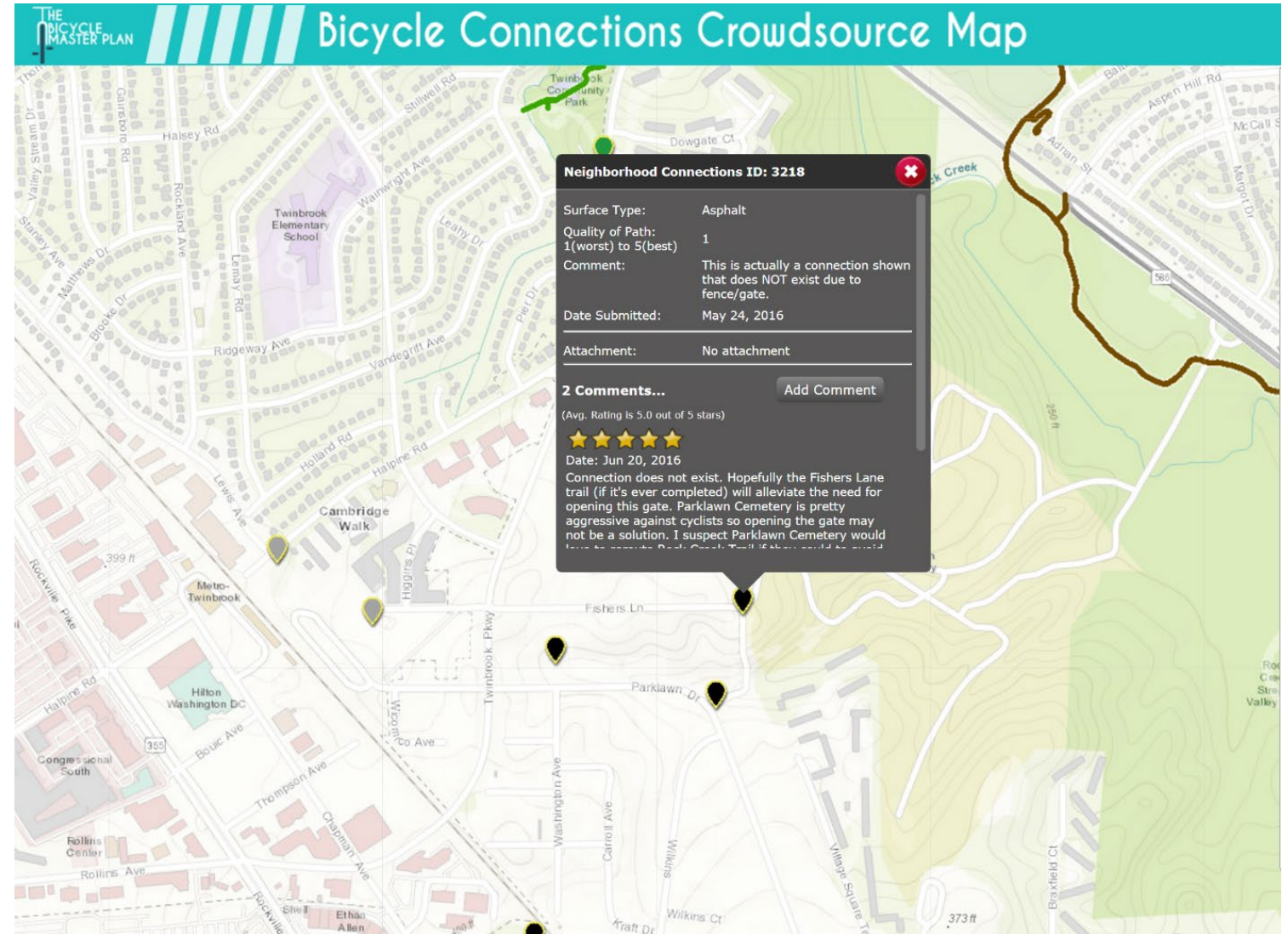


- Action Committee for Transit
- African American Chamber of Commerce
- Bethesda Transportation Solutions
- CASA de Maryland
- Hispanic Chamber of Commerce
- Mid-Atlantic Off-Road Enthusiasts
- Montgomery Bicycle Advocates
- Montgomery County Chamber of Commerce
- Montgomery County Civic Federation
- Pedestrian Bicycle Traffic Safety Advisory Committee
- Silver Spring Citizens Advisory Board
- Washington Area Bicyclist Association



