



VISION ZERO

**NO TRAFFIC DEATHS BY 2030
IN MONTGOMERY COUNTY**

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**OUR PLAN TO ELIMINATE FATALITIES AND
SEVERE INJURIES ON OUR ROADS BY 2030**

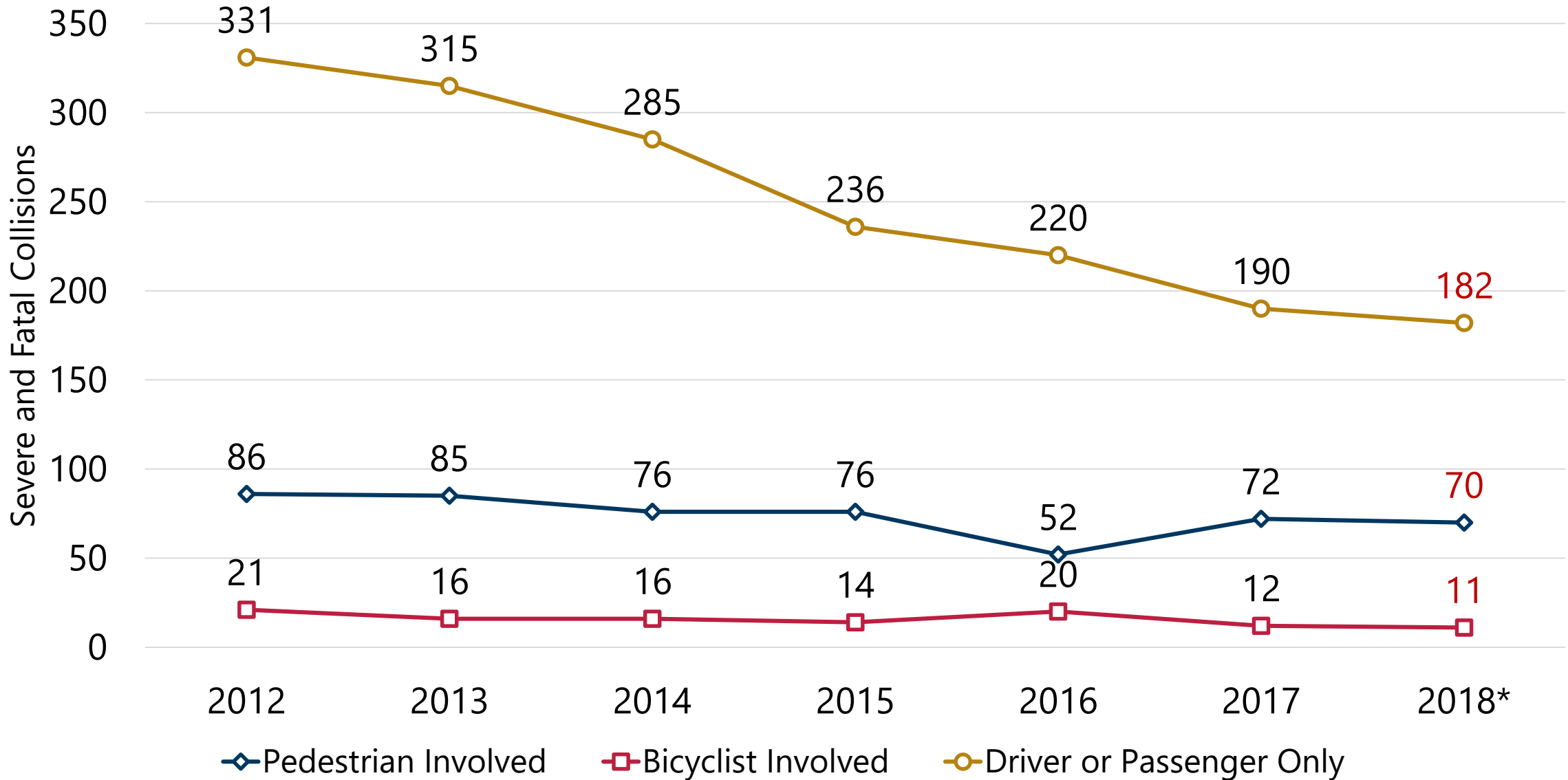
TWO-YEAR ACTION PLAN • PRESENTATION TO CIVIC FEDERATION • 02/11/19



VISION ZERO DATA ANALYSIS

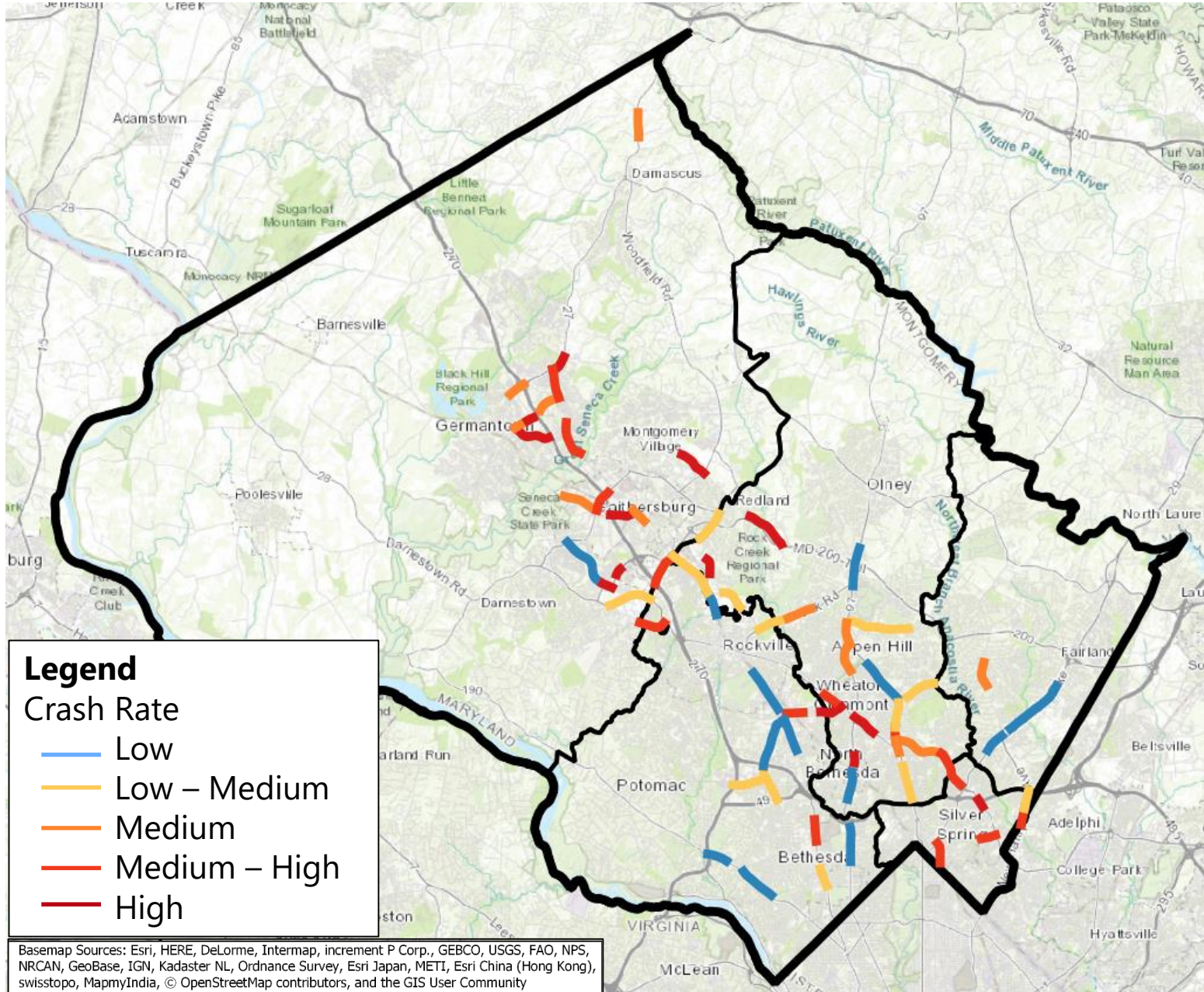


SEVERE AND FATAL COLLISIONS BY YEAR



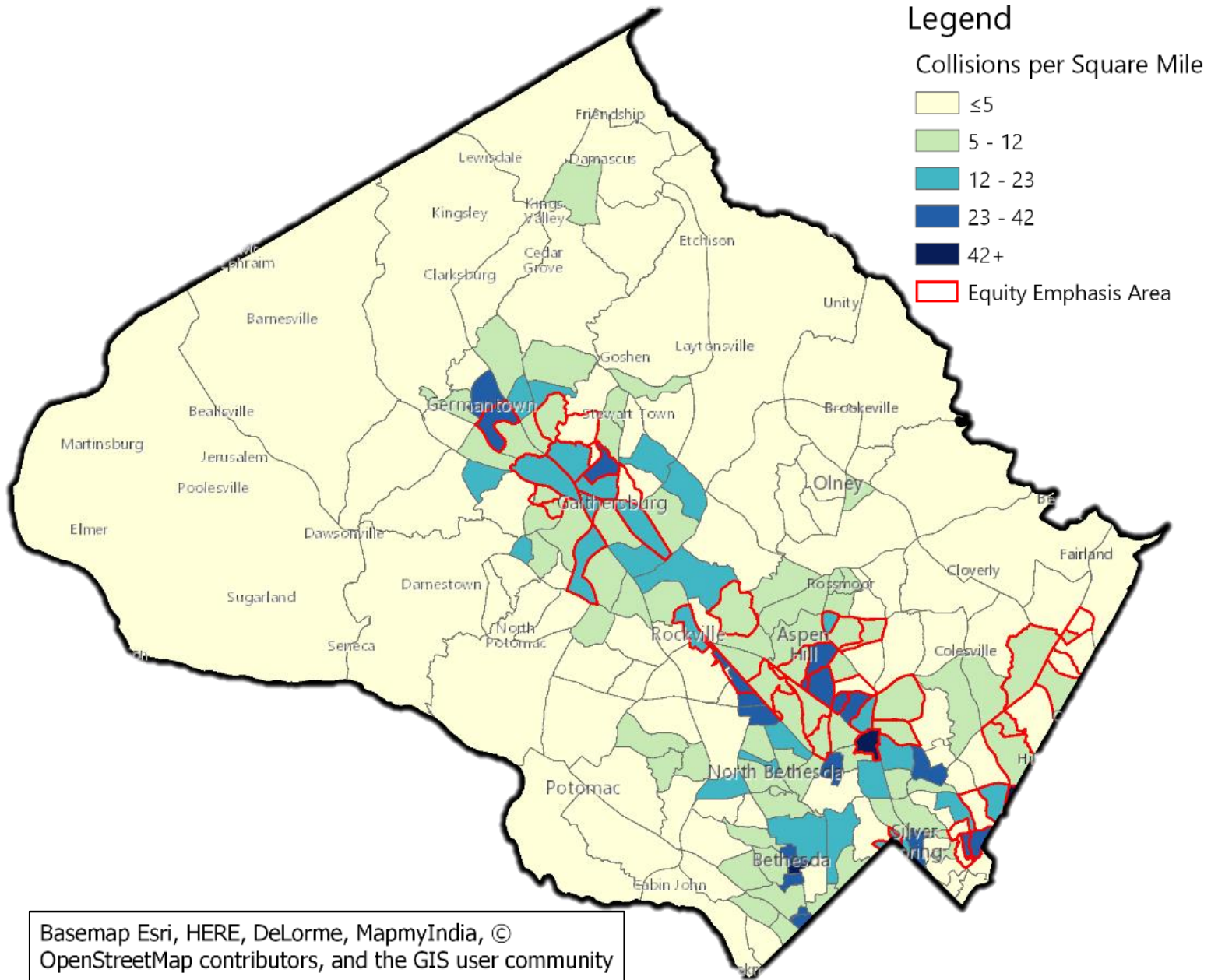
*2018 data are preliminary and subject to change

HIGH INJURY NETWORK



The High Injury Network (HIN) identifies roadway segments that have a higher amount of crashes (at least one crash per mile per year) relative to the amount of traffic on that road. MCDOT will use this initial list to identify roadways for engineering improvements.

