



Howard County Executive
Calvin Ball invites you to a



TRANSPORTATION TOWN HALL



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Office of
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Transit Manager
Office of
Transportation



CRISTIN TOLEN
General Manager
Regional Transportation
Agency



DAVID COOKSON
*Transportation
Planning Manager*
Office of Transportation

Tonight's Format

- Introduction by Calvin Ball, County Executive
- Short Presentations by
 - Police Department
 - Office of Transportation
 - Department of Public Works
- Questions after each presentation and topic area and at the end of the night



TRANSPORTATION TOWN HALL

November 18



Howard County

Howard County Police Department

Howard County Police Department approach to Roadway Safety has two components:

- Education
- Enforcement



Education

- Through social media and other outreach efforts to promote roadway safety
- PSA's and Community presentations regarding occupant safety, aggressive driving, impaired driving, pedestrian, and bicycle safety
- Participation in Local, State and National initiatives

Youth Programs:

- Collision Avoidance Training (CAT)
- "Safe Driving Program" at every High School
 - Distracted Driving
 - Impaired Driving
 - Collision Avoidance



Enforcement

Officer Enforcement

- Distracted Driving
- Impaired Driving
- Speed
- Occupant Safety
- Commercial Motor Vehicle

Automated Enforcement

- Red Light Program
- Speed Program (school zones)



Serious Traffic Collision Trends



Fatal Collision Contributing Factors by Percentage		
	2015-2019	2020
Excessive Speed	31%	43%
Unbelted	33%	38%
Under the Influence	29%	19%
Under 21 years of age	5%	25%
Total Fatalities	73 (14.6 per year)	17

Howard County

Strategic Roadway Safety Plan

- Crashes are one of the leading causes of death and injuries for pedestrians, cyclists and motorists in both Maryland and Howard County
- Roadmap to guide county policies and actions to reduce crashes, injuries
 - Engineering
 - Enforcement
 - Education
 - Emergency Medical Services



- Howard County Department of Planning and Zoning
- Howard County Department of Public Works
- Howard County Health Department
- Howard County Office of Transportation

PRIORITY PROJECTS FROM US 1 SAFETY EVALUATION

1. North Laurel -
Buffered bike lanes from Wilbert Lane to the County line.

2. Brewers Court -
Pedestrian activated crossing at Brewers Court with a rectangular rapid flashing beacon.

3. Guilford Road -
Pedestrian signals and crosswalks across all four legs of the intersection with Guilford Road with connecting sidewalks and a shared use pathway to the new High School.

4. Rowanberry Drive -
Pedestrian signals and crosswalks across all four legs of the intersection with Rowanberry Drive as well construct connecting sidewalks to Old Washington Boulevard.

5. Doctor Patel Drive -
Pedestrian activated crossing at Doctor Patel Drive with a rectangular rapid flashing beacon and additional roadway lighting and sidewalk connections.

US I Project Element	Estimated Design Cost <i>(Funded by Howard County)</i>	Construction Estimate <i>(Funding Pending from State Highway Administration)</i>	Estimated Design Completion Date
1. North Laurel Buffered Bike Lanes		Minimal design and construction cost. To be implemented when State Highway Administration resurfaces this segment of road.	TBD
2. Brewers Court Pedestrian Crossing	\$265,000	\$580,000	July 1, 2021
3. Guilford Rd & US I Pedestrian Improvements	\$392,000	\$680,000	April 1, 2021
4. Rowanberry Drive at US I Pedestrian Improvements	\$388,000	\$744,000	April 1, 2021
5. Doctor Patel Drive Pedestrian Improvements	\$443,000	\$580,000	October 1, 2021
	\$1,488,000	\$2,584,000	

State Highway Administration (SHA) has acknowledged that these safety improvements are a high priority. Howard County is requesting that SHA program these construction funds into their capital budget.

Questions?