# TECHNIQUE #2

## BUILDING A CONSTITUENCY





# TECHNIQUE #2

## BUILDING A CONSTITUENCY



### COLESVILLE AREA COMMUNITY BIKE RIDE

PLANNING BOARD CHAIR CASEY ANDERSON (CONFIRMED)

Please join us in a bike ride around the Colesville area. Community member Paul Daisey will lead the ride to highlight bicycling conditions along the route. A discussion about the Bicycle Master Plan will be held immediately afterward.

#### **BIKE RIDE:**

**WHEN:** SUNDAY, OCTOBER 30  
ARRIVE: 10:00 A.M.  
DEPART: 10:15 A.M.  
RETURN: 11:45 A.M.

**WHERE:** STARTING AT THE COLESVILLE PARK-AND-RIDE LOT  
13504 NEW HAMPSHIRE AVE, SILVER SPRING, MD

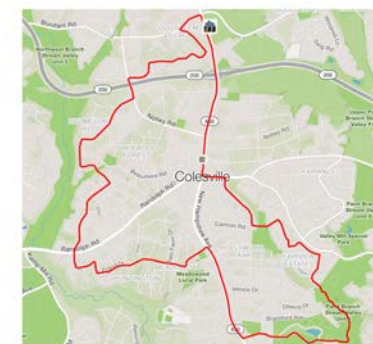
**ROUTE:** SEE RIGHT

#### **DISCUSSION:**

**WHEN:** 12:00 - 1:00 P.M.

**WHERE:** DOMINICS ITALIAN GRILLE  
12854 NEW HAMPSHIRE AVE., SILVER SPRING, MD

**RSVP:** DAVID ANSPACHER,  
DAVID.ANSPACHER@MONTGOMERYPLANNING.ORG

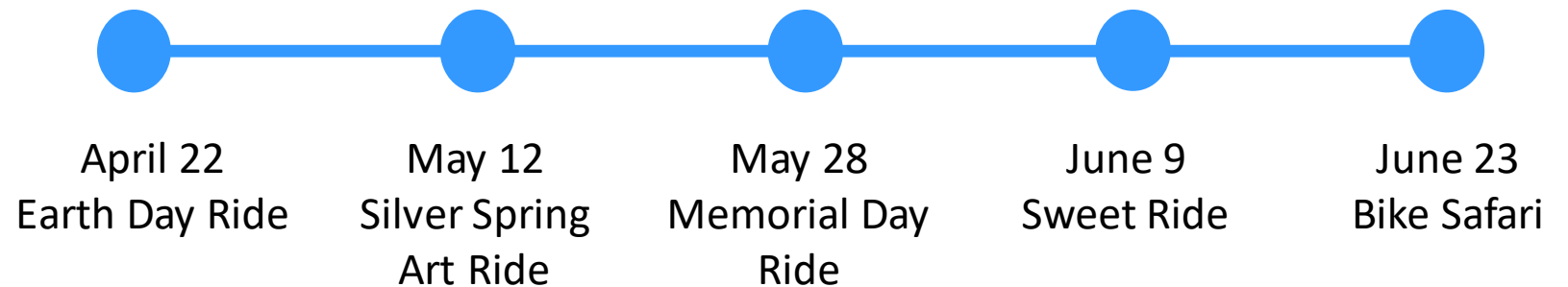


**NOTE:** While this bicycle ride is open to everyone, be advised that some road segments may be uncomfortable and inappropriate for some people. Please consult the Montgomery County Bicycle Stress Map at [mcatlas.org/bikestress](http://mcatlas.org/bikestress)



