

Bicycle Advisory Group Meeting

January 15, 2019



RESPONSIBILITIES OF THE BICYCLE ADVISORY GROUP:

- (A) ADVISE AND INFORM THE OFFICE ON TRANSPORTATION MATTERS;
- (B) PROVIDE ADDITIONAL SUBJECT MATTER EXPERTISE TO THE OFFICE; AND
- (C) PROVIDE FEEDBACK AND TECHNICAL ASSISTANCE ON THE IMPLEMENTATION OF MASTER PLANS AND OTHER INITIATIVES AND POLICY ISSUES.



Howard County
OFFICE OF TRANSPORTATION

BIKE HOWARD

OPEN HOUSE 2019



CENTRAL LIBRARY
JANUARY 15 • 7PM-9PM
WWW.BIKEHOWARD.COM

FY2019 Current Projects



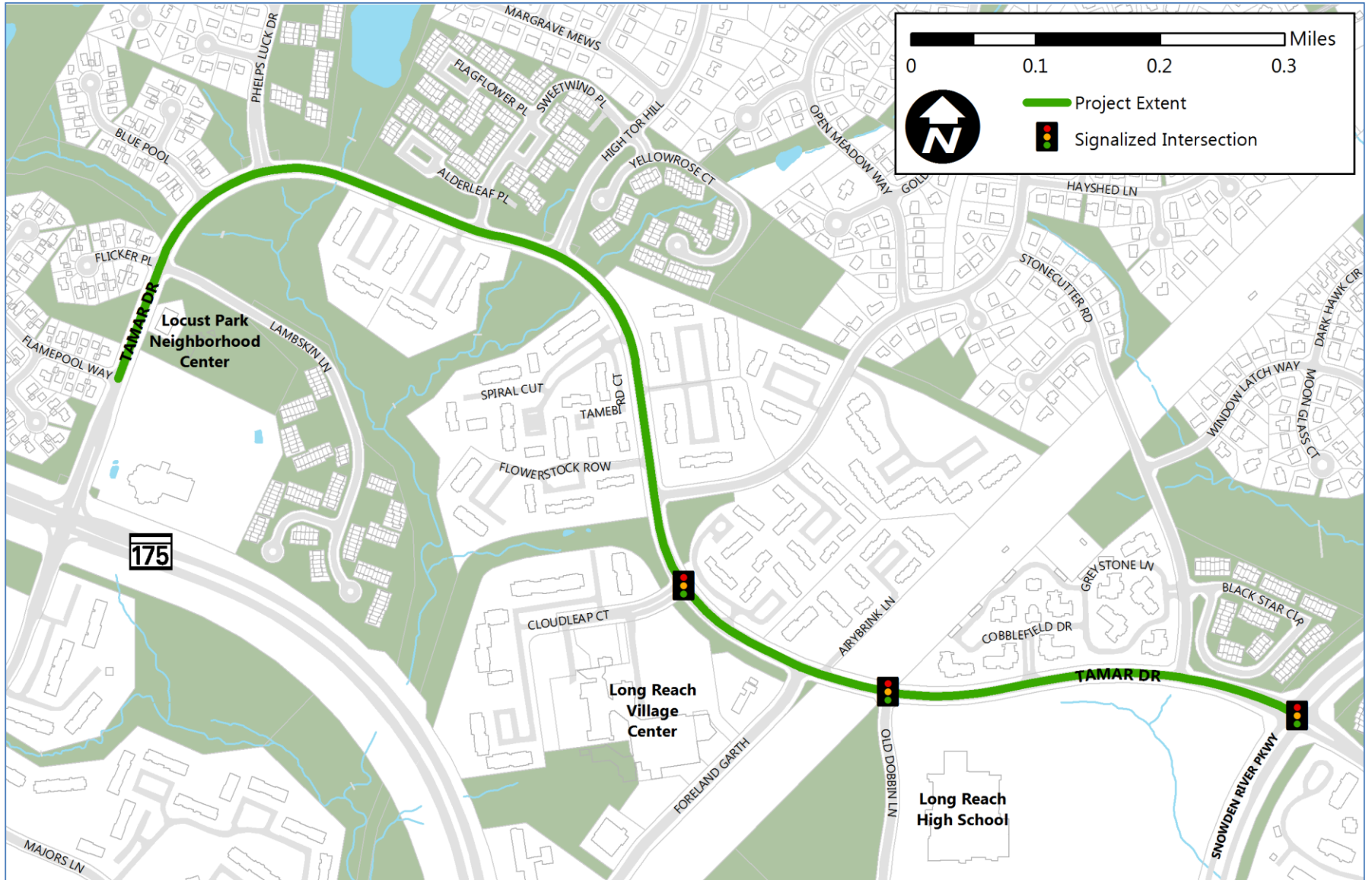
- COMPLETE STREETS CORRIDOR STUDIES -
- CURRENT GRANT PROJECTS -
- PATUXENT BRANCH TRAIL AT OLD GUILFORD RD -