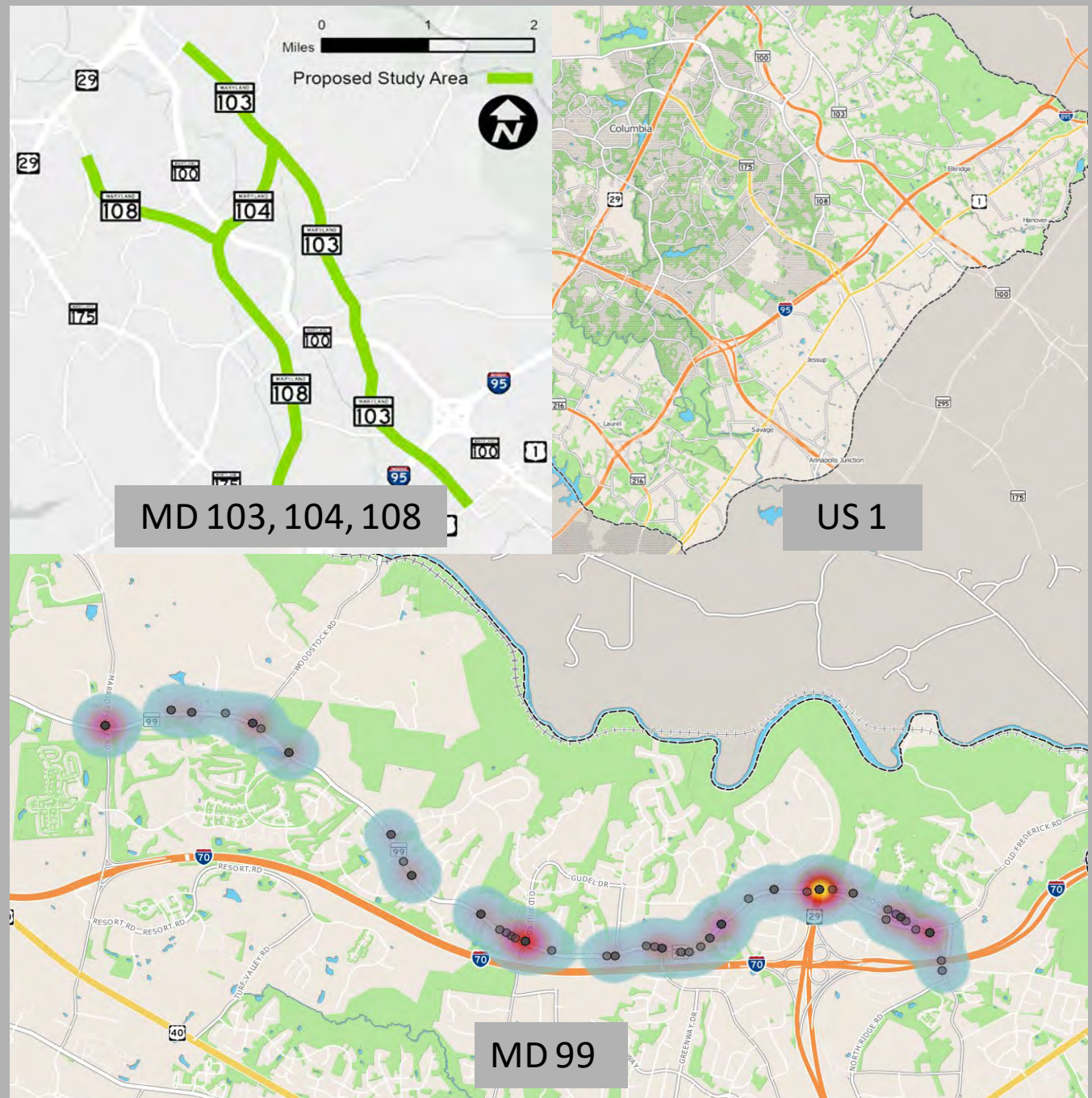
Safety

Traffic Enforcement and Education

Howard County

Strategic Corridor Studies

- Focus on Safety, Congestion and Access
- Driven by metrics and return on investment
- Will help guide county and state investments and prioritization



Howard County

Ongoing
Regional and
Long Range
Planning

- Transit Planning
 - Regional
 - Statewide 50 Yr Plan
 - Local Coordination
- Howard County General Plan
- Maximize 2045