SEVERE AND FATAL COLLISIONS BY CENSUS TRACT



Crash Density was <u>higher</u> in neighborhoods with...	
Higher ↑	Percentage of households that speak English less than "very well"
Higher ↑	Percentage of population that is Hispanic or Latino
Higher ↑	Percentage of households below the poverty level
Lower ↓	Median age

Basemap Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community



VISION ZERO TREATMENTS



CREATING COMPLETE STREETS

PEDESTRIAN SCRAMBLE



Photo Credit: Flickr/[tilex](#),
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PROTECTED BIKE LANES



Photo Credit: MCDOT, Used with permission

PEDESTRIAN HYBRID SIGNALS (HAWK BEACON)

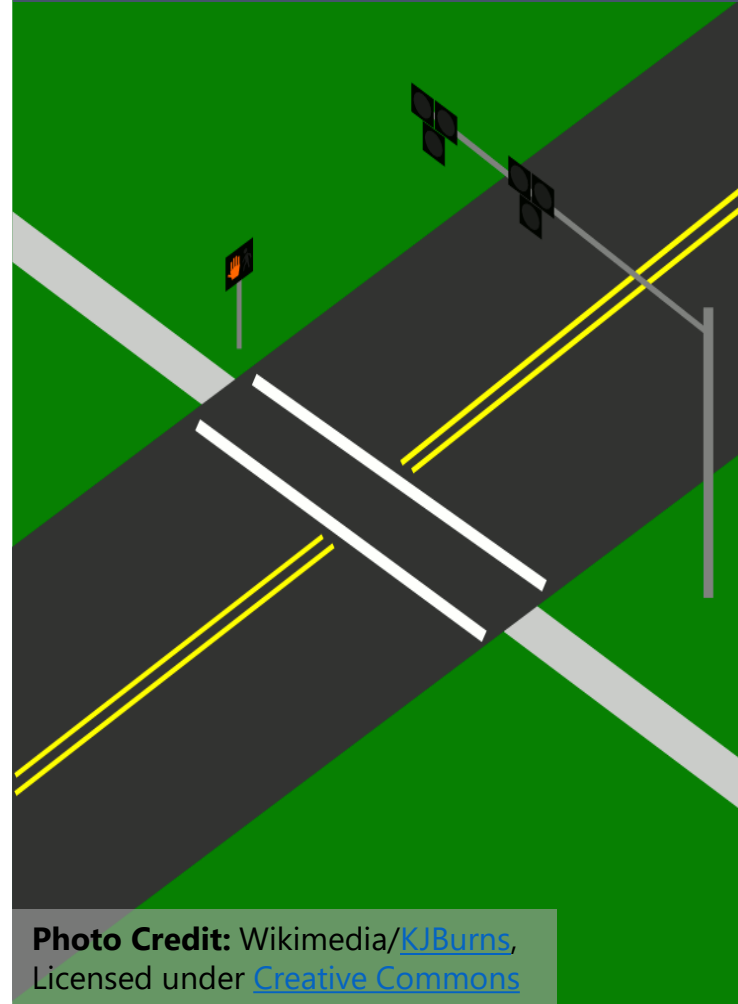


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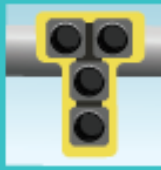