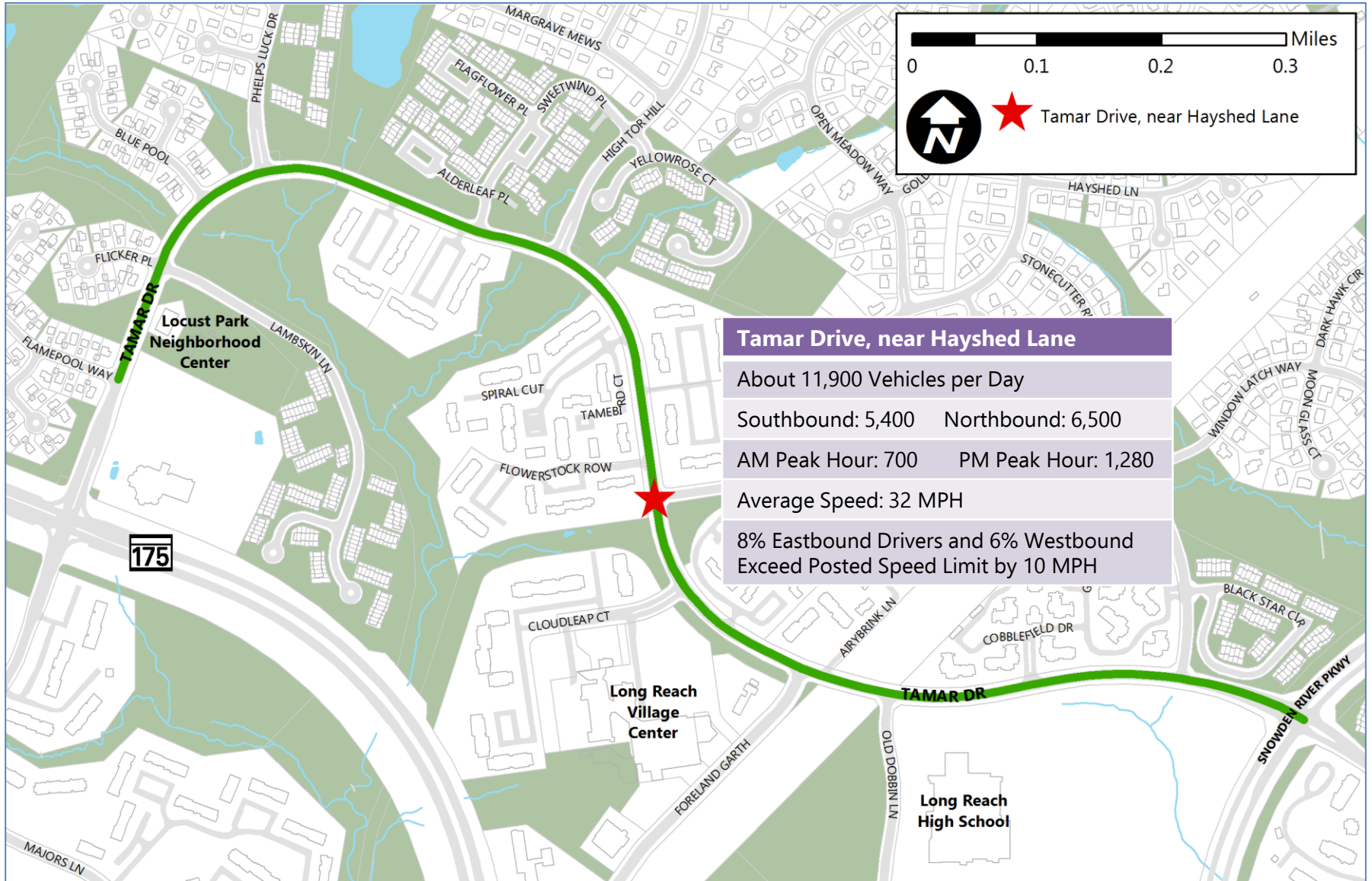
Project Objectives

- Develop a collaborative vision for the subject roadway, in accordance with community goals and the guidance of PlanHoward, BikeHoward, and WalkHoward.
- Identify cost-effective improvements consistent with this vision.
- Quantify safety, operational, and environmental impacts of proposed changes.