HOCO BY DESIGN

MAXIMIZE 2045
A PERFORMANCE-BASED TRANSPORTATION PLAN

MOT
MARYLAND DEPARTMENT OF TRANSPORTATION

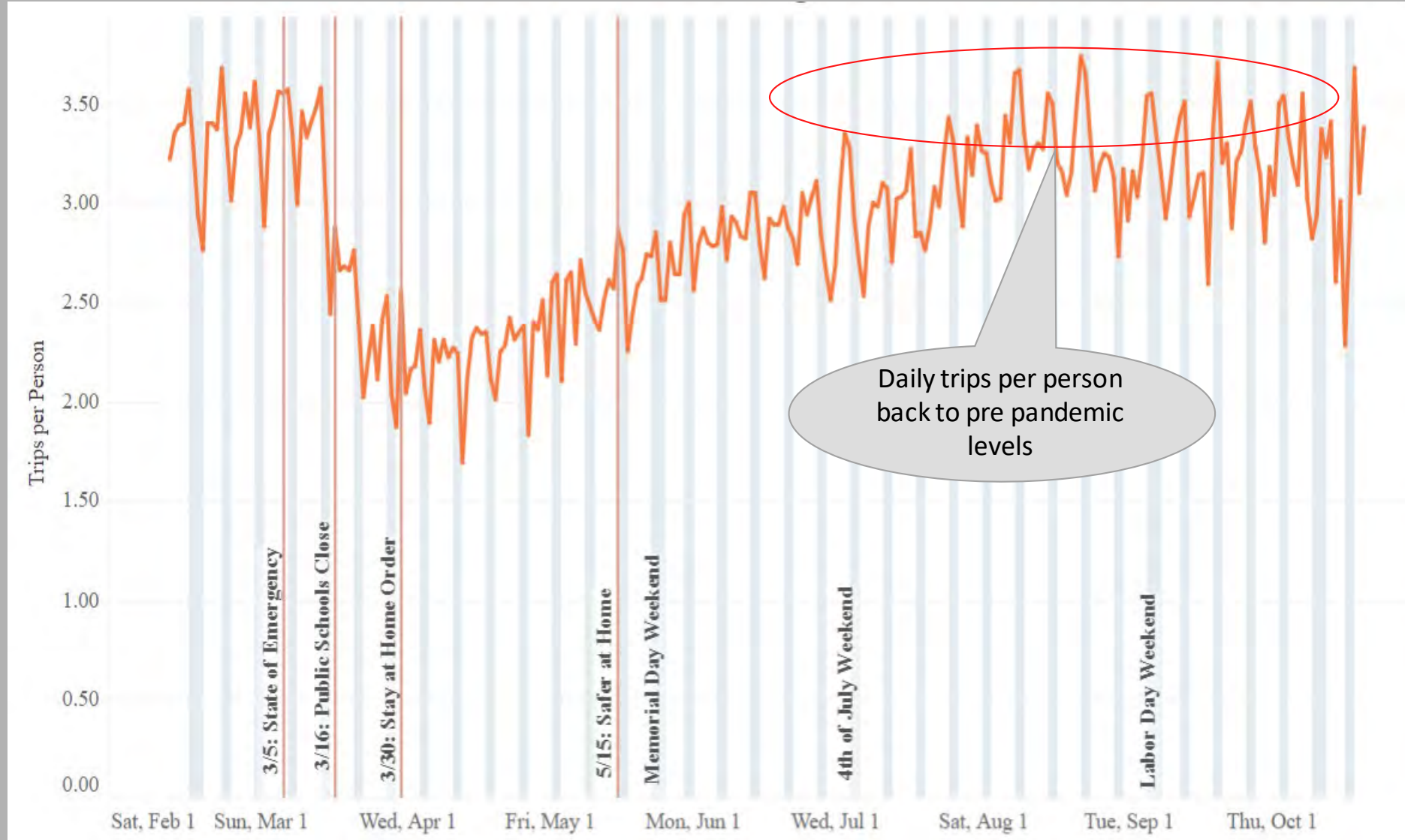
STATE HIGHWAY ADMINISTRATION

FLASH

Howard County

COVID 19 Impacts

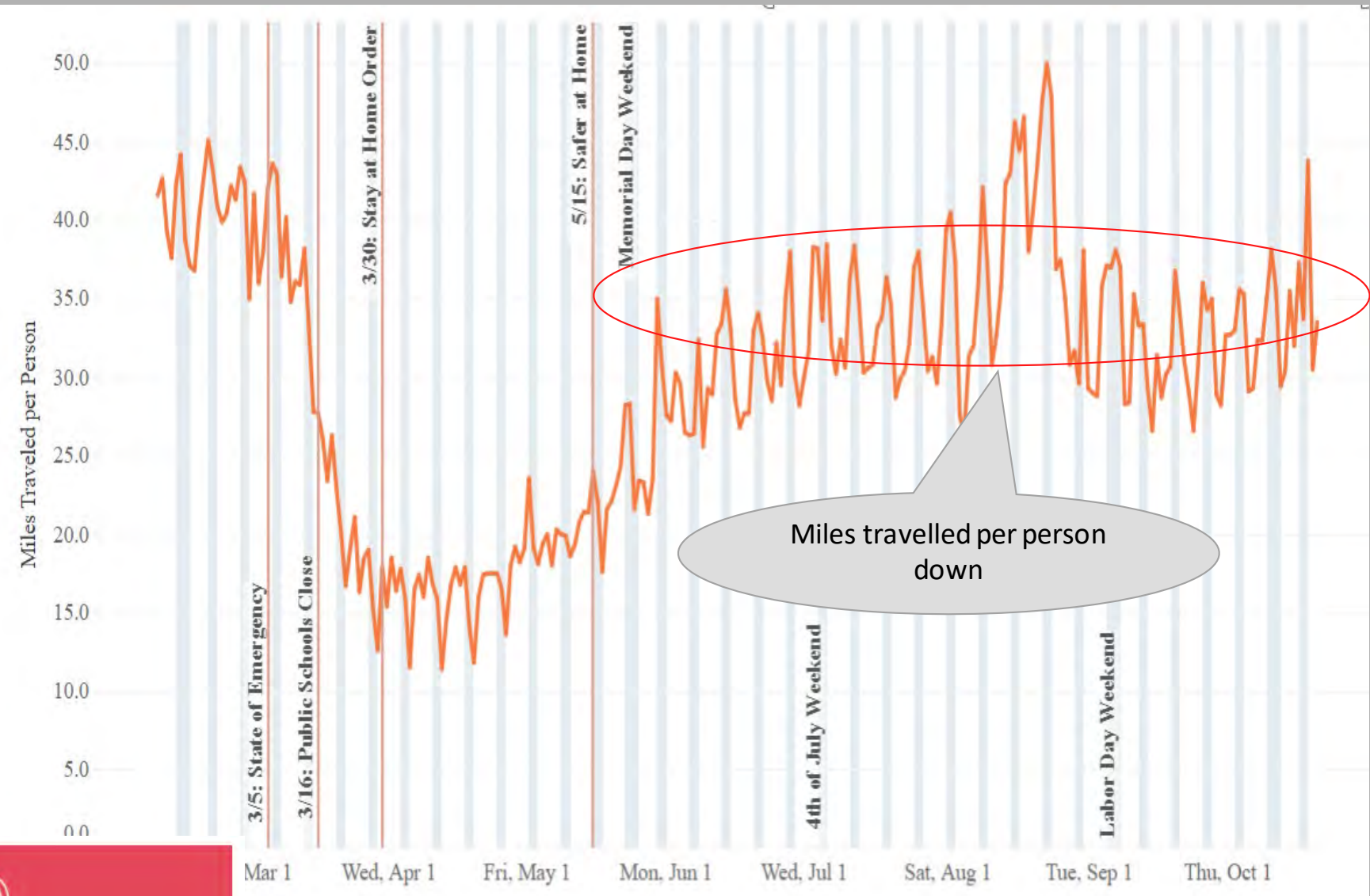
- Travel Patterns
 - Daily Trips
 - Miles Travelled




Howard County

COVID 19 Impacts

- Travel Patterns
 - Miles Travelled
 - Daily Trips
- Return to Normal?
 - Work locations- Greater Washington partnership in 2021
 - Schools



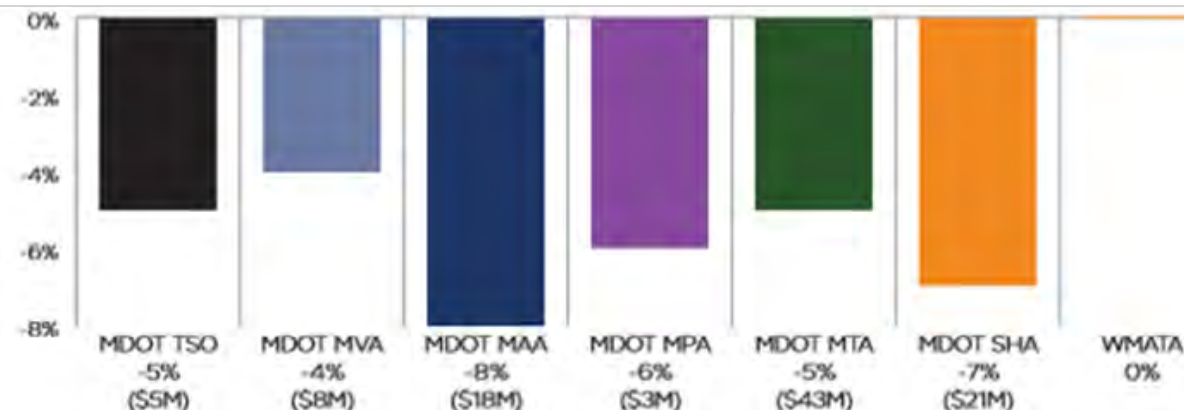

Of employers who had long-term reopening plans, on average, those employers expect to have 72% of their employees return to the office by Summer 2021. However, a third of responding employers are still unsure of their summer 2021 plans.