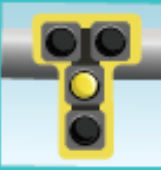





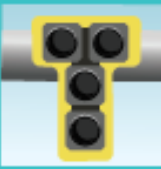
SIGNAL TIMING



LIGHTING



HAWK SIGNAL PHASES

	Will see this...	Will do this...	Will see this...	Will do this...
PEDESTRIANS		Push button to call for the WALK signal		Proceed
		Wait (It may take up to 30 seconds for the signal to change)		Proceed with Caution (signal has been activated)
		Wait		Slow down and prepare to STOP
		Start crossing after you see the WALK signal (Be sure traffic has stopped)		STOP!
		Continue Crossing (countdown signal)		STOP!
		Upon completion of the cycle the pedestrian signal will return to the Do Not Cross hand symbol		Proceed if clear

MOTORISTS

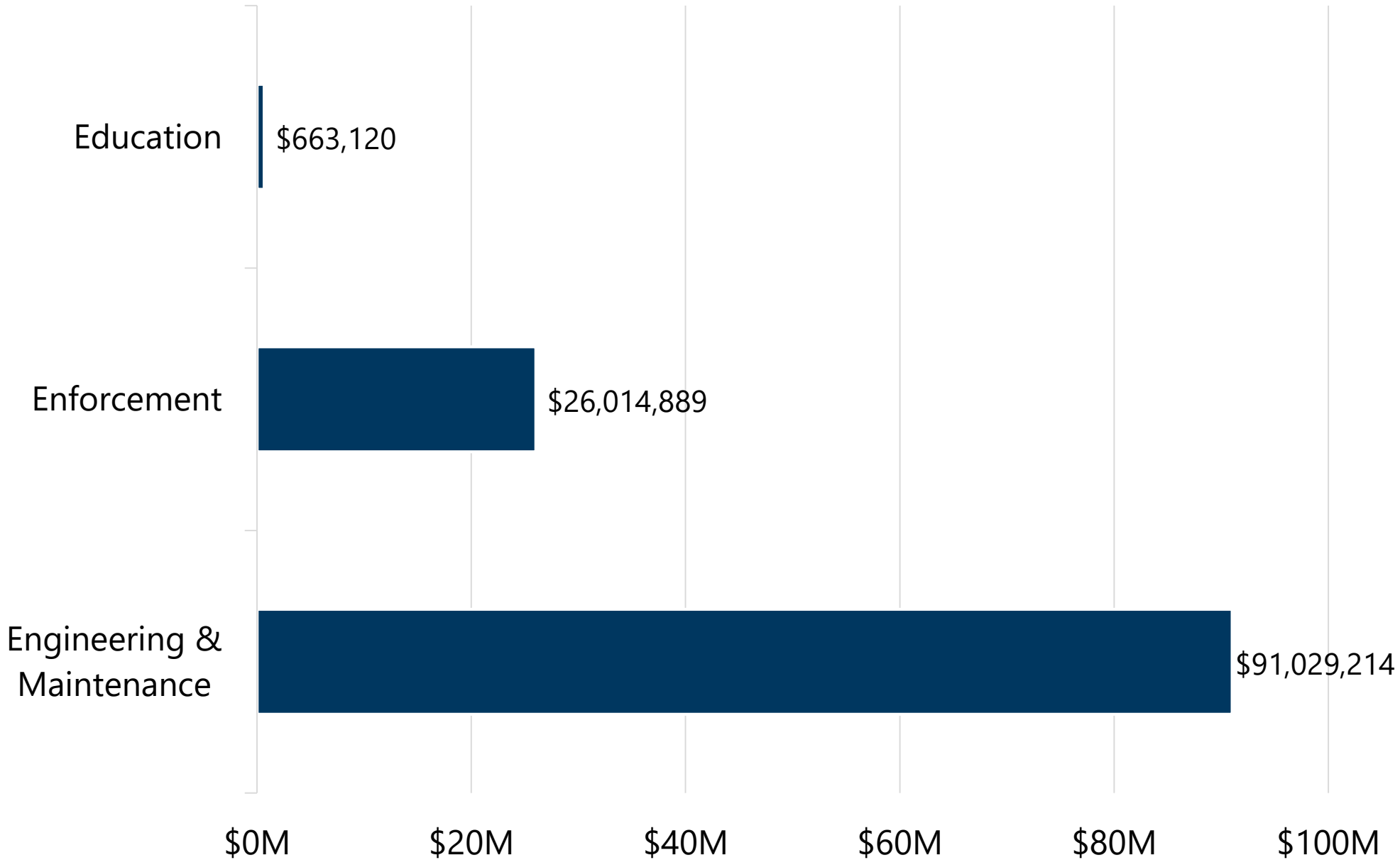
For pedestrians, the signal phases on a pedestrian hybrid beacon (HAWK) signal are the same as a traditional traffic signal. For drivers, the major difference is that there is no green light, they may proceed when the signal goes dark.



VISION ZERO PROJECTS



FY19 VISION ZERO OPERATING AND CAPITAL BUDGET



\$117,707,223 is allocated for Vision Zero related work and projects across the capital and operating budgets for the current fiscal year (FY19). These funds are used to build bike lanes, sidewalks, manage the traffic lights, street outreach to pedestrians, and our automated enforcement program.

FY19 – FY24 CIP COUNTYWIDE PROGRAMS FOR VISION ZERO



Project	FY19 – FY24 Budget	Project Details
Traffic Signals	\$32,010,000	Design, construction, and maintenance of vehicular and pedestrian signals
Sidewalk & Curb Replacement	\$30,900,000	Project provides for the removal and replacement of damaged or deteriorated sidewalks, curbs, and gutters.
Bicycle-Pedestrian Priority Area Improvements	\$15,100,000	Design and construction of bicycle and pedestrian improvements in 34 designated BiPPA areas.
Sidewalk Program Minor Projects	\$14,732,000	Construct new sidewalks
Pedestrian Safety	\$13,200,000	Provides new crosswalks, refuge islands, sidewalks, signals, signs, etc to improve pedestrian infrastructure
Intersection and Spot Improvements	\$12,376,000	Address additional intersections to address congestion relief and safety issues
Bikeway Program Minor Projects	\$9,575,000	Construct bicycle facilities that cost less than \$1M
Neighborhood Traffic Calming	\$1,860,000	Planning, design, and construction of physical traffic control features in residential neighborhoods

NOTES: The table above reflects county-wide projects and does not represent specific projects such as the Bethesda Bikeway and Pedestrian Facilities at \$4.45M for the 6 year budget.
 Reflects the FY20 County Executive recommended budget and subject to approval by County Council.

WHEATON ENHANCEMENTS

Curb markings

MCDOT DTEO installed English and Spanish curb markings that discourage dangerous pedestrian activity on MD 97 (Georgia Ave.), from Price Ave. to Reedie Dr.