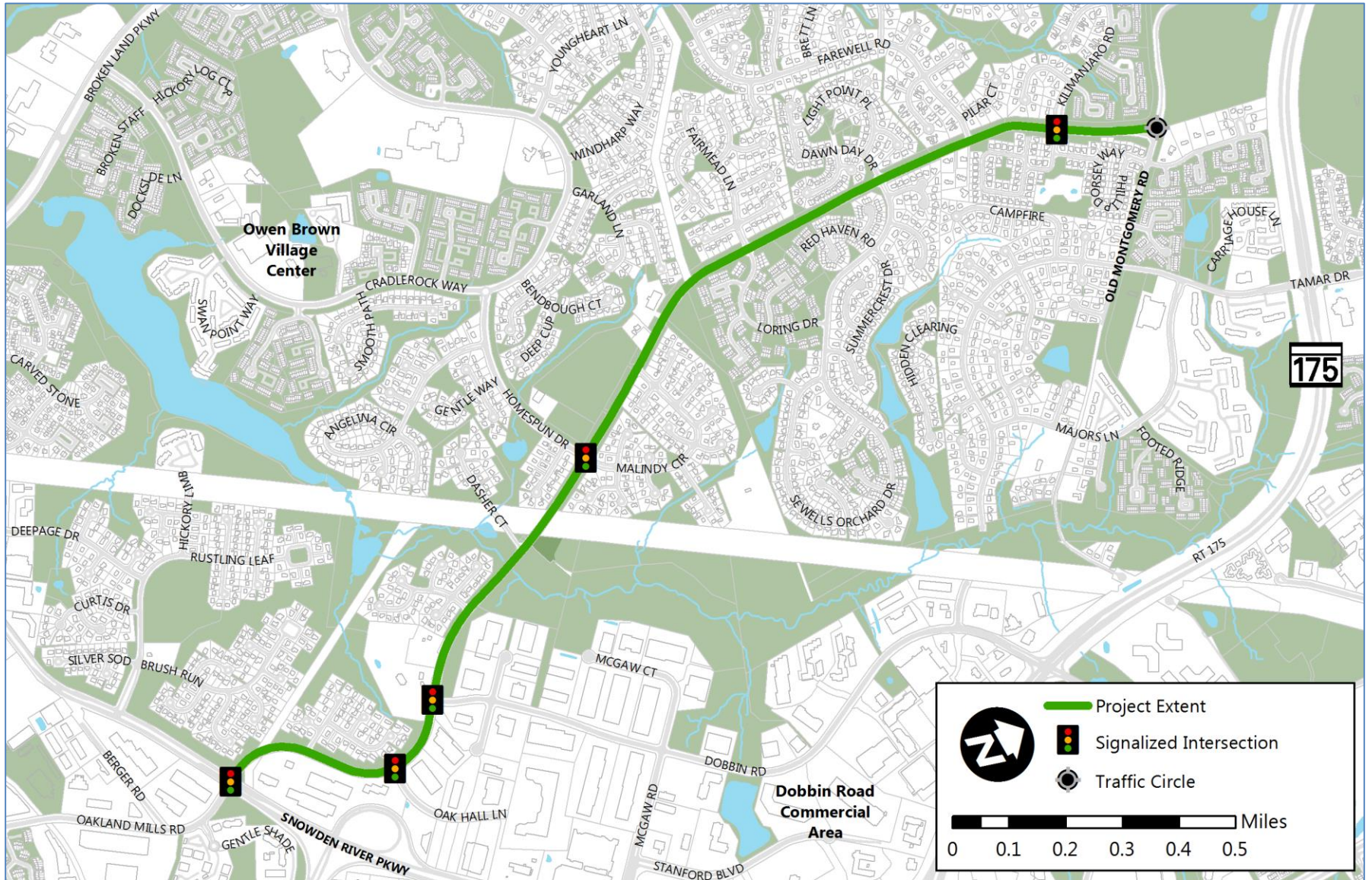
Tamar Drive



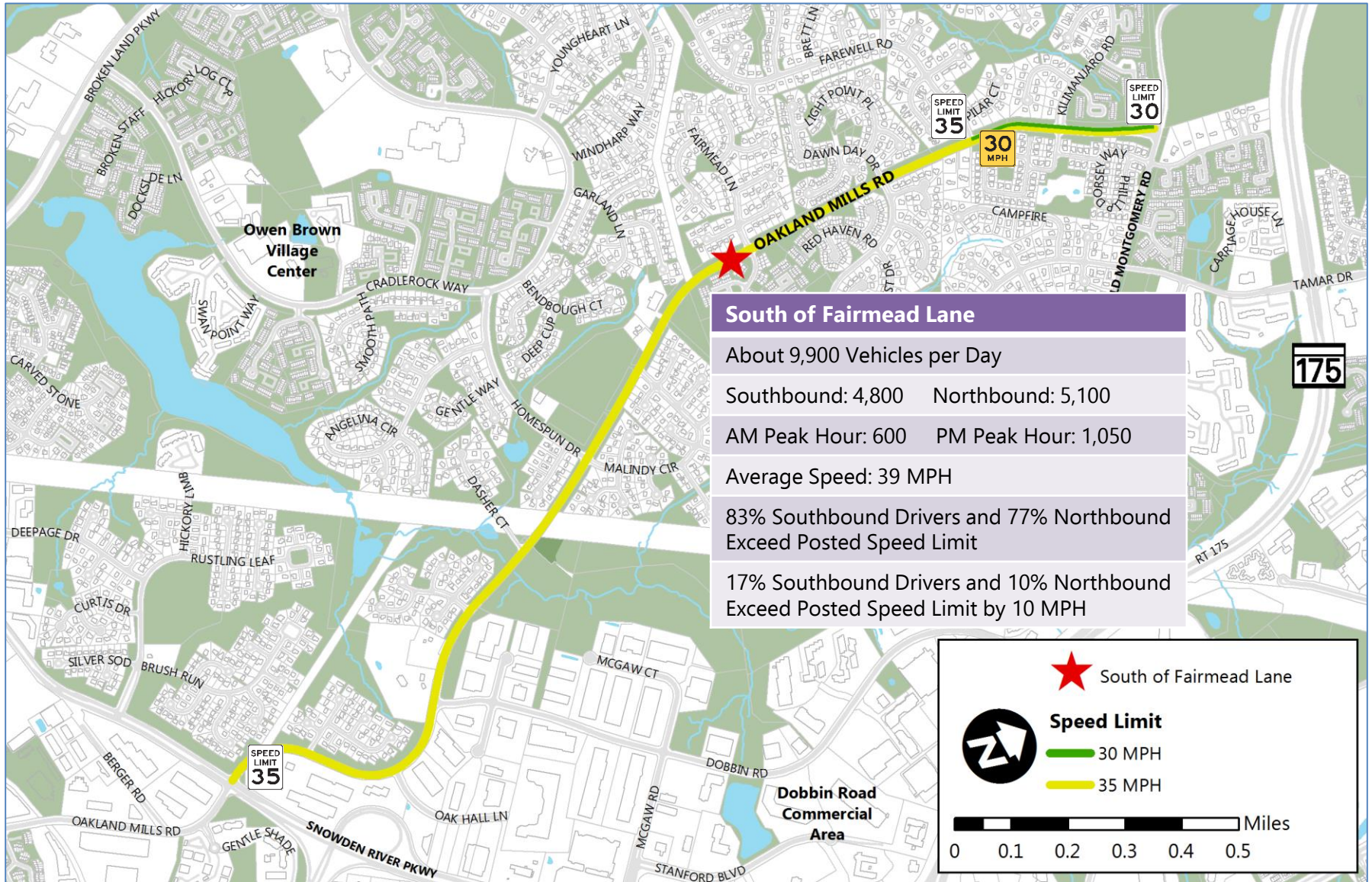
Traffic Volume and Speed



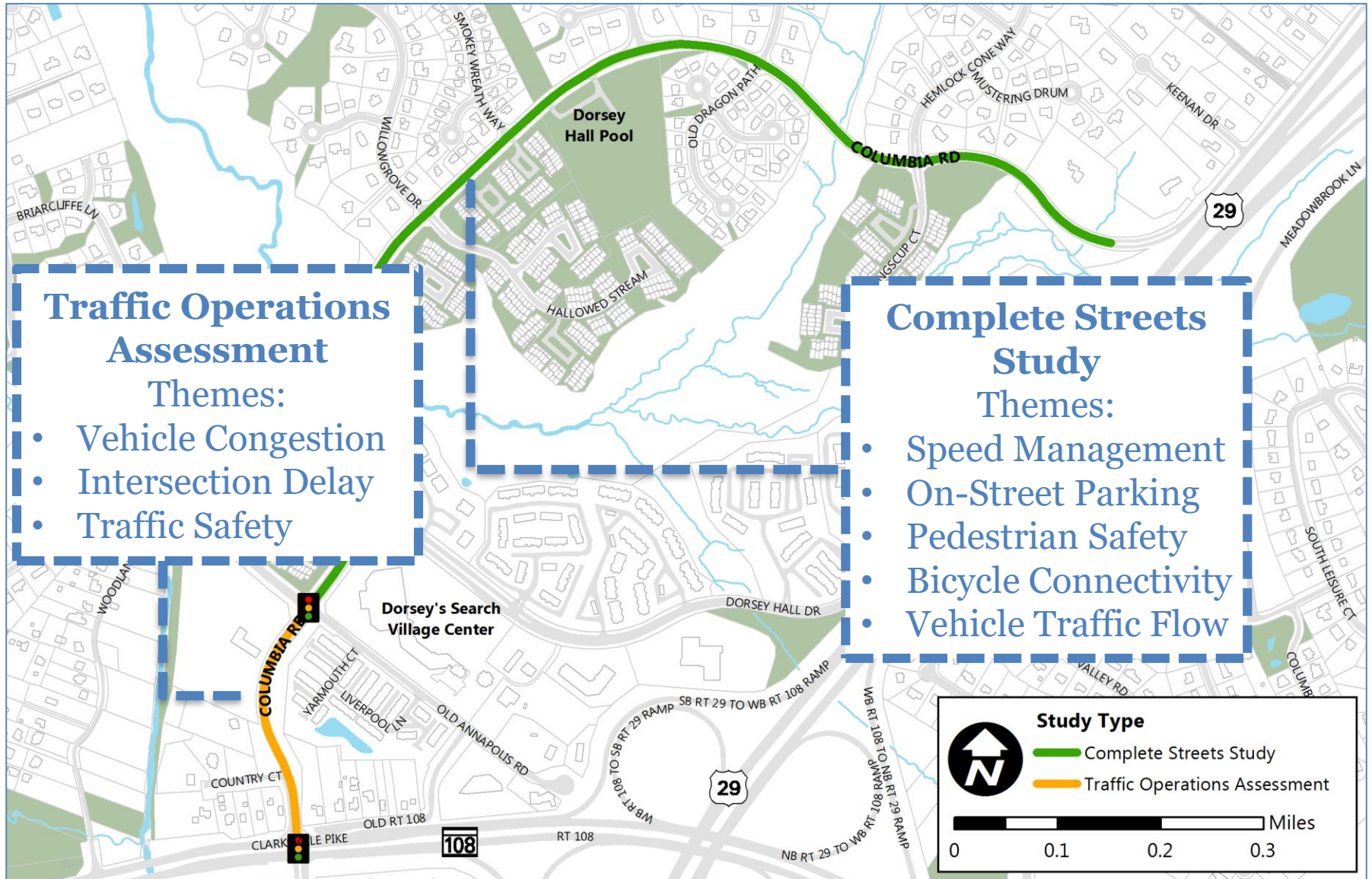
Oakland Mills Road



Traffic Volume and Speed



Columbia Road



Traffic Speed and Volume

Columbia Road at Dorsey Hall Pool

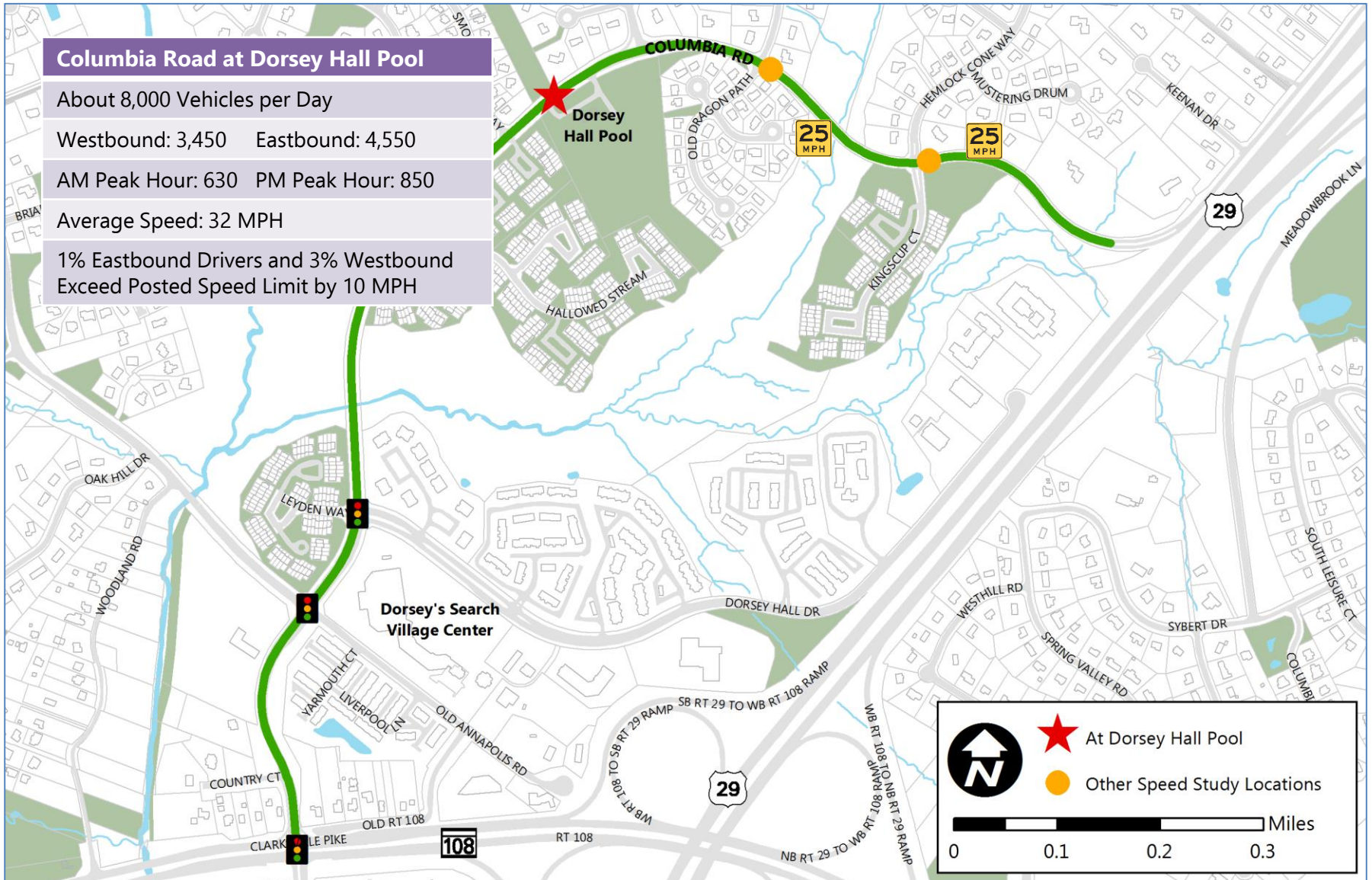
About 8,000 Vehicles per Day

Westbound: 3,450 Eastbound: 4,550