Howard County

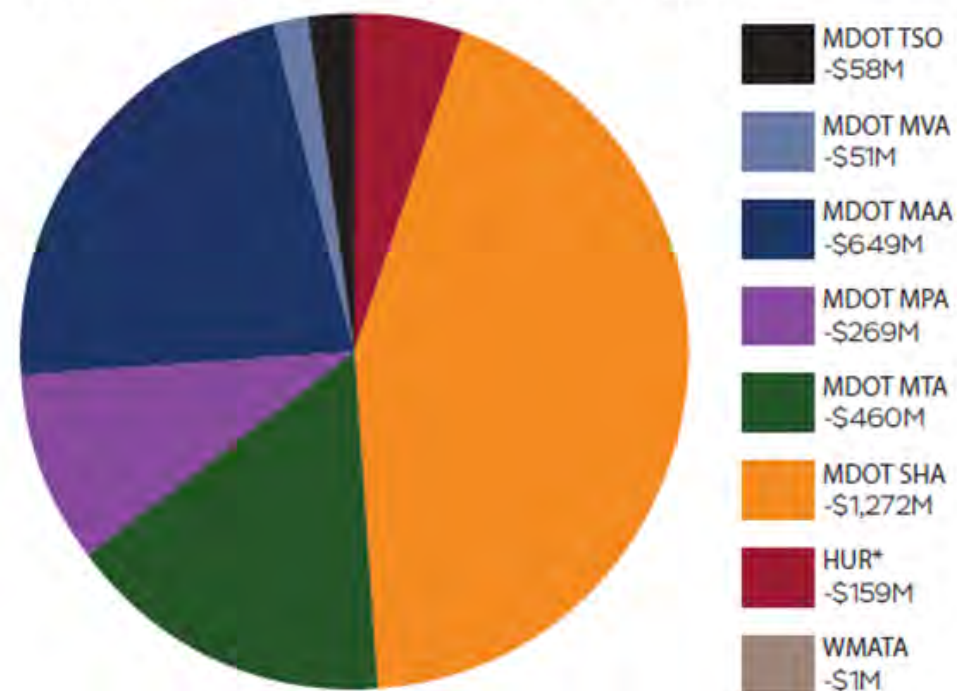
Statewide COVID-19 Budget Impacts

- MDOT's 6-year CTP for FY2021-2026 shows a \$2.9 billion reduction over the last 6-year plan.
- MTA FY21-26 capital budget reduced by \$150m.
- MTA FY21 operating budget reduced by \$70m.
- Highway reductions represent approximately 50 percent of total reduction
- Cuts to system preservation budgets for has a long term fiscal impact
- Only hope for immediate infusion of funding would be through federal legislation.

MDOT-wide Operating Reductions

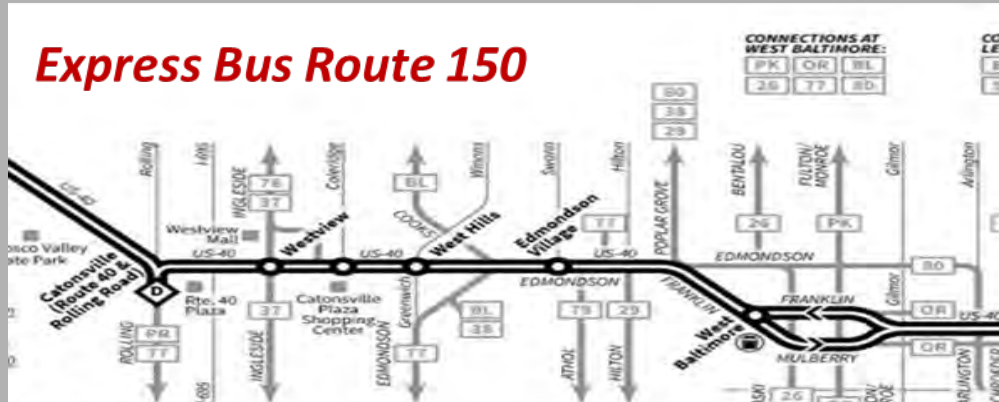


MDOT-wide Capital Declines



*Reduction based on statutory formula. Allocations and distribution percentages are preserved.

Howard County



- MTA - #150 Express Bus suspended from Columbia to Harbor East via Ellicott City
 - Five trips per day in each direction
 - Only reverse commute options (2 trips) from Baltimore City
- MARC Service operating at 60% (R Schedule) of normal levels. Ridership at 10-13% of 2019 levels
- Commuter Bus Operating at 45% on most routes. There are 8 routes in Howard County. Route 320 to Baltimore is maintained. Ridership is at 10-15% of 2019 levels
- Local RTA Service operating at 60%.
- Federal CARES Act transit funding will replace 20% reduction in state funding and lost fare revenue in FY 20 – FY 23. (More to follow)

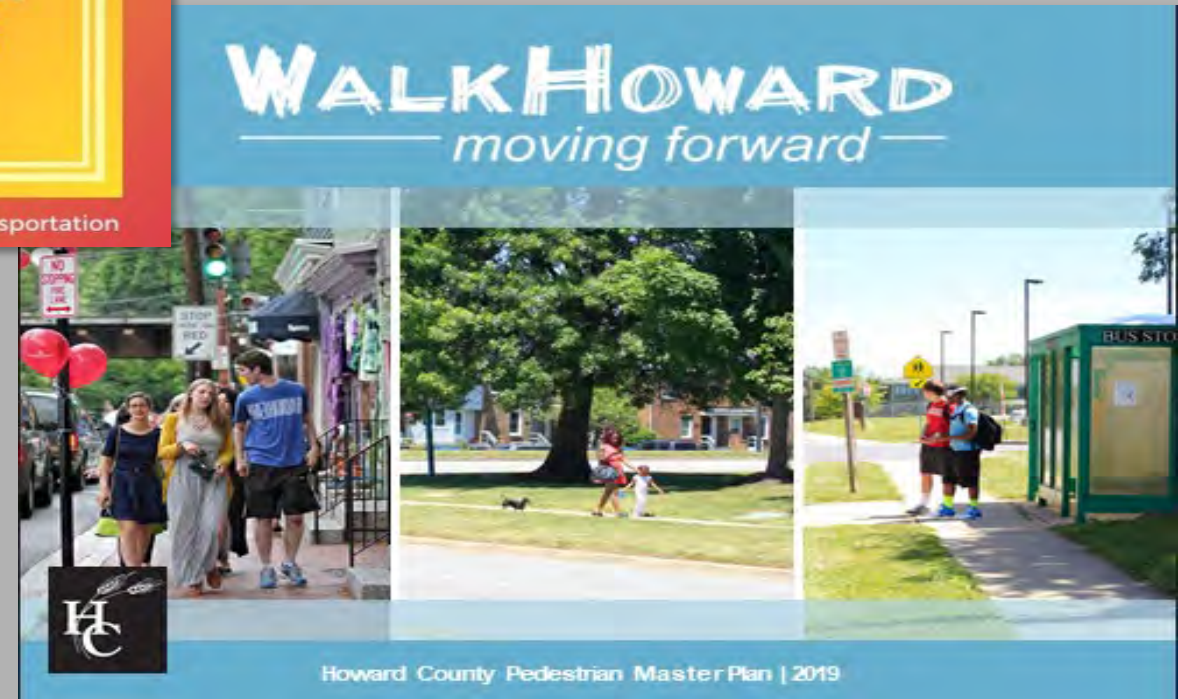
Questions?

