



## Maryland Department of Transportation Kim Lamphier Bikeways Network Program

### 2020 Annual Report

The Kim Lamphier Bikeways Network Program provides grant support for a wide range of bicycle network development activities. The program supports projects that maximize bicycle access, fill missing links in the state's bicycle network, and enhance last-mile connections to work, school, shopping, and transit. The Bikeways Program seeks to leverage past investments in bicycle facilities, complement existing state, local, and federal programs, and promote biking as a fun, healthy transportation mode.

The Bikeways Program is a competitive, reimbursement-based grant program funded through the Maryland Transportation Trust Fund. The program is open to local government agencies and other eligible entities for the design and construction of bicycle transportation infrastructure and programming. Now in its tenth year, the Bikeways Program has supported all manner of bicycle projects from feasibility studies and preliminary design to more complex construction projects, like the Anacostia River Trail. The program also enables local jurisdictions to achieve initial design plans, which then enable projects for additional funding sources, such as the Transportation Alternatives Program.

### Program Changes

In 2020, the Bikeways Program provided additional funding and resources to grantees to assist with project development.

**Governor Larry Hogan announced an increase in Bikeways funding available for FY2021 grants** from \$2 million to \$3.8 million annually. The funding increase was made in honor of Kim Lamphier, a longtime bicycle advocate who lost her fight to cancer in August 2019.

During the 2020 General Assembly session, House Bill 748 was introduced to rename the Bikeways Program in honor of Kim Lamphier. The measure passed and on October 1, 2020 the program was officially renamed to the **Kim Lamphier Bikeways Network Program**.

MDOT developed and released the **"Application Guidelines and Project Deliverables,"** a guide established to clearly define the milestones to be achieved before projects are submitted for funding and what deliverables are expected at the end of the grant.

In addition to the project deliverables guide, a **planning level cost estimating tool** was developed by the Maryland Department of Transportation and the Baltimore Regional Transportation Board's Bicycle and Pedestrian Advisory Group. The tool guides applicants on project design and on estimating construction costs associated with bicycle infrastructure. The tool covers a wide range of possible expenses that are typically incurred with bicycle projects and helps applicants to more accurately predict project costs.



*Bicycle lanes on Potomac Avenue in Hagerstown were installed with the Bicycle Master Plan Implementation project through an FY18 Bikeways award.*



*The planned Towson Neighborhood Bikeway will provide students and residents with a low-traffic-stress experience to school and area businesses. With semi-final design complete, the project will continue with final design and construction.*

## **Completed Projects**

The Bikeways program requires that design projects be completed within two years, and that minor retrofit and construction projects be completed within three years. The number of projects being completed in any given year varies depending on the previous years' awards and project schedules. The Bikeways program was developed to support local jurisdictions in completing preliminary project development, including feasibility studies and conceptual design. By completing these early project phases, jurisdictions are then eligible for more funding options, including the federal Transportation Alternatives Program (TAP). While the Bikeways Program funds projects for design and construction, most Bikeways projects will have additional design or construction phases. The following grant projects were completed in 2020.

<b>County</b>	<b>Grantee</b>	<b>Project Title</b>	<b>Project Description</b>	<b>Project Type</b>	<b>Award Total*</b>
Washington County	National Park Service	Byron Bridge Bicycle & ADA Accessibility Study	Preliminary design of a bicycle-accessible ramp leading from the C&O Canal Towpath to the Byron Bridge over the Potomac River at Harpers Ferry.	Design	\$356,000
Baltimore City	Baltimore City Department of Transportation	Martin Luther King, Jr. Boulevard Sidepath	The semi-final design of a 2-mile shared-use path along Martin Luther King, Jr. Boulevard Sidepath between Russell and Eutaw Streets.	Design	\$41,280

County	Grantee	Project Title	Project Description	Project Type	Award Total*
Worcester County	Town of Berlin	Berlin Bikeway	The preliminary design of a shared use path along railroad right-of-way between Ocean Gateway (US 50) and Buckingham Lane.	Design	\$30,000
Prince George's County	City of Greenbelt	Hanover Parkway Bikeway Design	The feasibility study and 30% design of a protected bikeway along Hanover Parkway between the Spellman Overpass and Greenbrook Drive.	Design	\$44,684
Washington County	City of Hagerstown	Bicycle Master Plan Implementation, Phase 2	The installation of bicycle lanes, sharrows, and bike racks on Antietam St, Nottingham Rd, Pennsylvania Ave, Lee St, and Potomac Avenue.	Construction	\$44,500
Montgomery County	Department of Transportation	Muncaster Mill Road & Emory Lane Shared-use Path Design	The final design of a half-mile long shared-use path along Emory Lane and Muncaster Mill Road in Montgomery County.	Design	\$300,000
Baltimore County	Towson University	Towson University Neighborhood Bikeways	The semi-final design of the Towson University Neighborhood Bikeway Design, a 1.8-mile bikeway loop surrounding the Towson University campus.	Design	\$515,460
Howard County	Howard County Office of Transportation	South Entrance Trail	The semi-final design of a shared-use path between Downtown Columbia and Stevens Forest Road in Howard County.	Design	\$95,395
Howard County	Howard County Office of Transportation	North Laurel Connections	The final design of the North Laurel Connections bike route through Howard County between Savage and Laurel Howard County.	Design	\$139,087
Montgomery County	City of Takoma Park Department of Housing and Community Development	New Hampshire Avenue, Section A, 60% Design	The semi-final design of Section A of the New Hampshire Avenue (MD 650) Bikeway in Takoma Park between Auburn Avenue and Holton Lane.	Design	\$239,808

\*Award totals represent the amount reimbursed for the project. Award totals may differ from awarded amounts in that some projects are completed under budget.



