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.
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.
Traffic Volume and Speed

Tamar Drive, near Hayshed Lane

About 11,900 Vehicles per Day
Southbound: 5,400     Northbound: 6,500
AM Peak Hour: 700     PM Peak Hour: 1,280
Average Speed: 32 MPH
8% Eastbound Drivers and 6% Westbound Exceed Posted Speed Limit by 10 MPH
Oakland Mills Road

Project Extent

Signalized Intersection

Traffic Circle

Dobbin Road Commercial Area

[Map of Oakland Mills Road area with roads and intersections marked]

- Mile Scale: 0.1, 0.2, 0.3, 0.4, 0.5

Key:
- Green line: Project Extent
- Orange squares: Signalized Intersection
- Black circles: Traffic Circle
Traffic Volume and Speed

South of Fairmead Lane

About 9,900 Vehicles per Day

Southbound: 4,800     Northbound: 5,100

AM Peak Hour: 600     PM Peak Hour: 1,050

Average Speed: 39 MPH

83% Southbound Drivers and 77% Northbound Exceed Posted Speed Limit

17% Southbound Drivers and 10% Northbound Exceed Posted Speed Limit by 10 MPH
Columbia Road

Traffic Operations Assessment Themes:
• Vehicle Congestion
• Intersection Delay
• Traffic Safety

Complete Streets Study Themes:
• Speed Management
• On-Street Parking
• Pedestrian Safety
• Bicycle Connectivity
• Vehicle Traffic Flow
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

About 5,200 Vehicles per Day
Westbound: 2,040  Eastbound: 3,200
AM Peak Hour: 400  PM Peak Hour: 615
Average Speed: 36 MPH
20% Eastbound Drivers and 12% Westbound Exceed Posted Speed Limit by 10 MPH
Traffic Speed and Volume

Columbia Road East of Hemlock Cone

About 5,200 Vehicles per Day
Westbound: 2,100     Eastbound: 3,100
AM Peak Hour: 415     PM Peak Hour: 585
Average Speed: 35 MPH
2% Eastbound Drivers and 24% Westbound Exceed *Posted* Speed Limit by 10 MPH
27% Eastbound Drivers and 71% Westbound Exceed *Advisory* Speed Limit by 10 MPH
Public Input

- **3 Public Meetings**
  - 66 attendees
  - 106 map comment dots
  - 135 survey responses

- **Example Data**
  - Columbia Road

<table>
<thead>
<tr>
<th>Travel Mode</th>
<th>Percentage Using Mode at least Weekly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Vehicle</td>
<td>98%</td>
</tr>
<tr>
<td>Pedestrian</td>
<td>51%</td>
</tr>
<tr>
<td>Bicycle</td>
<td>25%</td>
</tr>
<tr>
<td>Transit</td>
<td>4%</td>
</tr>
</tbody>
</table>
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)

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

- **HCC Connector**
  - Design complete
  - Working on construction documentation
Maryland Bikeways Projects

HCC Connector

South Entrance Trail

North Laurel Connections

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

- Wetlands Delineation Complete
- Alignment adjustments underway
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
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

Photo
Date
1/11/2019
FY2020 Proposed Projects

BIKE HOWARD express
## BikeHoward Express FY2020 Proposed Projects

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