# TECHNIQUE #2

## BUILDING A CONSTITUENCY





# TECHNIQUE #2

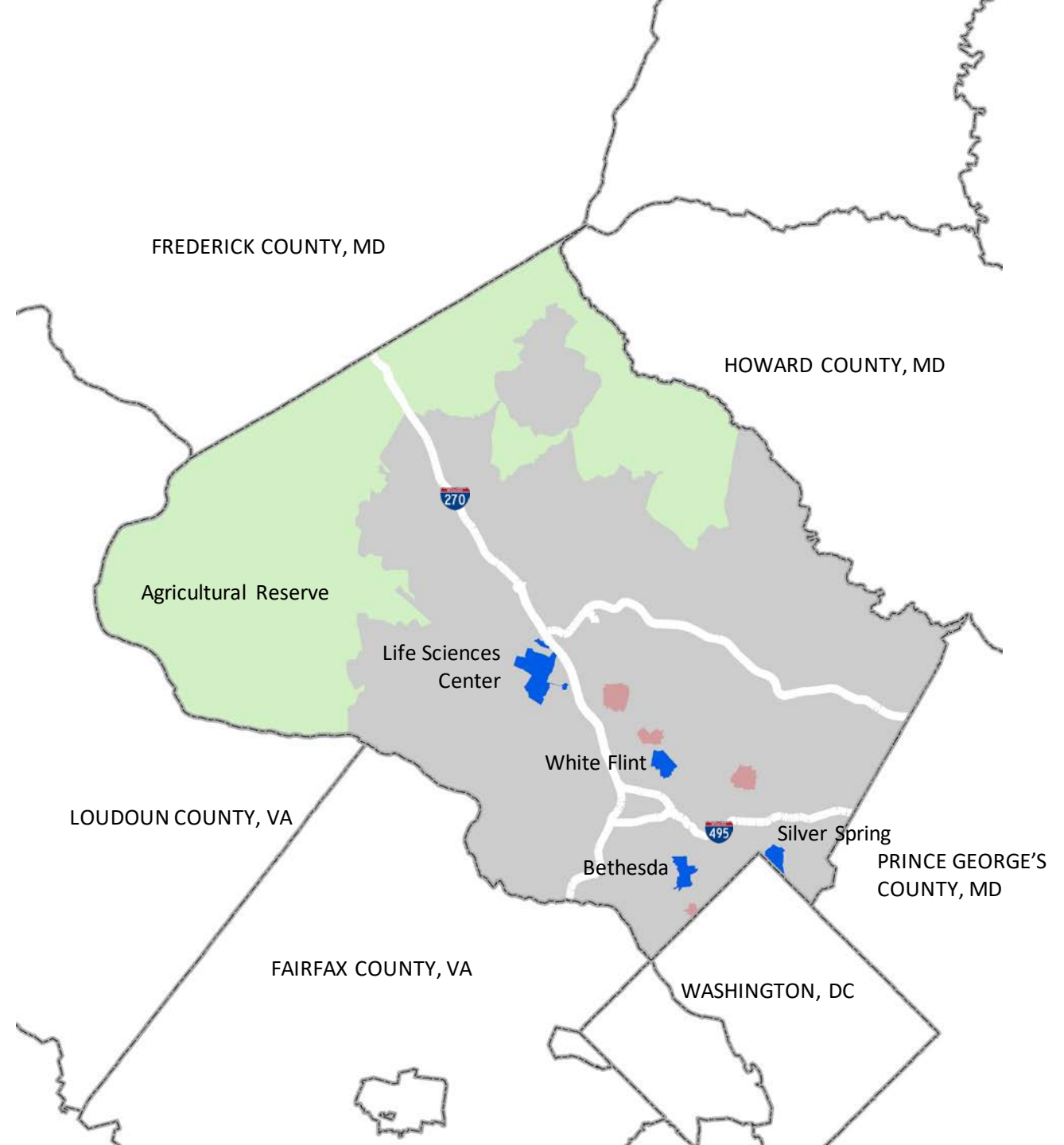
## BUILDING A CONSTITUENCY