Figure 1 The National Park Service received a Bikeways award to design a bicycle-accessible ramp from the C&O Canal towpath to the Byron Bridge over the Potomac River. The project will move forward with final design and construction.

### Awarded Projects

For the FY 2022 grant cycle, MDOT awarded 19 Bikeways projects totaling \$3.78 million. Project awards were made across the state and included 9 projects on the Eastern Shore. Two grant projects were awarded to install support the installation of automated bicycle traffic counters which will help address needs for data development by more accurately documenting bicycle traffic to inform performance measurement and future project planning.

County	Grantee	Project Title	Project Type	Award Amount
City of Annapolis	Annapolis Department of Planning & Zoning	Annapolis Low-Stress Network Connectors	Design	\$224,000
Anne Arundel County	Anne Arundel County Office of Transportation	BWI Trail Spur Extension to Nursery Road Light Rail	Design	\$600,000
Baltimore City	Baltimore City Department of Transportation	Automated Bike Counters in Baltimore City	Minor Retrofit	\$83,000
Baltimore County	Baltimore County Department of Public Works	Bloomsbury Crossing Construction	Construction	\$480,330
Calvert County	Calvert County Department of Planning and Zoning	Dunkirk & Prince Frederick Bikeways Feasibility Studies	Design	\$88,000

County	Grantee	Project Title	Project Type	Award Amount
Town of Chestertown	Town of Chestertown	Gilchrest Rail Trail Phase IV	Construction	\$162,695
City of Frederick	City of Frederick	Northern Branch (H&F Trail)	Design	\$400,000
Baltimore County	Friends of Patapsco Valley State Park	River Road Corridor Improvements	Minor Retrofit	\$50,500
Town of Hancock	Town of Hancock	Hancock Bikeways Signage and Promotion Project	Minor Retrofit	\$60,440
Howard County	Howard County Office of Transportation	North Laurel Connections	Construction	\$509,828
Montgomery County	Montgomery County Department of Transportation	Cheltenham Drive to Pearl Street Bikeways Improvement Feasibility Study	Design	\$17,50
Montgomery County	Montgomery County Department of Transportation	Automated Bicycle Count Program in Montgomery County BiPPA Areas	Minor Retrofit	\$29,07
Town of Ocean City	Town of Ocean City	Bike Ocean City Strategic Plan	Design	\$79,700
City of Salisbury	Salisbury Infrastructure & Development Department	Rail Trail Phase 1 Design	Design	\$125,957
City of Salisbury	Salisbury Infrastructure & Development Department	West College Avenue Bike Facility Design	Design	\$29,608
Worcester County	Town of Snow Hill	Snow Hill Bikeway Feasibility Study	Design	\$60,000
Somerset County	Somerset County Recreation & Parks	MD 413 Hiker Biker Trail Phase 2	Design	\$110,703
City of Takoma Park	City of Takoma Park Department of Housing and Community Development	New Ave Bikeways Final Design Plan	Design	\$475,000
Maryland Department of Natural Resources	Tuckahoe State Park	Bridge Assessment and Design along Frederick Douglas Rail Trail	Design	\$200,000
<b>FY21 AWARD TOTAL</b>				<b>\$3,786,337.04</b>
<b>Construction</b>				<b>\$1,152,853.40</b>
<b>Minor Retrofit</b>				<b>\$223,015.00</b>
<b>Design</b>				<b>\$2,410,468.64</b>



*Somerset County is nearing completion of the MD 413 Hiker Biker Trail construction.*