Regional and Long Range Planning
COVID-19 Impacts

Howard County

Bike and Pedestrian Update

- Adoption of WalkHoward, Howard County's Pedestrian Master Plan, 2020
- Implementation of several infrastructure recommendations from BikeHoward and WalkHoward Plans
- Initiation of a permit process for shared electric scooters (1- year trial to start in Spring 2021)
- Legislation prohibiting parking in bike lanes (CB49-2020)



Howard County

North Laurel Connections

- Howard County awarded a Kim Lamphier Bikeways Network Program grant from Maryland Department of Transportation
- Over \$500,000 in grant funds to assist in constructing 5.6-mile bicycle and pedestrian route between Savage and Laurel, connecting parks, trails, community center, and 2 MARC stations
- Part of Howard County's Bicycle Master Plan, BikeHoward





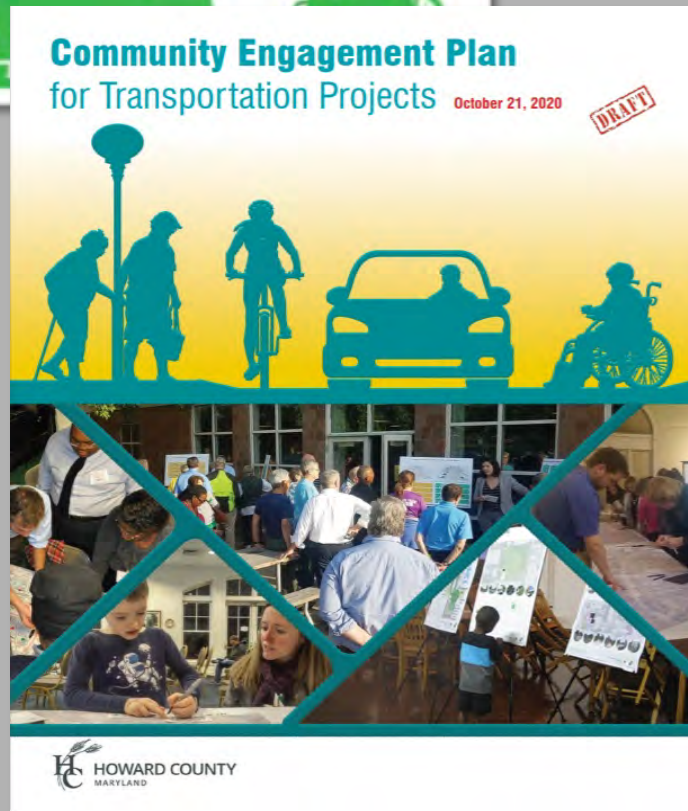
Recent Active Transportation Infrastructure Improvements

Project Name	Facility Type	Estimated Construction Cost	Planning	Design	Land Acquisition	Construction	Complete	Anticipated Construction Start Month	Anticipated Construction Completion Month
Stephens Road Bridge Replacement	Sidewalk, Bike Lanes	More than \$3M						May, 2020	November, 2021
Savage-Area Complete Streets	Sidewalks, Crosswalks	\$250k to \$1M						October, 2020	June, 2021
Frederick Road Sidewalk	Sidewalk	\$250K to \$1M						March, 2021	September, 2021
Oakland Mills Rd in the Guilford Community (Phase 1, South of Guilford ES)	Sidewalk, Crosswalk	\$1M to \$3M						March, 2021	March, 2022
Whiskey Bottom Road Sidewalk Segments	Sidewalk	\$1M to \$3M						April, 2021	June, 2021
Crosswalk across Hale Haven Drive and Elberta Drive	Crosswalk	\$50K						April, 2021	June, 2021
Crossing of Montgomery Road at Bellanca Road	Sidewalk, Crosswalk	\$50K						April, 2021	June, 2021
Dobbin Road Pathway Phase III, 175 to Columbia Crossing	Pathway	\$250K to \$1M						April, 2021	August, 2021
Montgomery Road Sidewalk to Elkridge ES and Elkridge Landing MS and Crossing	Sidewalk, Crosswalk	\$250K to \$1M						April, 2021	July, 2021
High School #13 Access (Guilford Road/Mission Road Sidewalks)	Sidewalk, Crosswalk	\$250K to \$1M						July, 2021	July, 2022
Countywide Bike Wayfinding	Wayfinding	\$10K to \$250K						July, 2021	November, 2021
Cedar Lane Pathway	Pathway	\$1M to \$3M						July, 2021	June, 2022
North Laurel Connections	Bike lanes, Pathway	\$1M to \$3M						August, 2021	October, 2021
Ilchester Road from Beechwood Road to Ilchester Point Court	Sidewalk	\$500K						April, 2022	June, 2022



Recent Active Transportation Infrastructure Improvements

Project Name	Facility Type	Estimated Construction Cost	Planning	Design	Land Acquisition	Construction	Complete	Anticipated Construction Start Month	Anticipated Construction Completion Month
Rogers Avenue Sidewalks	Sidewalks	\$1M to \$3M						March, 2022	March, 2023
Montgomery Road Sidewalk Rowanberry to Lawyers Hill Apartments	Sidewalk	\$1M to \$3M						April, 2022	November, 2022
North Chatham Road Contraflow Bike Lane	Bike Lanes	\$20K						April, 2022	June, 2022
Centennial Lane from Century to Centennial Woods Lane	Sidewalk	\$250k						April, 2022	June, 2022
US 1 at Brewers Court	Crosswalks	\$250K to \$1M						April, 2022	November, 2022
US 1 at Guilford Road	Crosswalk, Sidewalks, Pathway	\$250K to \$1M						April, 2022	November, 2022
US 1 at Doctor Patel Drive	Crosswalks, Sidewalks	\$250K to \$1M						April, 2022	November, 2022
US 1 at Rowanberry Road	Crosswalks, Sidewalks	\$250K to \$1M						April, 2022	November, 2022
Paving of the Patuxent Branch Trail	Pathway	\$1M to \$3M						April, 2023	November, 2023
Dobbin Rd Pathway Phase I, Oakland Mills Road to McGaw Road and part of McGaw Road	Pathway, Crosswalks, Sidewalks	More than \$3M						June, 2023	October, 2023
Dobbin Rd Pathway Phase II, McGaw Road to MD 175	Pathway, Crosswalks	\$1M to \$3M						June, 2023	October, 2023
South Entrance Trail	Pathway	More than \$3M						April, 2024	November, 2025
Robert Fulton Drive Pathway	Pathway, Crosswalks	\$1M to \$3M						April, 2024	November, 2025
Clarksville/River Hill Streetscape Pathway	Pathway, Crosswalks	More than \$3M						March, 2025	June, 2027
Complete Streets on Columbia Road, Oakland Mills Road, and Tamar Drive	Bike Lanes, Crosswalks	\$1M to \$3M						Depends on resurfacing	Depends on resurfacing
Hickory Ridge Bike Corridor	Pathway, Bike Lanes, Crosswalks	TBD						Depends on resurfacing	Depends on resurfacing
Broken Land Parkway/MD 32 Park & Ride Access Project	Shared-Use Pathway	\$250K to \$1M						TBD	TBD
Design of Sanner Road	Bike Lanes	\$1M to \$3M						TBD	TBD



Complete Streets Policy Update

Completed in 2020:

- Community Engagement Plan
- Transportation Improvement Prioritization System (TIPS)
- Sidewalk Expansion Executive Order

Due by October 2021:

- Complete Streets Design Manual

⇒ Visit: <https://www.howardcountymd.gov/completestreets>

Questions?