# TECHNIQUE #3

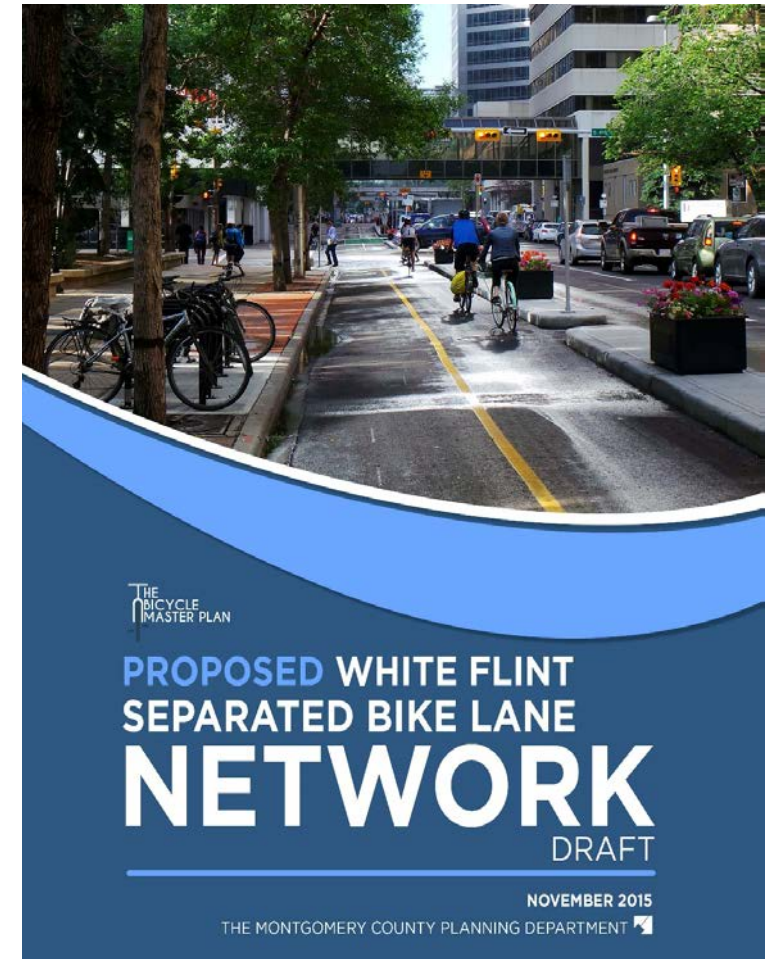
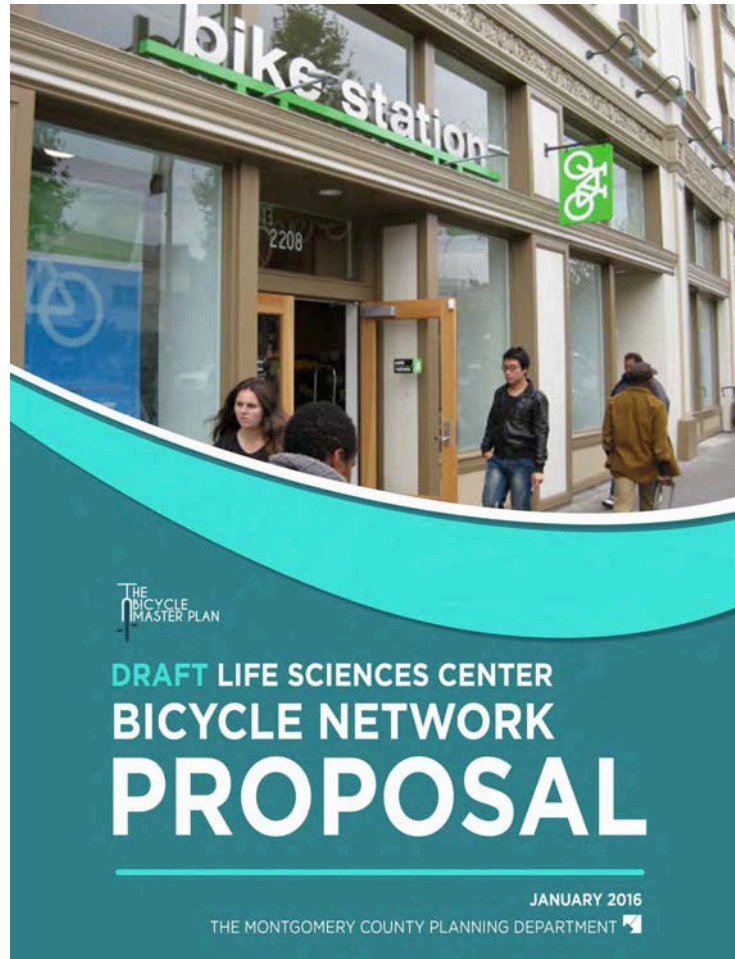
## FOCUS ON EARLY WINS