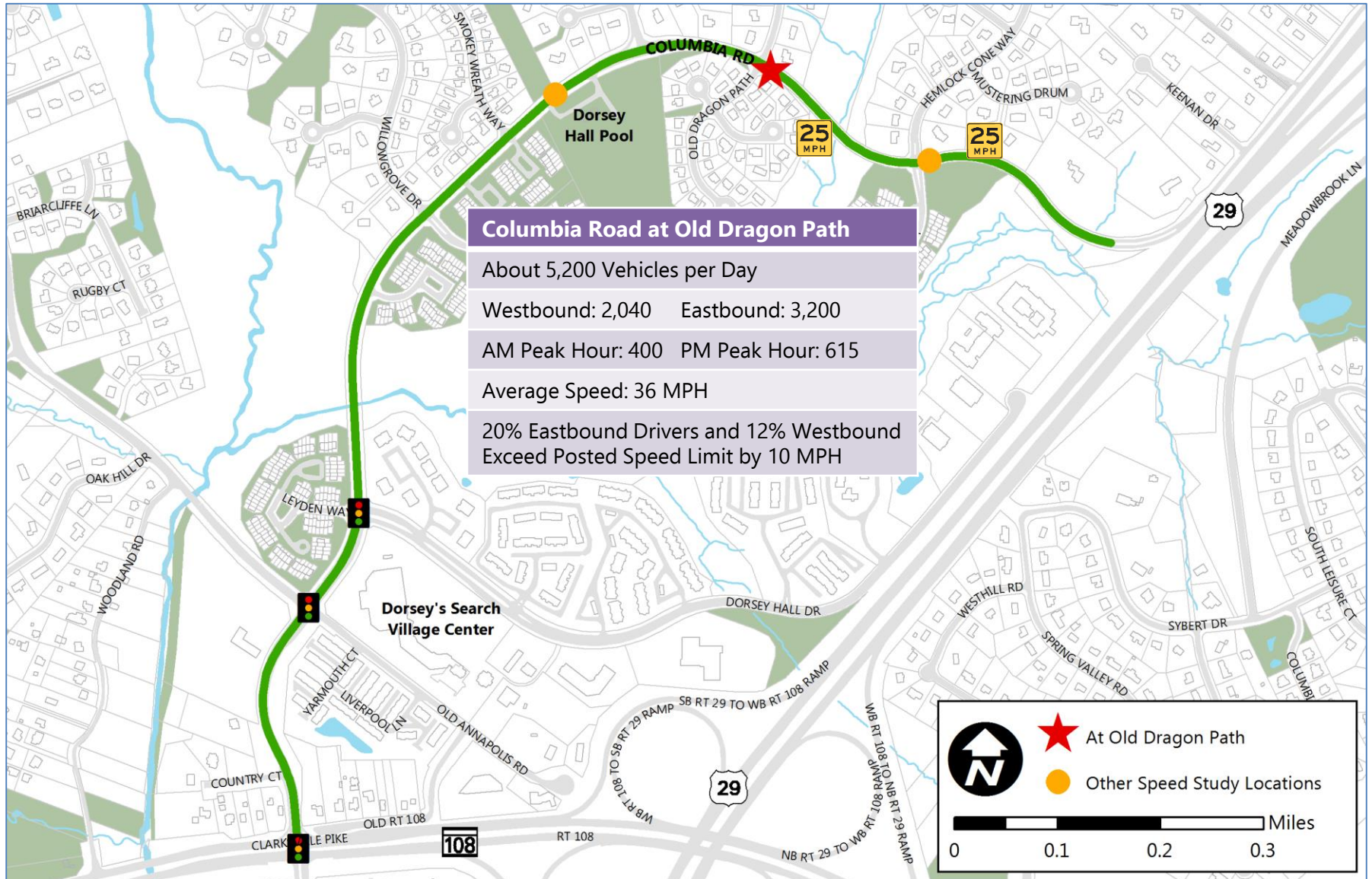
AM Peak Hour: 630 PM Peak Hour: 850

Average Speed: 32 MPH

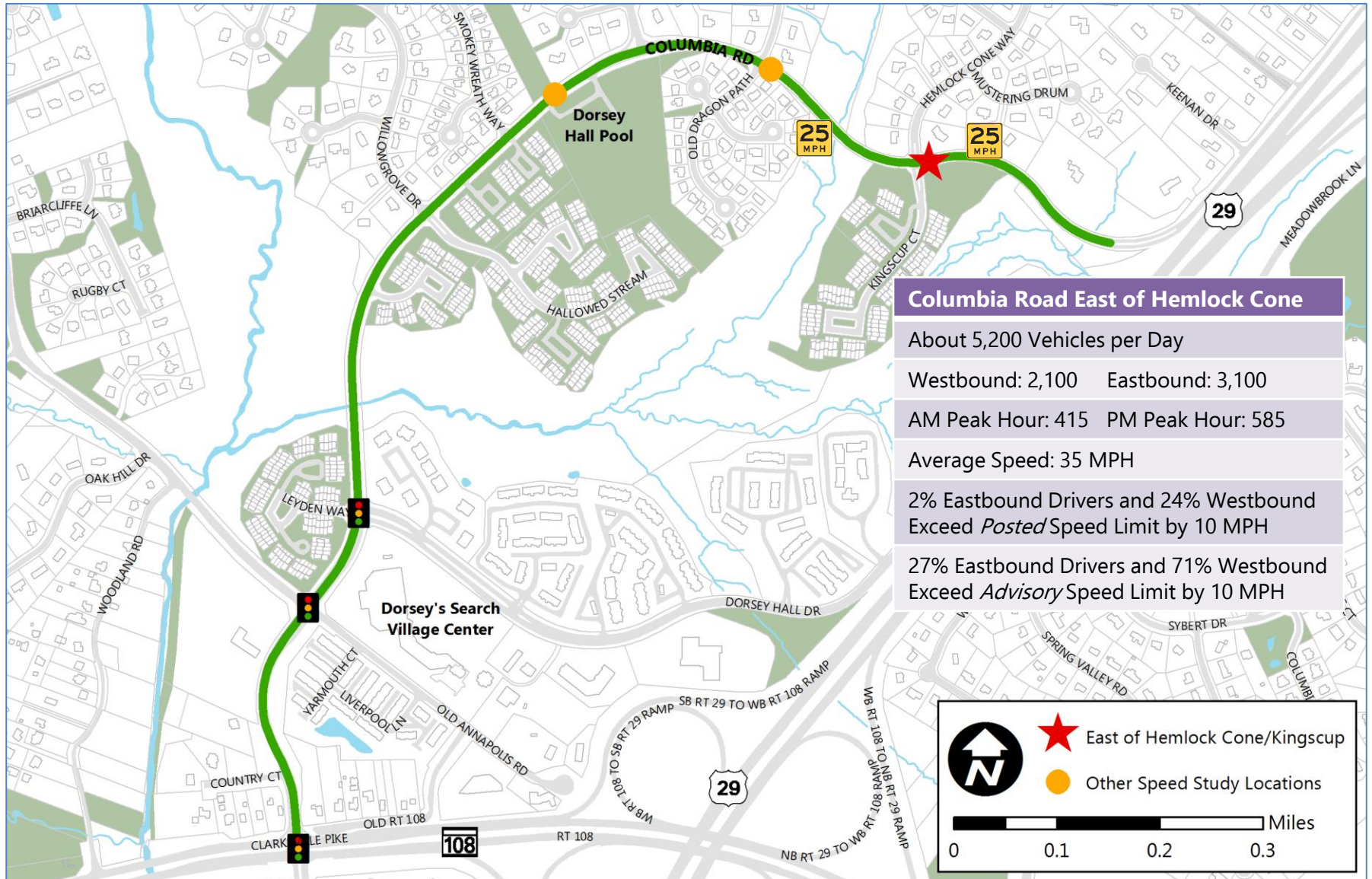
1% Eastbound Drivers and 3% Westbound Exceed Posted Speed Limit by 10 MPH



Traffic Speed and Volume



Traffic Speed and Volume

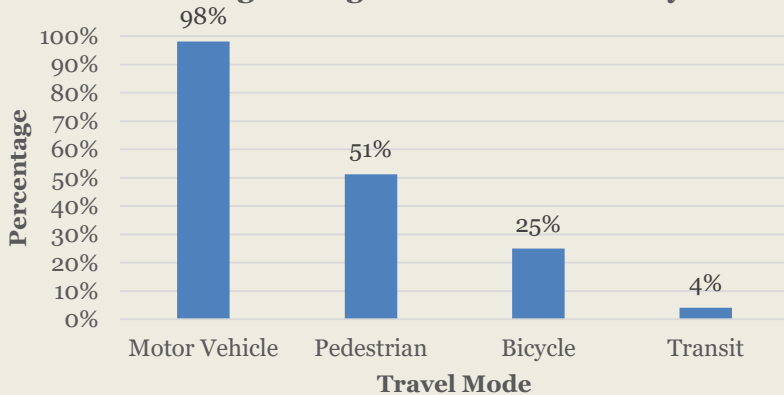


Public Input



- 3 Public Meetings
 - 66 attendees
 - 106 map comment dots
 - 135 survey responses
- Example Data
 - Columbia Road

Percentage Using Mode at least Weekly



Crash Data Example: Oakland Mills Road

Oakland Mills Road 2013 to 2017 Crash Data

Source: Howard County Police Department

Extent: Old Montgomery Road to
Snowden River Parkway

Total: 326 reported crashes (average 65/year)

Most Frequent Collision Types

97 rear-end collisions (21% result in injury)

53 head-on collisions (47% result in injury)