Bicycle and Pedestrian Planning and
Projects
Complete Streets

- **Service Adjustment**

- Phase 1 (March 13)
 - Operating 45% of service levels
- Phase 2 (June 14)
 - Operating 65% of service levels

- **Rider Safety**

- Boarding at rear door
- Maintaining social distancing
- Requiring masks
- Limiting capacity

- **Bus Cleaning**

- Sanitizing fleet nightly
- Sanitizing of high touch areas

- **Driver Safety**

- Requiring masks
- Installing driver barriers



Offering free fare since March 18, 2020

Reinstating fares on January 2, 2021



Howard County

Capital Investments

Vehicle Fleet Improvements



Fiscal Year	Number	Type of Vehicle	Cost
2018	7	Transit Bus	\$2,600,000
2019	6	Transit Bus	\$2,200,000
2020	2	Transit Bus	\$745,000
2020	5	Transit Van	\$300,000
2022	11	Transit Bus	\$4,600,000
TOTAL			\$10,445,000

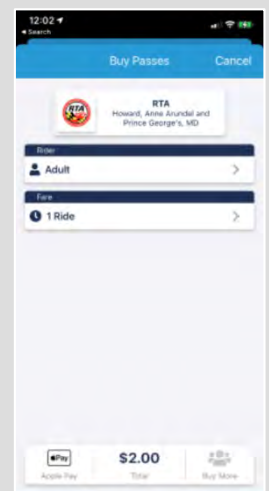
Bus Stop Improvements

- Over \$775,000 since 2017
- ADA landing pads
- Sidewalk & curb ramp connections
- Continued coordination with Complete Streets efforts
- New shelter design
 - Improved access
 - Integrated solar lighting
 - Smaller footprint

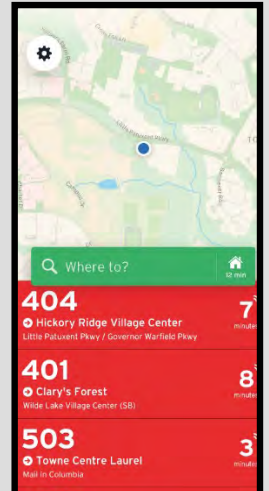


Customer Service & Upcoming Improvements

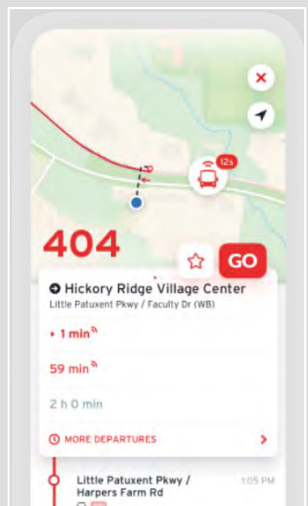
- Real-time Bus Arrival Information-Fall 2020
 - See nearby routes based on your location
 - Track real-time vehicle locations
 - Displays the next 3 departure times
 - Trip planner
 - Receive service alerts
- Mobile Ticketing-2021
 - Make the buying and paying of a transit fare more convenient
 - Removes the need to carry cash
 - Can purchase tickets online for others
 - Allows for fare capping
- Automated Bus Stop Annunciators - 2022
 - Provides a visual and audible announcement of approaching bus stops
 - Improves access for riders with visual and hearing impairments



Mobile Ticketing



Real Time Arrival



Route and Trip Planning



Bus Stop Announcements



Howard County Questions?

Transit

Covid-19 Impacts



DPW Bureaus

ENGINEERING

ENVIRONMENTAL SERVICES

FACILITIES

HIGHWAYS

UTILITIES

Roadway System

1,074 centerline miles of roadway

Approximately 3,600 County owned and maintained roadways

Infrastructure in the Public Right of Way

- 900 miles of sidewalk
- 300,000 street trees
- 31,000 street signs
- 100 traffic signals
- 7,950 street lights