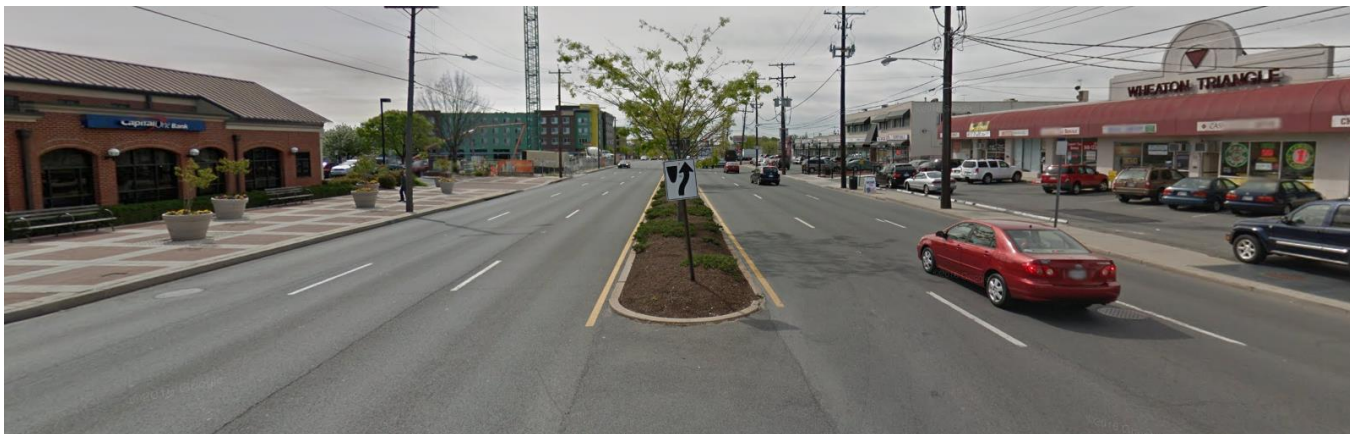


Median Changes



MCDOT DTEO is working with MDOT SHA to install a median fence along MD 97 (Georgia Ave.) from Price Ave. to Reedie Dr., similar to the one pictured above, along MD 586 (Veirs Mill Rd.)

Lane Narrowing



MDOT SHA restriped lane outside lane widths to 12 feet for buses and inside lanes to 10 feet on MD 97 (Georgia Ave.) from White Oak Dr to MD 193 (University Blvd.)

Utilizing resources from the County and State, there have been numerous activities within the Wheaton CBD to improve pedestrian safety. The State and County sponsored street teams to increase safety education. The State narrowed travel lanes on Georgia Ave to slow speeds. The County will install a fence and curb markings along MD 97 to steer pedestrians towards the crosswalks.

Muddy Branch Rd & Harmony Hall Rd HAWK Signal



To improve pedestrian safety, MCDOT DTEO is installing HAWK signals at:

- Muddy Branch Rd. & Harmony Hall Rd.
- Randolph Rd. & Livingston St.
(originally proposed a HAWK but converted to full-color signal for sight distance deficiencies)
- Aspen Hill Road & Northgate Shopping Center
- Democracy Blvd. & Walter Johnson HS
- Willard Ave. & The Hills Plaza

RECTANGULAR RAPID FLASHING BEACONS (RRFBs)

RRFB on Bel Pre Road



Rectangular Rapid Flashing Beacons (RRFBs) are another tool to direct drivers' attention towards pedestrian activity. To improve pedestrian safety, MCDOT DTEO installed RRFBs at:

- Bel Pre Rd. & Astrodome Dr.
- Bel Pre Rd. & Tynewick Dr.
- Bel Pre Rd. & Weeping Willow Dr.
- Westlake Dr. & Lakeview Dr.

Additional MCDOT DTEO RRFBs are proposed at:

- Forest Glen Rd. & Sligo Creek Park Trail (design completed)
- Muddy Branch Rd. & Muddy Branch Square Shopping Center (under construction)



To improve pedestrian safety, MCDOT installed pedestal beacons along the PEPCO Natural Trail where roadway intersections are encountered, including:

- Schaeffer Rd.
- Black Rock Rd.
- MD 118 (Germantown Road)
- MD 28 (Darnestown Road)

M-NCPPC is considering installing pedestal beacons at other trail crossings throughout the County.

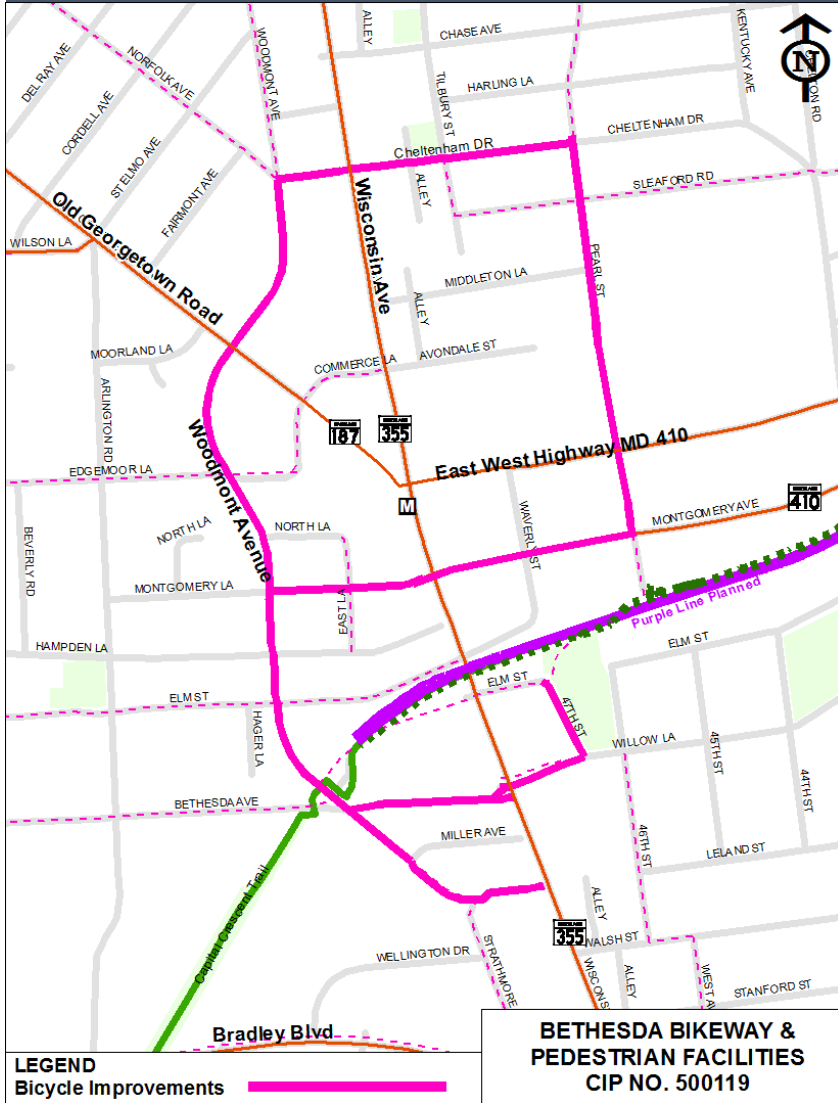


MCDOT is dedicated to ensuring safe pedestrian access to and from transit stops throughout the County. The Bus Stop Audits performed along transit corridors are an enhancement of existing efforts conducted in conjunction with our Pedestrian Road Safety Audits. The Bus Stop Audits satisfy ENG-4: Review Transit Stops from the Vision Zero Two-Year Action Plan. MCDOT DTEO has performed Bus Stop Audits for the following corridors:

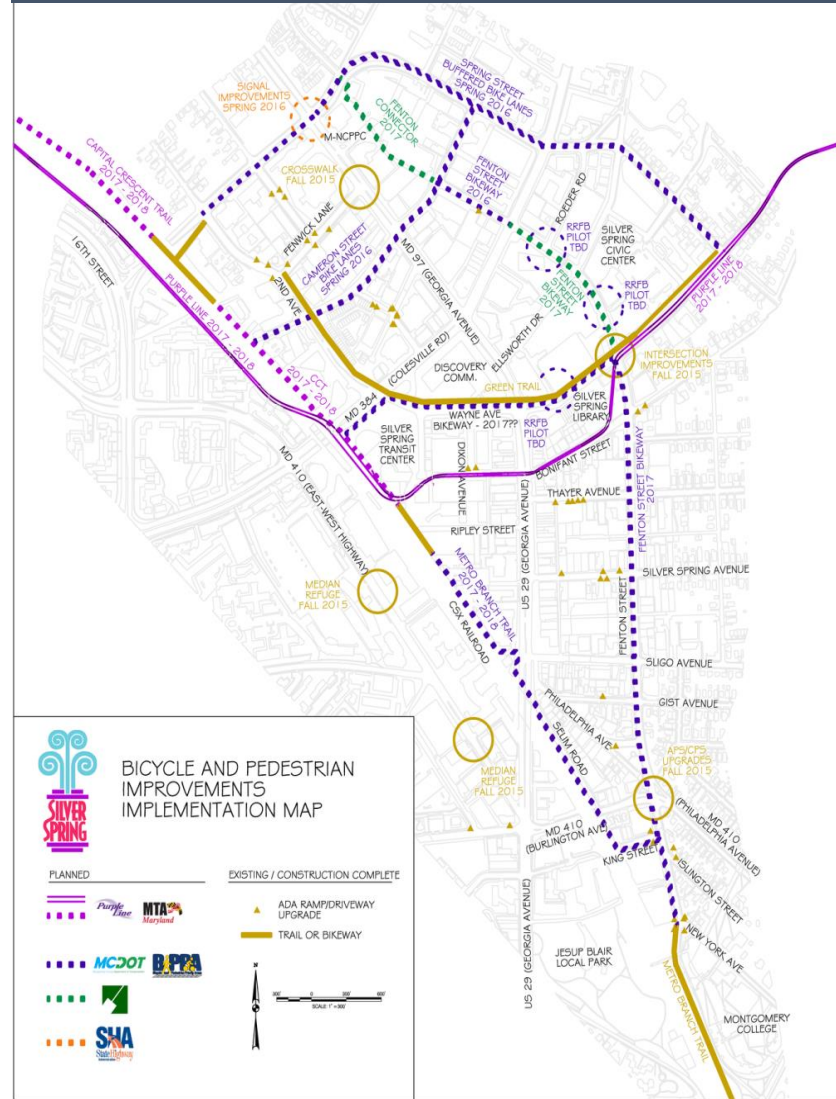
- Middlebrook Rd.
- MD 355 (Wheatfield Dr. to Middlebrook Rd.)
- Randolph (Rock Creek Park to Colie Dr.)
- Wheaton CBD

BIKE INFRASTRUCTURE

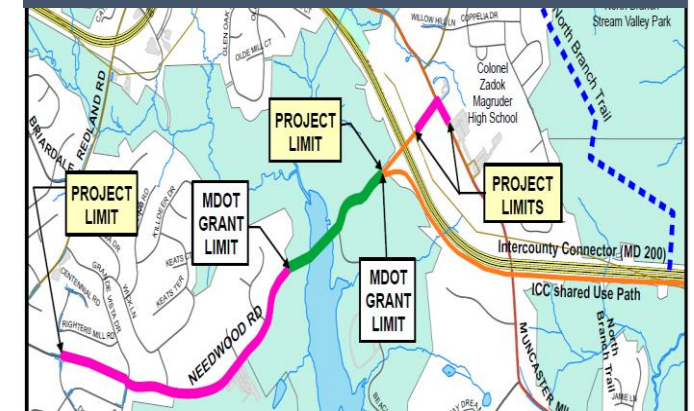
BETHESDA LOOP



SILVER SPRING BiPPA NETWORK



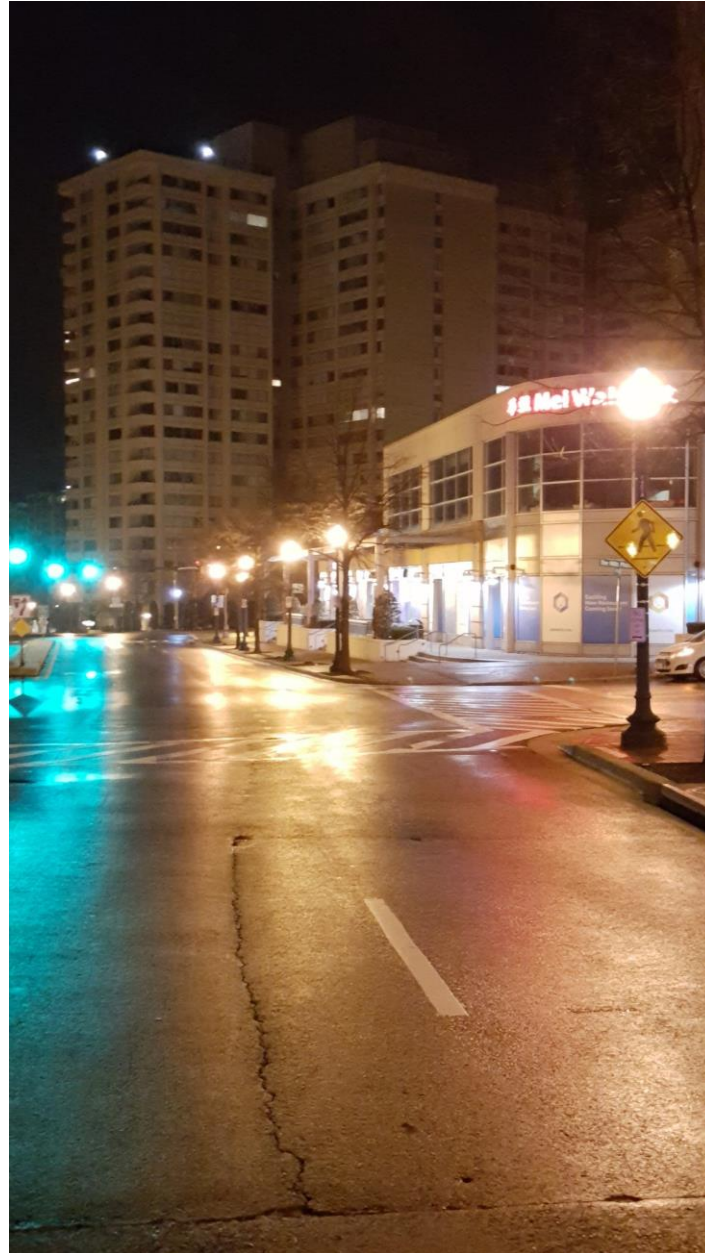
NEEDWOOD RD BIKE PATH



EXECUTIVE BLVD BIKE LANES



OTHER PED SAFETY PROJECTS



Lighting Studies

MCDOT has performed corridor lighting studies designed to determine lighting sufficiency and needs to improve safety for drivers, pedestrians and bicyclists.