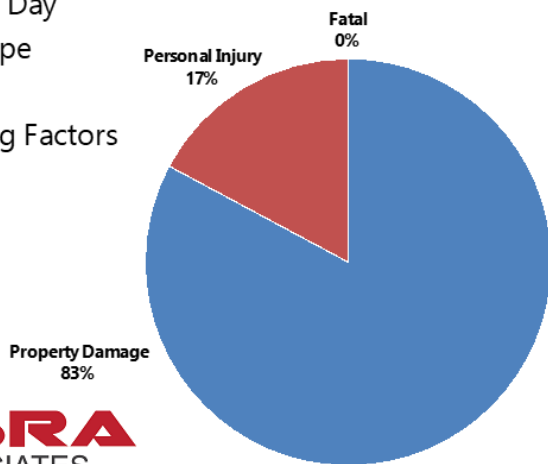
Crashes by Time of Day and Day of Week

Time of Day	Day of Week						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	23	50	51	45	57	54	46
11 PM to 1 AM	8	0	1	1	3	0	2
1 AM to 3 AM	0	0	0	0	0	0	0
3 AM to 5 AM	2	0	0	0	0	0	2
5 AM to 7 AM	4	0	0	1	1	2	0
7 AM to 9 AM	22	0	4	5	4	6	3
9 AM to 11 AM	18	0	1	2	1	4	3
11 AM to 1 PM	40	5	8	6	6	5	4
1 PM to 3 PM	55	4	10	8	4	7	13
3 PM to 5 PM	55	6	3	8	8	11	13
5 PM to 7 PM	71	5	9	15	9	15	7
7 PM to 9 PM	28	1	9	3	4	5	4
9 PM to 11 PM	23	2	5	2	8	0	5

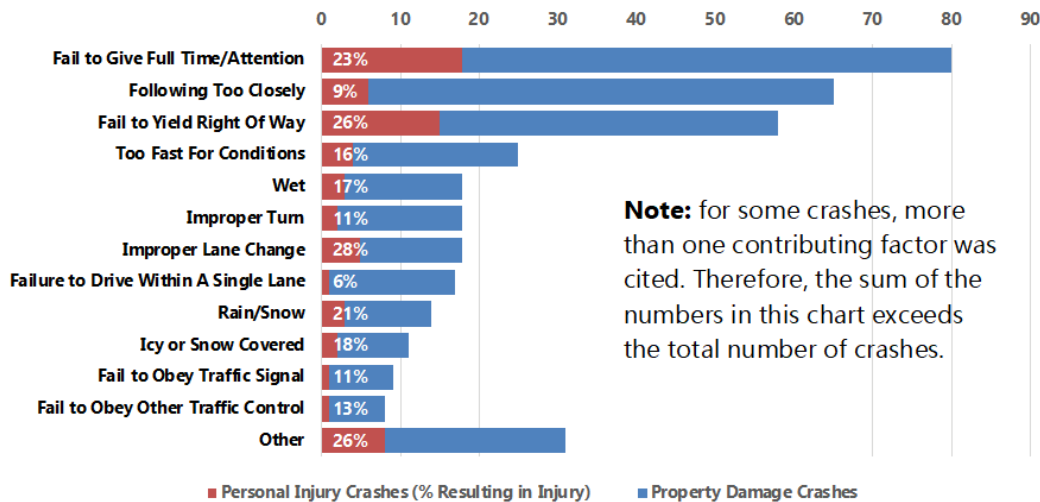
Attributes to be Studied

- Day of the Week
- Time of the Day
- Collision Type
- Severity
- Contributing Factors
- Location

Crashes by Severity



Contributing Factors Cited in Crashes



Note: for some crashes, more than one contributing factor was cited. Therefore, the sum of the numbers in this chart exceeds the total number of crashes.



Next Steps



- **Completion of Public Input**
 - Tamar Drive: until January 25
 - Oakland Mills Road: until January 31
- **Detailed Traffic Data Collection**
- **Analysis of Data**
 - Survey Results
 - Comment Dots
 - Traffic Data
 - Crash Data

Project Schedule



Winter 2019: Traffic counts, field review, and public input

Winter-Spring 2019: Traffic analysis and crash data/safety evaluation

Spring-Summer 2019: Concept development and option evaluation

Summer-Fall 2019: Presentation of results and concept alternatives

Maryland Bikeways Projects

HCC Connector

South Entrance Trail

North Laurel Connections

- **HCC Connector**



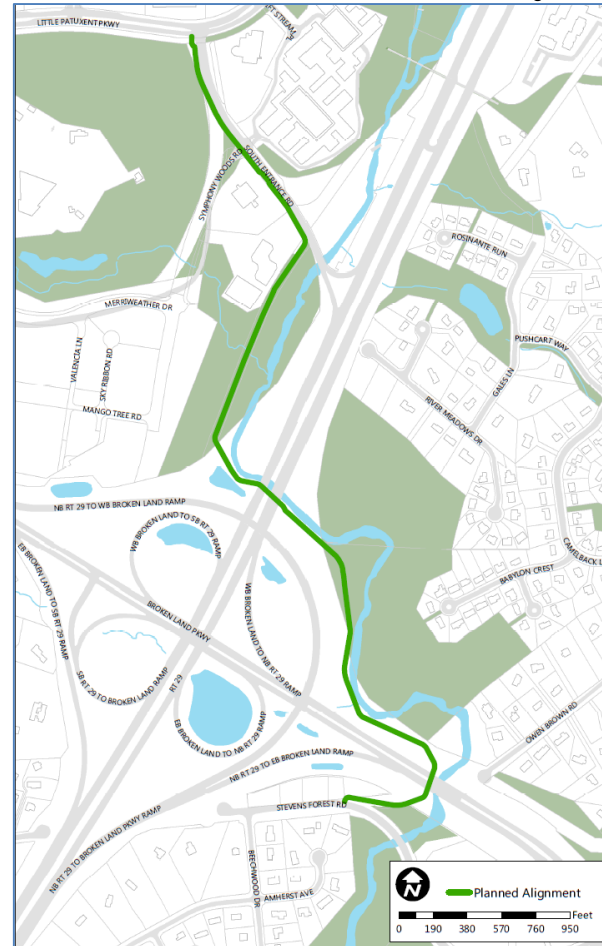
Maryland Bikeways Projects

HCC Connector

South Entrance Trail

North Laurel Connections

- **South Entrance Trail**
(formerly Downtown Columbia to Stevens Forest Road Pathway)





Maryland Bikeways Projects

HCC Connector

South Entrance
Trail

North Laurel
Connections

- **South Entrance Trail**
(formerly Downtown Columbia to
Stevens Forest Road Pathway)