Implementation Challenges

- STORM WATER MANAGEMENT
- UTILITY RELOCATIONS
- LAND ACQUISITION
- FUNDING

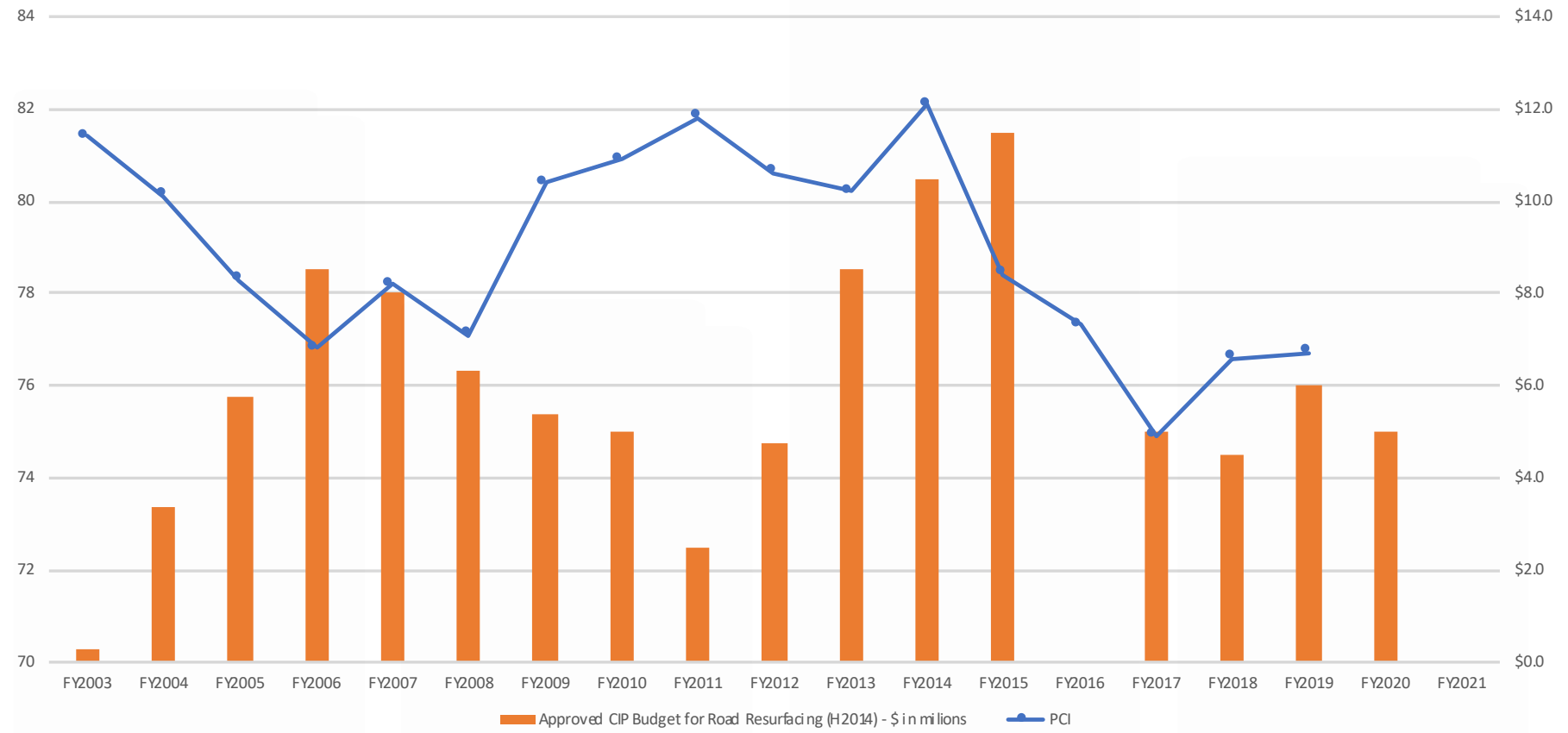
Funding

- TRANSPORTATION PROJECTS
- SIDEWALK PROJECTS
- BIKEWAYS
- ROAD RESURFACING

Highway Preservation System

- All roads inspected once every 2 years (1,074 miles)
- Average life of 15 years before repairs needed
- Based on mileage and life expectancy, need to repair about 71.6 miles each year
- It costs \$200K/mile, so we need \$14.3M per year
- Currently ten-year average funding is \$5.6M/year

Highway Preservation Program



Capital Budget Program

Intersection Improvements Program

Signal Projects

Crosswalk Projects

Sidewalk Projects

Street Light LED conversions

Complete Streets Implementation

- Resurfacing Program

Howard County

Guilford Road
Intersection
Improvements
at
Vollmerhausen
Road/Mary
Lane





Mini-Roundabout Construction

Columbia Road at Hemlock Cone Way/ Kingscup Ct (Completed Autumn 2019)



Mini-Roundabout Construction

Stevens Forest Rd. at Farewell Rd/ Night Street Ct. (Completed Autumn 2019)





Traffic Signal Projects (Capital and Developer)

Cedar Lane at Hickory Ridge Road Reconstruction (Completed Summer 2020)

Howard County Traffic Signal Projects (Capital and Developer)

Twin Rivers Rd at Lynx Ln
Reconstruction (Completed
Spring 2020)





Traffic Signal Projects (Capital and Developer)

Harpers Farm Rd at Eliots Oak Rd
Reconstruction (Completed
Spring 2020)





Traffic Signal Projects (Capital and Developer)

Main St at Ellicott Mills Rd Reconstruction (Completed Spring 2020)



Traffic Signal Projects (Capital and Developer)

Little Patuxent Pkwy at
Corporate Center Way
Reconstruction
(Completed Autumn
2019)



Traffic Signal Projects (Capital and Developer)

Little Patuxent
Parkway at Cedar
Lane Reconstruction
(completed Autumn
2020)



Traffic Signal Projects (Capital and Developer)

Broken Land Pkwy at
Twin Rivers Rd. new
construction
(Completed Autumn
2020)