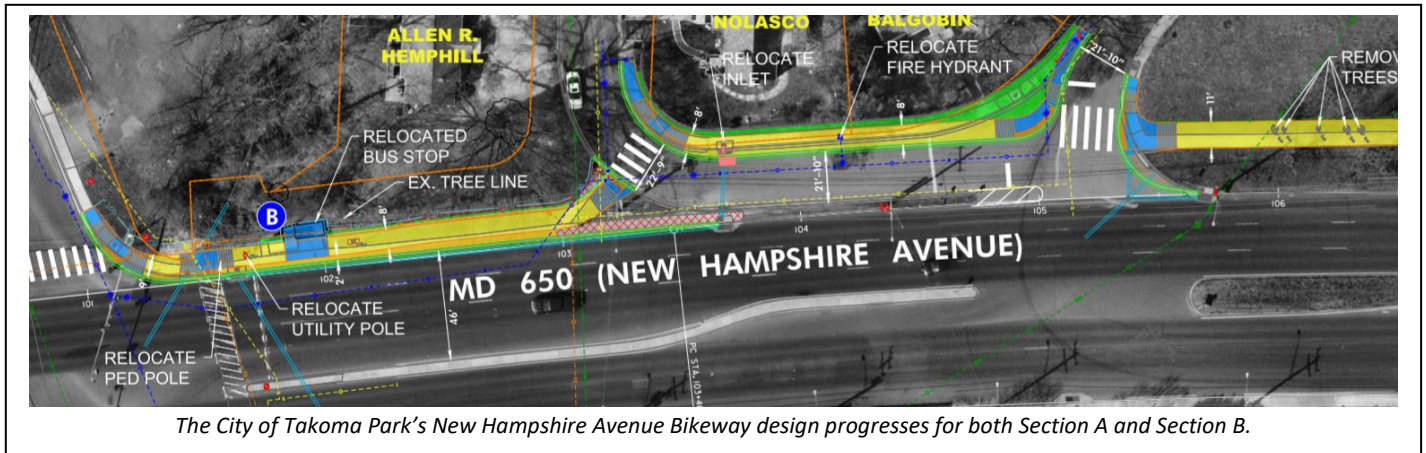
### **Status of Ongoing Bikeways Projects**

In addition to the 19 FY22 awards, there are 18 other active Bikeways project across the state. The below describes each project's status as of December 2020.

- The **Town of Williamsport** is completing the design of Conococheague Street and Potomac Street to improve bicycle access through town from the C&O Canal towpath.
- **Baltimore City** continues designs on the Eutaw Street/Place Separated Bike Lane Design, Wolfe Street/Washington Streets cycletrack feasibility study, and the Baltimore Greenway Trail. The City's Melrose Avenue Bicycle Boulevard project will be constructed in 2021.
- **Anne Arundel County** is nearing completion of the BWI Trail to Odenton Connector Trail study and the final design of the Broadneck Peninsula Trail (Phase 1B).
- **St. Mary's County** is nearing completion of the Three Notch Trail's final design between California and MD 245. Trail construction will begin after design is complete.
- The Northwest **Salisbury** Bikeway project will complete construction in 2021 bringing low-stress bike facilities to Lake Street and Isabella Avenue.
- Phase One of the MD 413 Hiker Biker Trail construction in **Somerset County** will be completed in 2021.
- The **City of Hagerstown** is completing design of the Marsh Run Trail and other aspects of the City's Bicycle Master Plan.
- The **City of College Park** is completing design of protected bike lanes on Rhode Island Avenue between MD 193 and Muskogee Street.
- **Baltimore County** is completing the FY20 design award of the Catonsville Short Line Trail Bloomsbury Road Crossing. Once the design is complete, the project will go to construction under the FY21 Bikeways award.
- **Charles County** is progressing on the Indian Head Rail Trail Feasibility Study. When complete, this project will provide preliminary designs for a shared-use path from the Indian Head Rail Trail to the Three Notch Trail.
- The Frederick and Pennsylvania Rail Trail, Phase 1 design project is underway. **Frederick County** has developed preliminary design plans for a rail with trail between Monocacy Boulevard and Walkersville. The project will conclude with semi-final design.

## Status of Ongoing Bikeways Projects (con'd)

- **Howard County's** Dobbin Road Pathway, Phase 2 design is scheduled for completion in 2021.
- The **City of Takoma Park's** New Hampshire Ave Bikeways continues to move forward in phases. As Section A's semi-final design completed this year and awarded final design, Section B's semi-final design is scheduled for completion in 2021.



## Bikeways Program Funding Summary

Since the Bikeways Program's inception in 2011, over \$27 million have been awarded to 179 projects for the design and construction of bicycle transportation projects across Maryland. All Bikeways funding is derived from the State of Maryland's Transportation Trust Fund.

Year	Design Awards	Construction Awards	Minor Retrofit Awards	Total
FY2012	400,000	180,000	624,485	1,204,485
Anacostia Riverwalk Trail*	-	3,484,000	-	3,484,000
FY2013	1,150,000	790,180	741,550	2,682,230
FY2014	121,000	2,314,406	794,685	3,230,091
FY2015	640,000	1,338,760	600,541	2,579,301
FY2016	574,000	1,785,120	415,568	2,774,688
FY2017	659,640	581,036	726,068	1,966,744
FY2018	600,000	1,257,002	217,512	2,074,514
FY2019	1,255,542	740,703	-	1,996,245
FY2020	\$1,105,000	\$800,000	\$100,000	\$2,000,000
FY2021	\$2,410,468	\$1,152,853	\$223,015	\$3,786,337
Total FY2012 – FY2021	\$8,915,650	\$14,424,060	\$4,443,424	\$27,778,635

\* Construction project funded by the Maryland Bikeways Program and an FY2012 TIGER Grant from the Federal Highway Administration (FHWA)

Visit the [MDOT Kim Lamphier Bikeways Network Program](#) online for additional information.

Visit the [Maryland Bikeways Program Interactive Map](#) to learn about specific projects.