- Wetlands Delineation Complete
- Alignment adjustments underway



Maryland Bikeways Projects

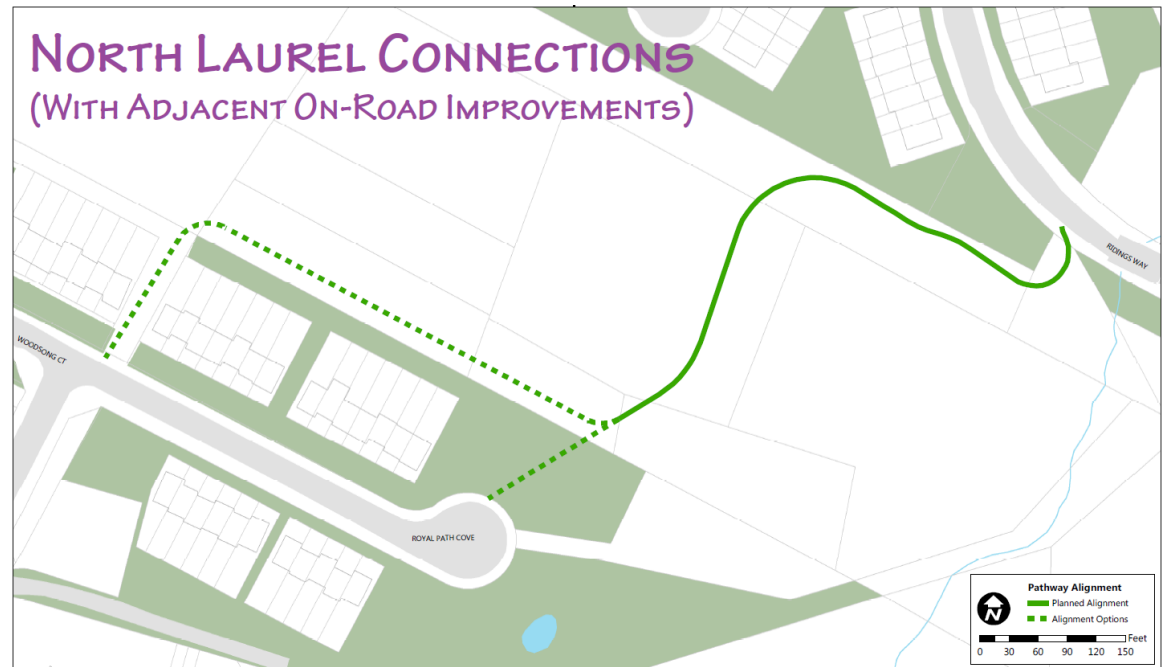
HCC Connector

South Entrance Trail

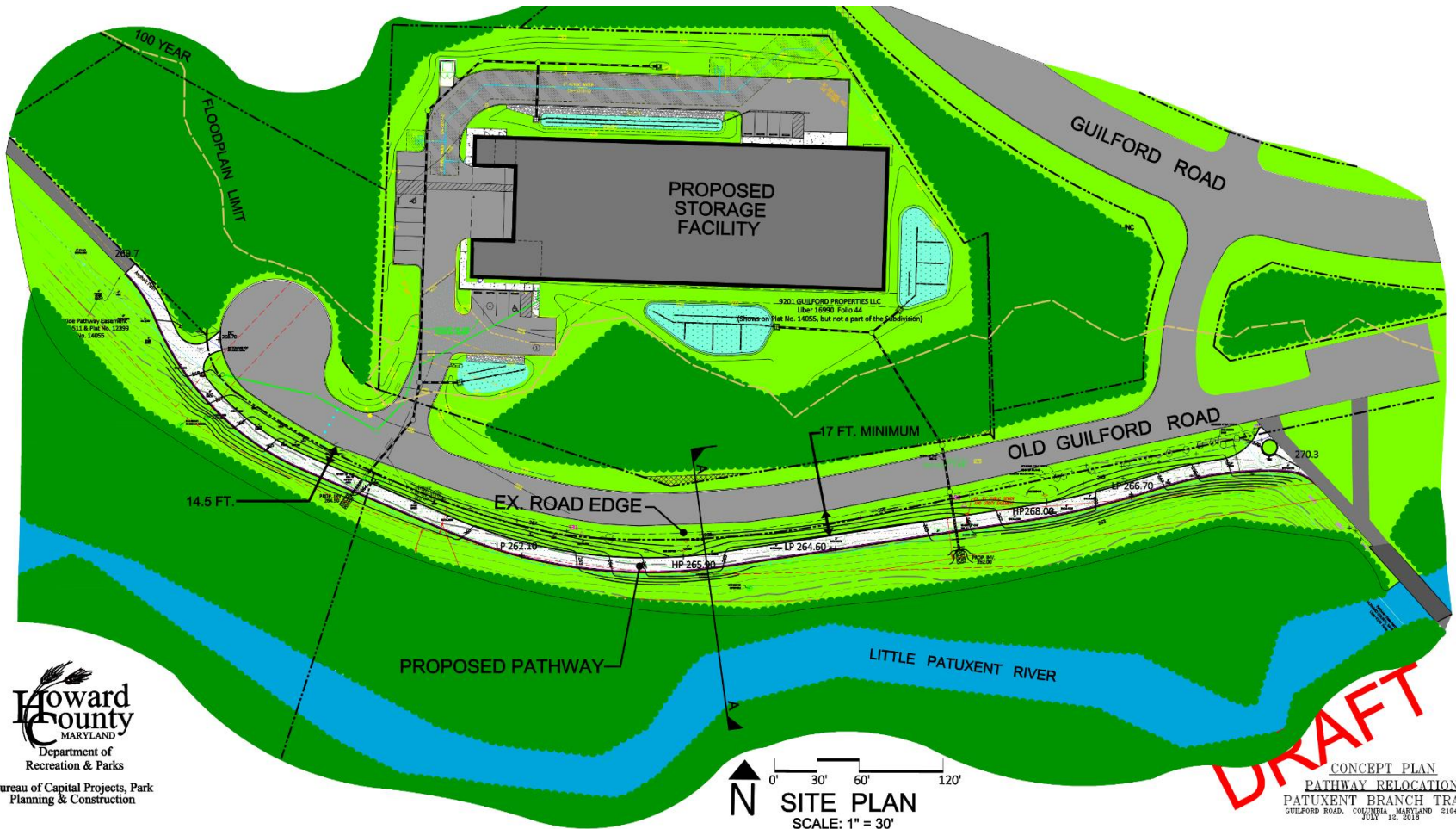
North Laurel Connections

• North Laurel Connections

- Developing pavement marking concepts for Knights Bridge Road
- Exploring two pathway alignments across BGE right-of-way



Patuxent Branch Trail at Old Guilford Road



Department of
Recreation & Parks
Bureau of Capital Projects, Park
Planning & Construction

DRAFT

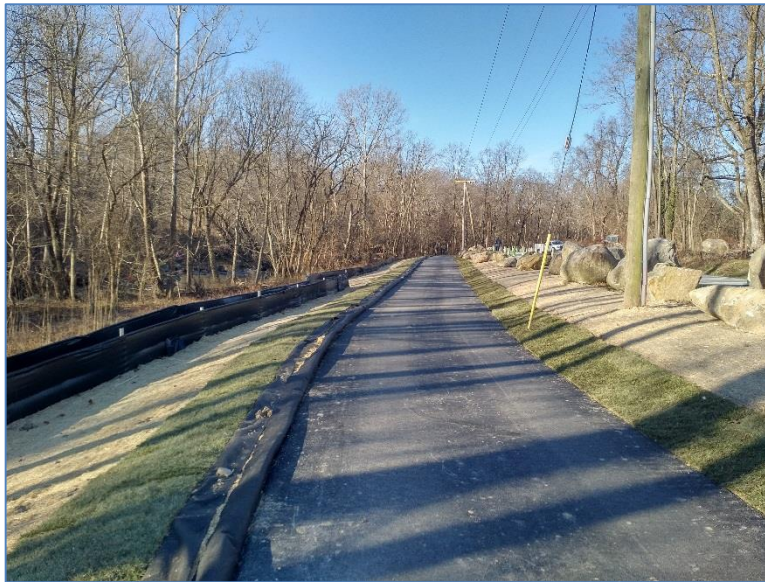
CONCEPT PLAN
PATHWAY RELOCATION
PATUXENT BRANCH TRAIL
GUILFORD ROAD, COLUMBIA, MARYLAND 21044
JULY 15, 2019