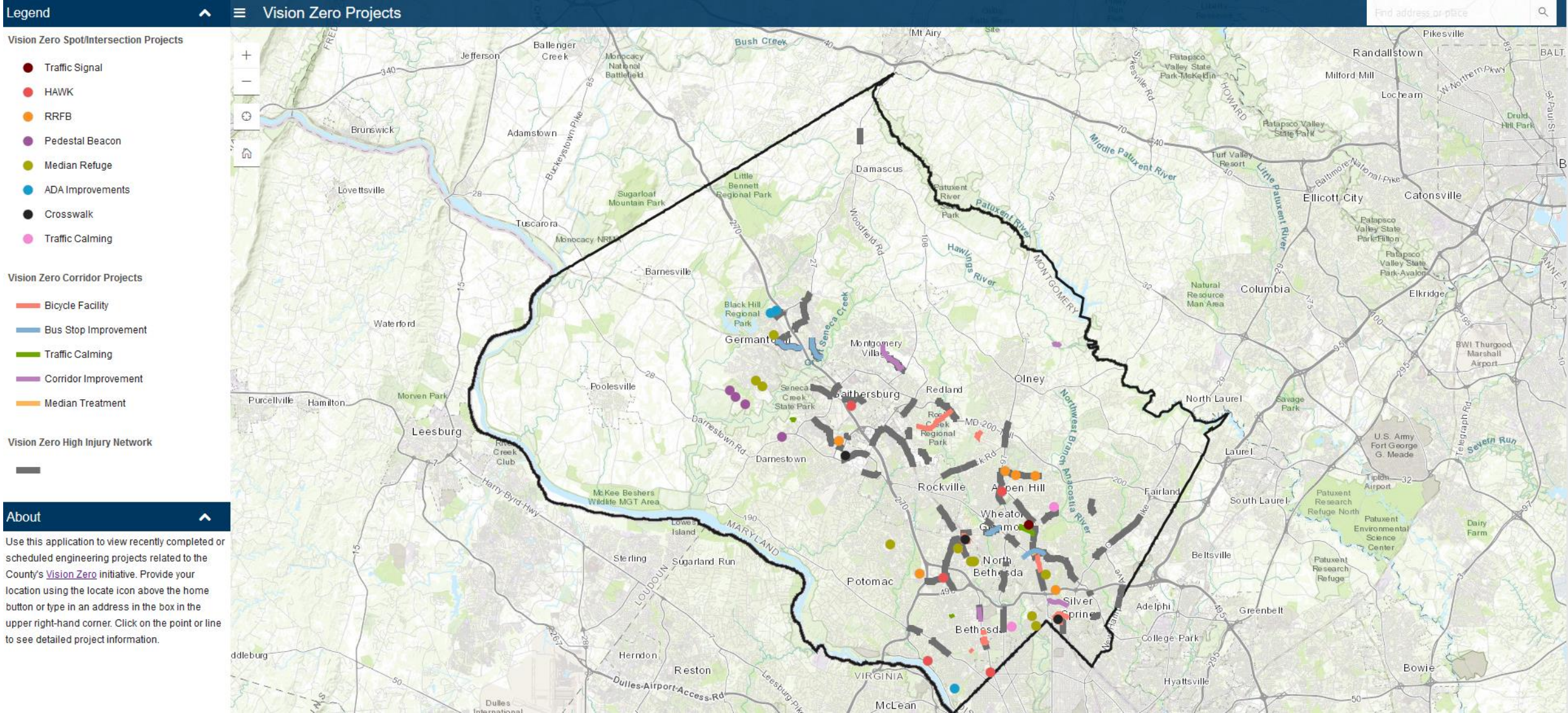
Design Standards

MCDOT is reviewing and revising design standards to reduce opportunities for high-speed collisions and develop proper environmental countermeasures. MCDOT is updating pedestrian safety standards, signing standards, marking standards, and more to reach the Vision Zero goal.

New Bus Pads and Crosswalks

MCDOT is working on increasing access and safety at bus stop locations by providing new and updated infrastructure at bus pads and crosswalks.