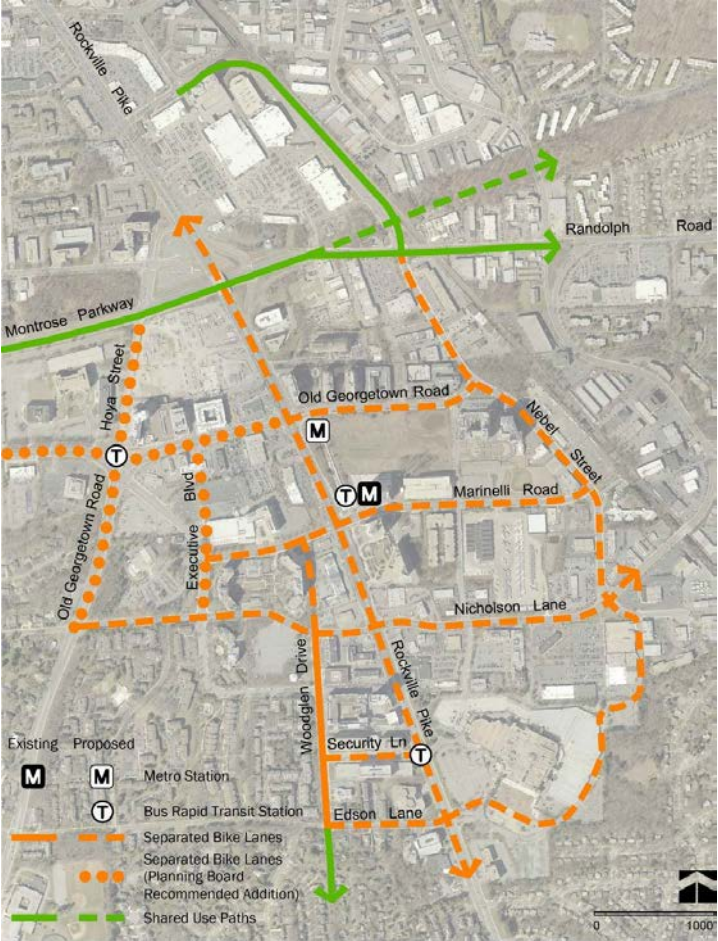
# TECHNIQUE #3

## FOCUS ON EARLY WINS

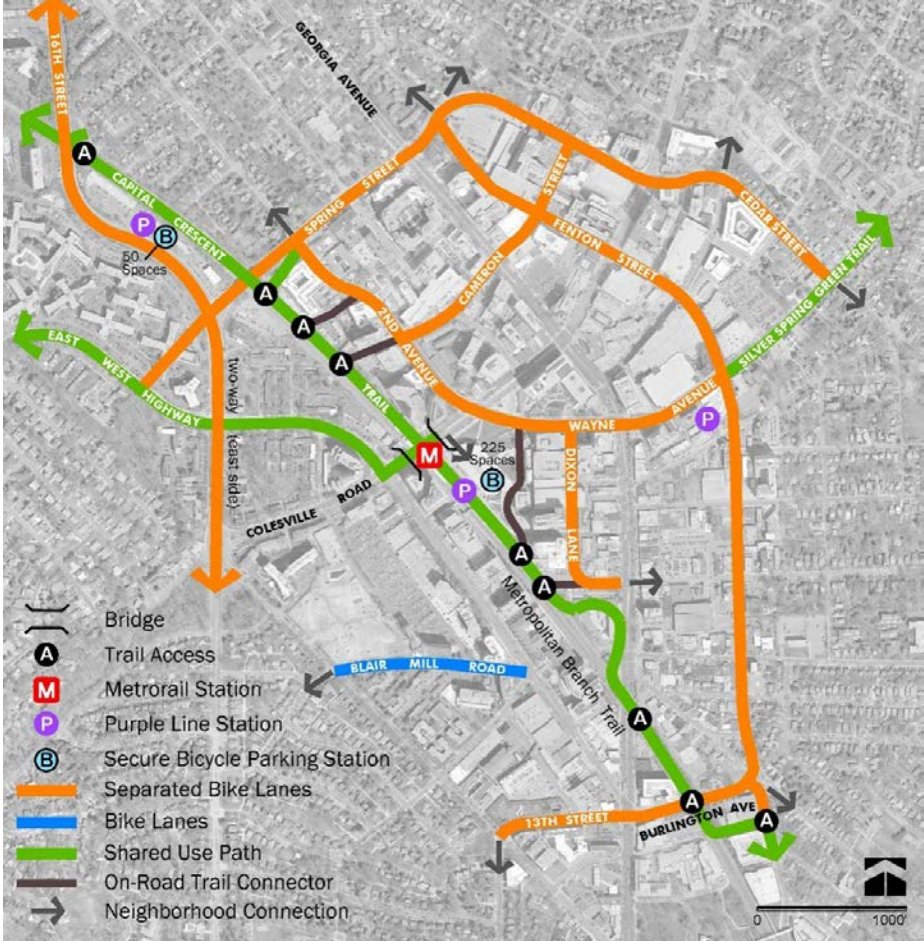




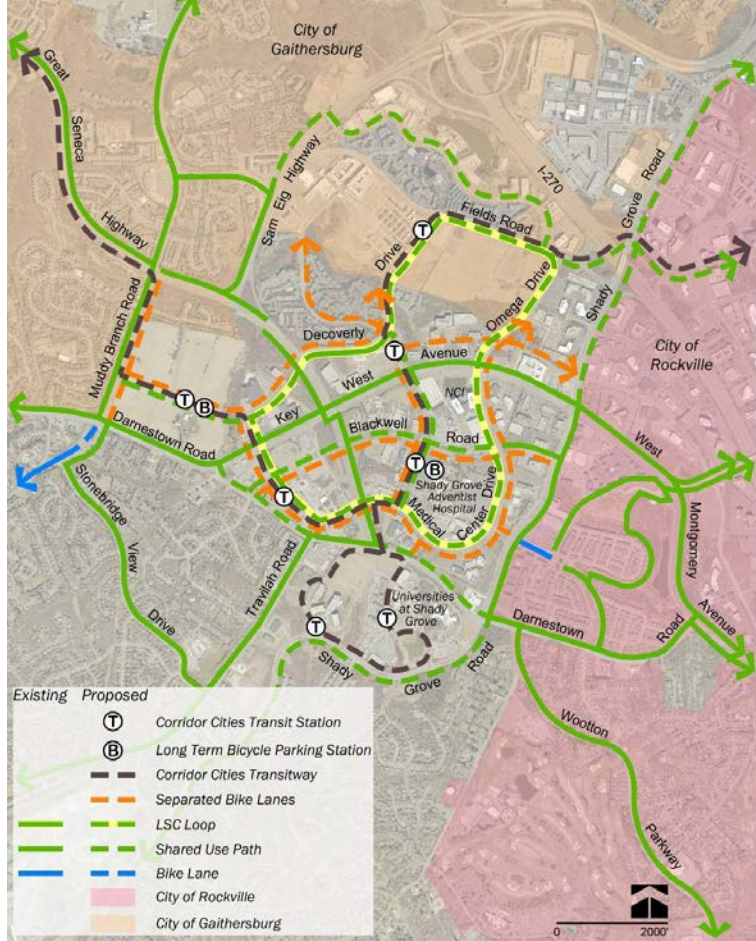
# White Flint



# Silver Spring



# Life Sciences Center





# RESULTS





## David Anspacher, Montgomery County Planning Department

david.anspacher@montgomeryplanning.org  
montgomeryplanning.org/bikeplan  
@mcbikeplan

## Peter Gray, Washington Area Bicyclist Association

peter@waba.org  
www.waba.org  
@wabadc