**Photo
Date**

1/11/2019



Above: looking West from the eastern end
Below: looking West from mid path



Above: looking East from mid path
Below: view from Old Guilford Road



FY2020 Proposed Projects



BIKEHOWARD
express

BikeHoward Express FY2020 Proposed Projects



Project	Category	FY2020			Notes
		County	Grant	Total	
Cedar Lane Pathway	Closed Out	\$0	\$0	\$0	
Edgar Road and Mellenbrook Road	Closed Out	\$0	\$0	\$0	
Misc. signage, stencilling, storm drain grates, etc	Construction	\$100,000	\$0	\$100,000	
North Laurel Connections	Construction	\$500,000	\$0	\$500,000	
Downtown Columbia to Stevens Forest Road	Design & Engineering (60%)	\$0	\$0	\$0	Ongoing from FY19
Dobbin to McGaw Pathway	Construction	\$150,000	\$1,350,000	\$1,500,000	Most likely will be deferred
Oakland Mills Rd Road Diet	Feasibility Study	\$0	\$0	\$0	Ongoing from FY19
Tamar Dr Road Diet	Feasibility Study	\$0	\$0	\$0	Ongoing from FY19
Robert Fulton Drive Shared-Use Path	Design & Engineering (100%)	\$180,000	\$0	\$180,000	
Sebring to Hickory Ridge Connection	Design & Engineering (90%)	\$0	\$0	\$0	Ongoing from FY19
Columbia Road	On hold for resurfacing	\$0	\$0	\$0	Ongoing from FY19
Harriet Tubman Lane and Martin Road W of Freetown	On hold for resurfacing	\$0	\$0	\$0	Waiting for Resurfacing
Martin Road and Owen Brown Road	On hold for resurfacing	\$0	\$0	\$0	Waiting for Resurfacing
River Road, Levering Avenue, Furnace Avenue	Construction Levering Avenue	\$25,000		\$25,000	
Patuxent Branch Trail Paving	Construction	\$0	\$0	\$0	Funds carried over
Elkridge to Patapsco Regional Greenway Bridge	Feasibility Study	\$20,000	\$100,000	\$120,000	MD Bikeways or UPWP Grant
Dobbin SUP (McGaw to Snowden River Pkwy)	Feasibility Study	\$275,000	\$0	\$275,000	
North Chatham Road Contraflow Bike Lane	Not Started Yet	\$0	\$0	\$0	
FY20 Total:		\$1,250,000	\$1,450,000	\$2,700,000	

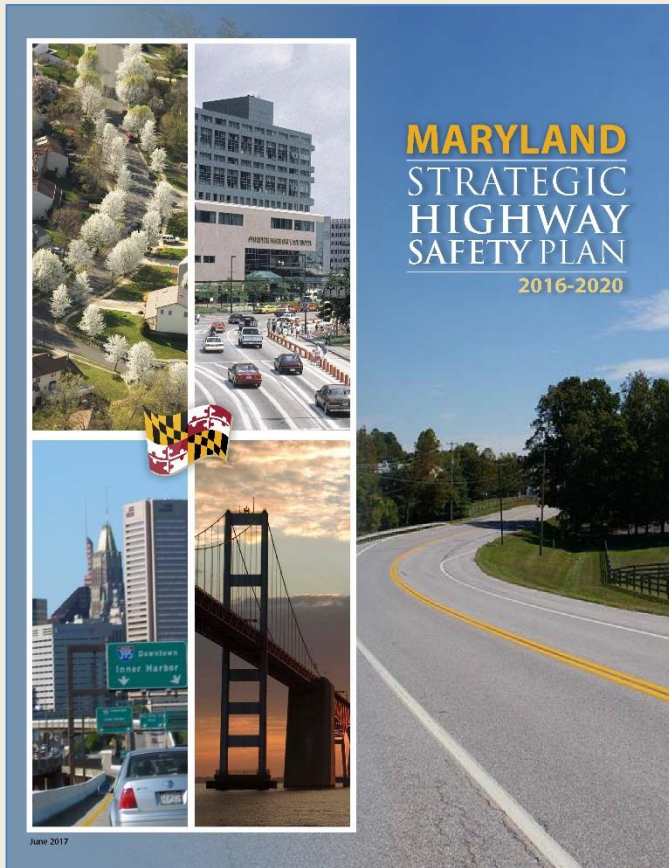
Strategic Highway Safety Plan



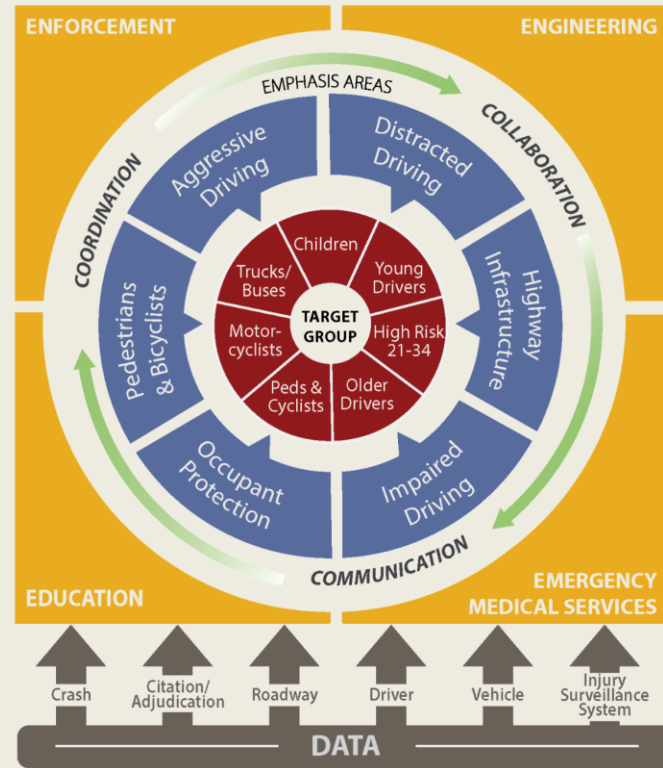
Strategic Highway Safety Plan



Basis: Maryland Strategic Highway Safety Plan



Safer Roads in Maryland



Strategic Highway Safety Plan



Kickoff Meeting: January 7, 2019

Participating Agencies

- **Howard County**
 - Office of Transportation
 - Department of Public Works
 - Department Planning and Zoning
 - Police Department
 - Fire Department
 - Health Department
 - Public School System
- **State Highway Administration**
- **Baltimore Metropolitan Council**