VISION ZERO PROJECTS MAP

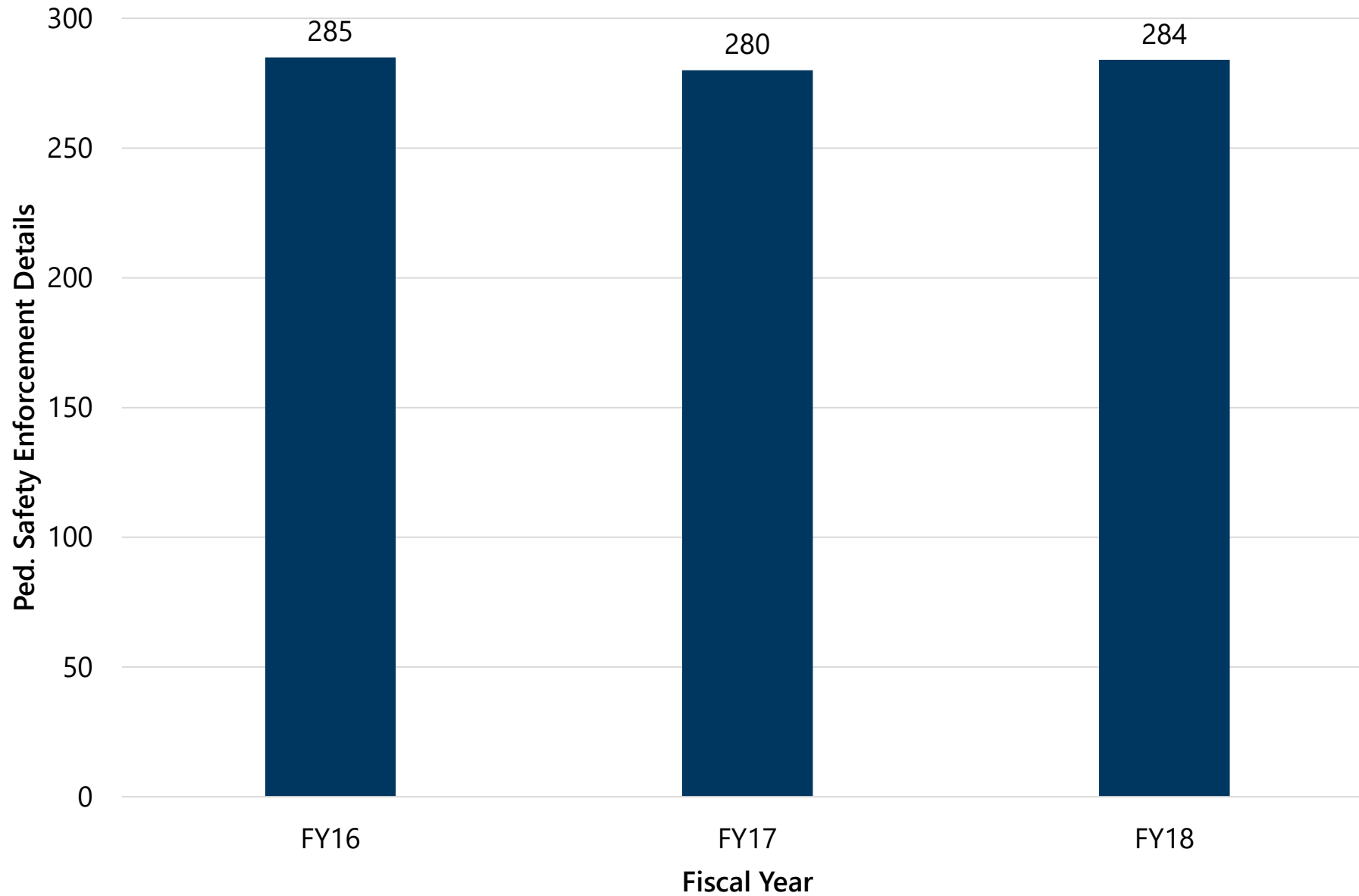




HIGH VISIBILITY ENFORCEMENT

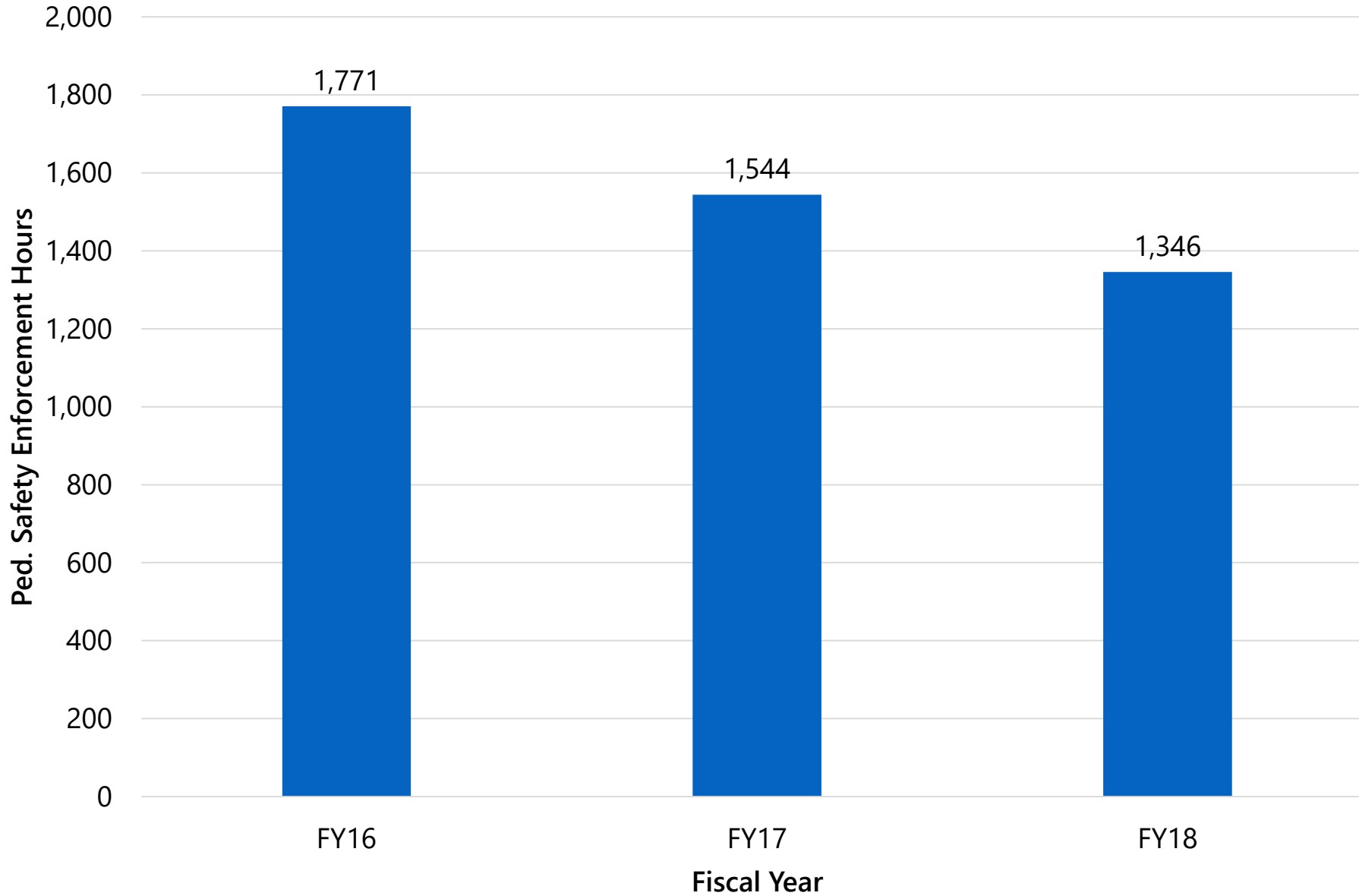


PED SAFETY ENFORCEMENT DETAILS



Over the three year span (FY2016 to FY2018), MCPD averaged 283 deployment details specifically related to Pedestrian Safety.

PED SAFETY ENFORCEMENT HOURS



Although the total amount of work hours declined over the past two fiscal years, the total number of deployments were consistent between 280 and 285 details each year.

A cause for the lower work hour totals recently was less personal per detail. Less personal per detail allows for more spread out details across the County.



PEDESTRIAN SAFETY EDUCATION



WHEATON PED SAFETY CAMPAIGN

Poster for Businesses

USE THE CROSSWALKS
CRUCE POR EL PASO DE PEATONES

DON'T GAMBLE WITH YOUR LIFE
NO JUEGUE CON SU VIDA

Use the crosswalk
Utilize el paso peatonal

Be alert
Esté alerta

Be seen
Hágase visible

Obey the signals
Obedezca las señales

www.montgomerycountymd.gov/walk

Street Outreach Teams



Image courtesy of Idle Time Advertising

Palm Card for Pedestrians

USE THE CROSSWALKS
CRUCE POR EL PASO DE PEATONES

DON'T GAMBLE WITH YOUR LIFE
LOOK BEFORE CROSSING

NO JUEGUE CON SU VIDA
MIRE ANTES DE CRUZAR

Use the crosswalk
Utilize el paso peatonal

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Obedezca las señales

www.montgomerycountymd.gov/walk

After a series of pedestrian crashes in Wheaton this summer, the Vision Zero Steering Committee, along with the Mid-County RSC, developed an on-street campaign. To date, street teams and Urban District staff have distributed 2,000 palm cards with an additional 6,000 planned through the Holidays. All material has English and Spanish and street teams provided Spanish speaking members. After a month of the education campaign, Wheaton District police officers began enforcement against driver speeding, driver fail to yield, and pedestrian violations.

PEDESTRIAN & BICYCLE SAFETY EDUCATION

Outreach Events



Social Media

Top media Tweet earned 959 impressions

Attention saves lives, don't text and drive! Follow and share Zeal's 3 easy tips to help prevent texting and driving:

1. Stow before you go- put your phone away before driving.
2. Install an app to help prevent distracted driving.
3. Take the pledge: bit.ly/2H341gH
pic.twitter.com/BScvYHNh10



🔄 4 ❤️ 2

Pedestrian and Bicycle Safety Education is conducted year round by outreach teams participating in various community and school events. On average, our outreach teams participate in 12-16 events per year, reaching over 6,000 residents. In addition to those events, the street teams also conduct targeted education and outreach related to the installation of new signals such as the RRFBs and HAWK signals.

Social media platforms are also utilized as way to educate pedestrians and drivers of all ages.



**GET
INVOLVED**





Service Requests

Request a fix for current roads, sidewalks, lights, pedestrian and bicycle facilities, etc.

mc311.com



Safety Concerns

Bring to our attention unsafe facilities and behaviors in Montgomery County.

<http://bit.ly/vzsafetymap>



General Feedback

Let us know what you think about or how to improve Vision Zero Montgomery County.