New Crosswalk with Pedestrian Refuge Island

Vollmerhausen Rd at Castleford Dr/ Rosewood Way



New Crosswalk with Pedestrian Refuge Island

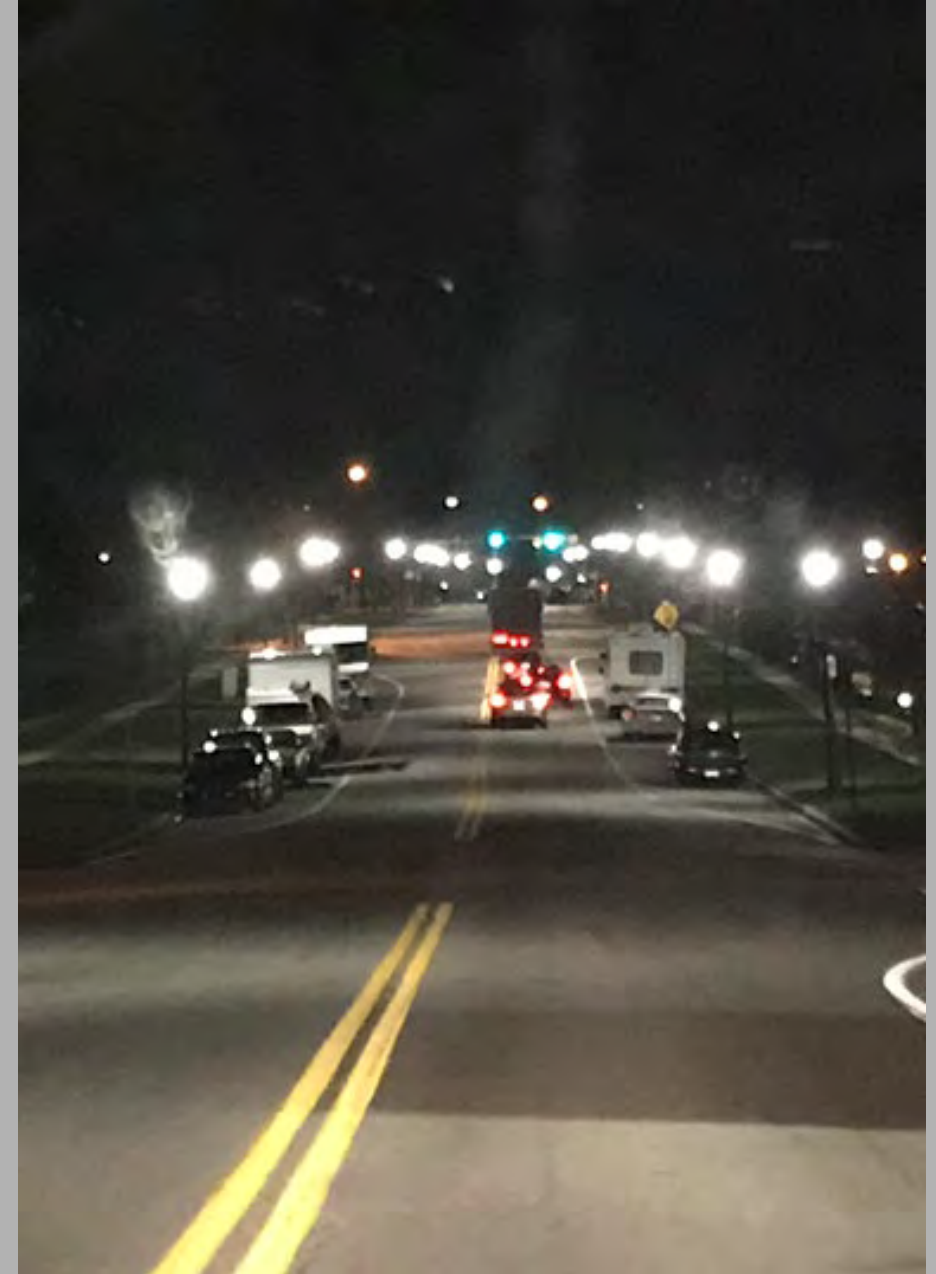
Old Annapolis Rd at Waterford Dr

Doncaster Drive
Sidewalk
Improvement



LED Streetlight Conversion Program

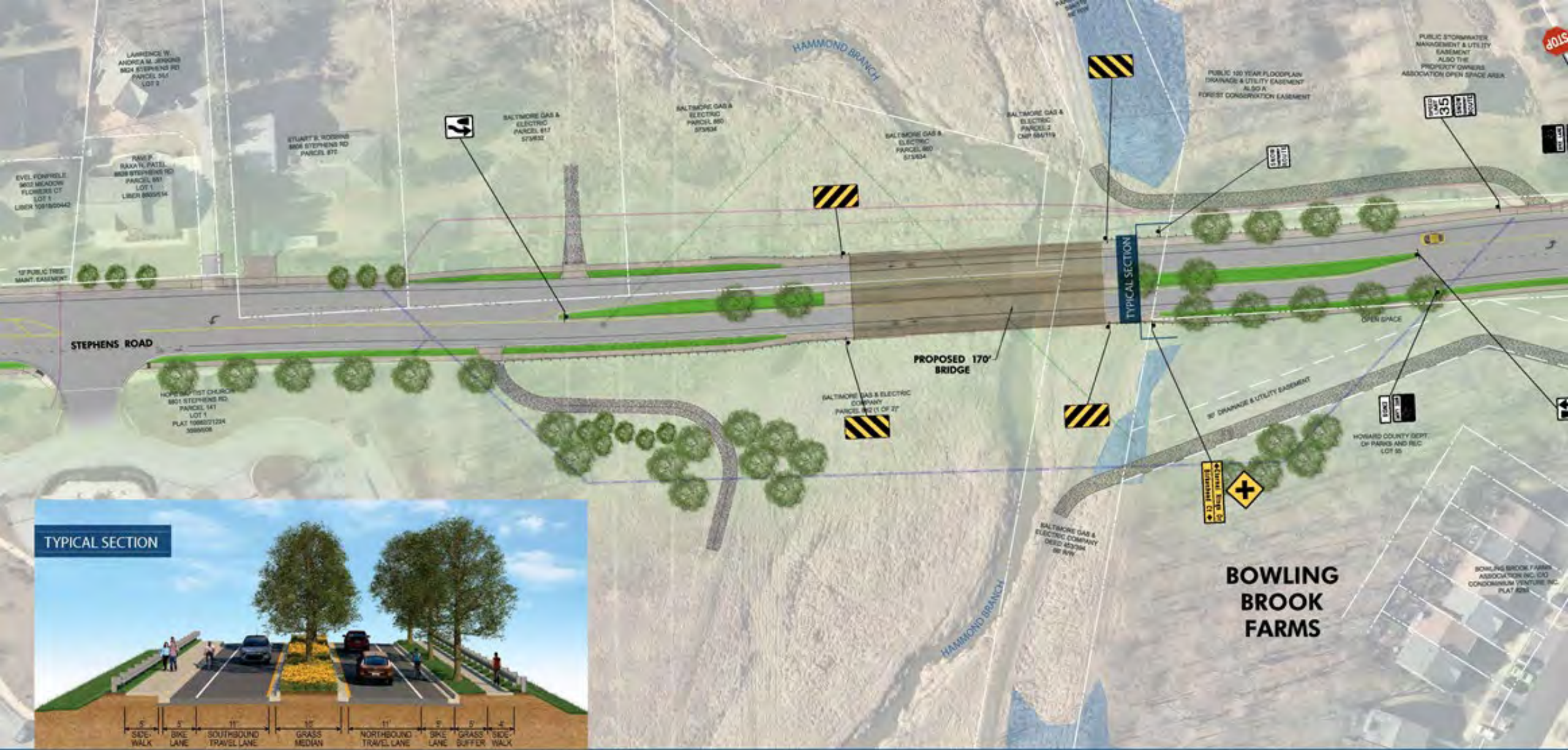
- Phase I – All 1267 Leased lights – Completed
- Phase II – Upgrade few neighborhoods
 - Installed 221 new LED streetlights
- Phase III – Upgrade at traffic signals, roundabouts and midblock crosswalks - Ongoing
- Phase IV – Rest of the County – FY21/FY22 completion





**Stephens Road Improvements, Howard County, Maryland
October 7, 2020, Day 106 of Project**





2020 Resurfacing Projects

- 39.15 lane miles of resurfacing
- 8773 tons of patching
- 12.52 centerline miles of microsurfacing
- 3.83 centerline miles of cracksealing



Questions?

Road Projects
Signal Projects
Resurfacing
Crosswalks
and More?

- **Calendar of Events:**

- Public meetings for transportation projects, advisory group meetings, and special events are all open to the public. Visit: <https://www.howardcountymd.gov/Events-and-Meetings>

- **Contact us:**

- Department of Planning and Zoning – Planning@howardcountymd.gov
- Department of Public Works - Publicworks@howardcountymd.gov
- Office of Transportation - Transportation@howardcountymd.gov
- Police Department - HCPD@howardcountymd.gov
- RTA transit service - Consumer@transitRTA.com

- **Sign up for The Ball Bulletin:**

<https://www.howardcountymd.gov/newsletter> or text *BallBulletin* to 22828

- **Sign up for the Office of Transportation listserv:**

<https://www.howardcountymd.gov/completestreets>

- **Tell HoCo:** Link at upper right of Howard County webpages

- **Visit project websites**

Many thanks to...

- Community members for their participation and input
- Members of Howard County Advisory Councils and Boards
- Partner transportation agencies, including MTA, RTA, and Neighbor Ride
- Howard County institutions, including Horizon Foundation of Howard County, Howard County Public School System, and Bike HoCo
- Regional agencies, including Maryland Department of Transportation and Baltimore Metropolitan Council