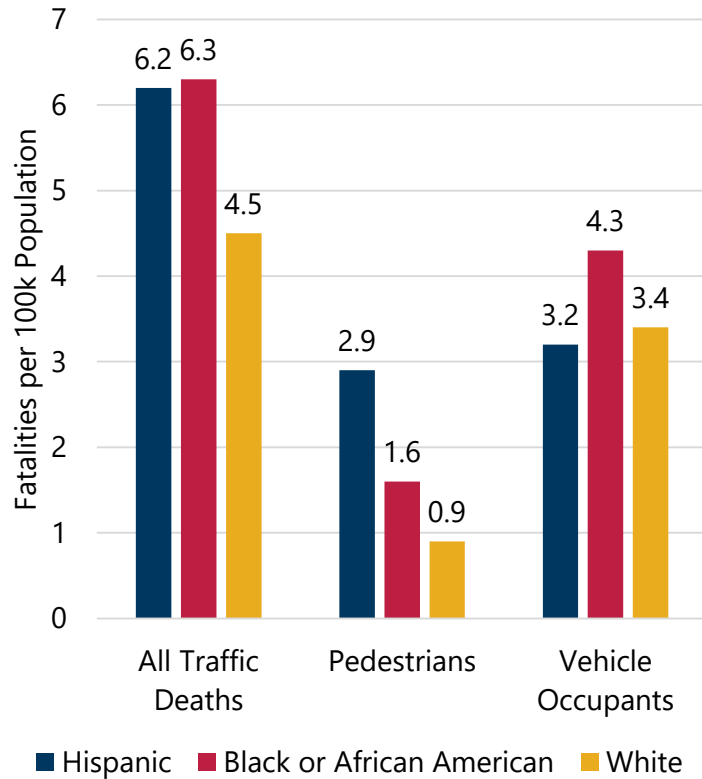
Twitter [@VisionZeroMC](https://twitter.com/VisionZeroMC)
visionzero@montgomerycountymd.gov



Educational Resources

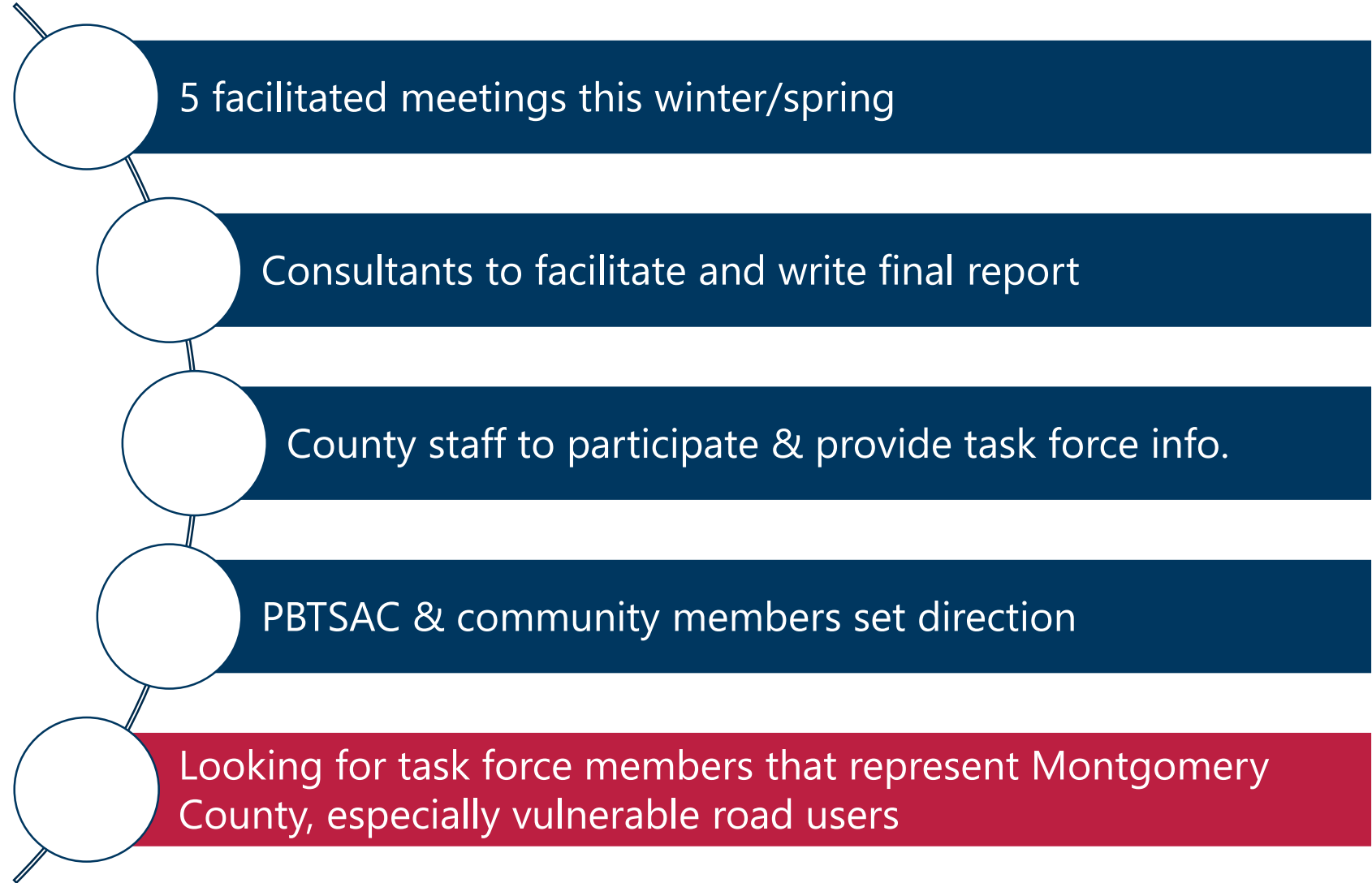
Learn about helpful safety tips that will help facilitate our Vision Zero goals.

Hispanic and Non-Hispanic Black/African American residents have a 33% higher traffic fatality rate compared to Non-Hispanic White residents.



Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 2011-2015 on CDC WONDER Online Database, released December 2016.

Note: Rates for cyclists and Asian/Pacific Islander not shown due to rates that fell below the reporting threshold.





YES!

I want to get the
Safe Routes to
School newsletter!

Activities to organize at your child's school:

- Walking School Bus
- Walk to School Day
- Park and Walk
- Bicycle Rodeo
- Bike Train



Contact our Safe Routes to Schools Coordinator to learn how to get involved in the program or visit the SRTS webpage at montgomerycountymd.gov/walk.

VZ Home About Action Plan Your Participation Calendar VZ Data Additional Resources Contact

VISIONZERO

NO TRAFFIC DEATHS BY 2030



Stay Alert, Stay Alive

Montgomery County Executive Ike Leggett announced an awareness and enforcement campaign regarding **distracted driving and distracted walking**. He was joined by Councilmember Marc Elrich, Transportation Director Al Roshdieh, Police Captain Tom Didone, Battalion Chief Amy Vanderryn, and Public Schools Supervisor Cara Grant. The "Stay Alert, Stay Alive" campaign is part of the County's Vision Zero initiative to reduce fatalities and serious injuries on our roadways.

- See [press release](#) and [photos](#) from the event.

Copy of Plan:

<http://montgomerycountymd.gov/visionzero/>



@VisionZeroMC

Montgomery County Brings Vision Zero to the Suburbs

Montgomery County is one of the first county governments in the United States to initiate a Vision Zero plan. The County has put resources in place to reduce severe and fatal collisions on County roads by 35 percent for vehicle occupants (drivers and passengers), pedestrians, and bicyclists by November 2019.

Project and Activity Updates

Tweets by @VisionZeroMC

 **Mont Co Vision Zero**
@VisionZeroMC
Thanks to @PepcoConnect for repairing the