



Maryland Department of Transportation Kim Lamphier Bikeways Network Program 2023 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 low-stress 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, and safe transportation mode.



The City of Salisbury completed Phase 2B of the Northwest Salisbury Bike Network which extended the city's low-traffic-stress bike network to the underserved northwest area of the city.

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 transportation infrastructure. The Bikeways Program has supported a broad range of bicycle projects from feasibility studies and preliminary designs to more complex construction projects. The Program is not intended to be used for creating local bicycle master plans but has been particularly successful in supporting local development of initial project design plans, and helping create a pipeline of prioritized projects that can attract additional funding sources, such as the Transportation Alternatives Program.

Completed Projects

The Bikeways Program requires that design and minor retrofit projects be completed within two years, and that 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. While the Bikeways Program funds projects for design and construction, most Bikeways projects will have additional design phases prior to construction. Several projects continue to experience delays brought on by the COVID-19 pandemic which created significant barriers for public outreach and staffing shortages. Grant extensions have been provided to complete these projects as noted in the [ON-GOING PROJECTS section](#).

The following Bikeways Program projects were completed in 2023.

Grantee	Project Title	Project Description	Project Type	Award Total*
City of Annapolis	Annapolis Low-Stress Connectors	This project evaluated key gaps in the Annapolis bike network and completed conceptual design for the low-stress linkages along College Creek and the West-East Express route. Annapolis has won additional design and construction awards based on the outcomes of this project.	Design	\$150,753.01
City of Baltimore	Wolfe Street/Washington Street Cycletrack Feasibility Study	This project completed a feasibility Study and 30% design for a cycletrack on Washington Streets and buffered bike lanes on Wolfe Street between Aliceanna Street and Clifton Park.	Design	\$139,854.31
City of Baltimore	Design of North Baltimore Segments of the Baltimore Greenway Trails Network	This award completed preliminary design for the Baltimore Greenway shared-use path between Druid Hill Park and Lake Montebello along 33 rd Street.	Design	\$252,401.10
Calvert County	Dunkirk & Prince Frederick Bikeways Feasibility Study	The Dunkirk and Prince Frederick Bikeways study evaluated low-stress routes through both town centers and produced preliminary designs for various bikeways connections.	Design	\$87,704.00
Harford County	Harford Community College (HCC) Connector Bike Path Study	The HCC Connector study evaluated and determined a low-stress bike route between Bel Air and HCC using low-traffic-volume roads and a shared-use path. This is the first project to use MDOT's Bicycle Level of Traffic Stress as the basis of analysis.	Design	\$59,760.00
Town of La Plata	La Plata/Radio Station Road Shared-use Path Design	The La Plata Road/Radio Station Road design completed a 2.25-mile buffered bicycle facility between downtown La Plata and St. Charles Parkway via Laurel Springs Regional Park.	Design	\$328,000.00
Montgomery County Department of Transportation	Bethesda Trolley Trail (BTT)/North Bethesda (White Flint) Metro to Twinbrook Metro	Montgomery County conducted a feasibility study for the Bethesda Trolley Trail between the current North Bethesda terminus and Twinbrook Metro station and developed conceptual trail plans along the preferred alignment.	Design	\$45,125.75
Town of Ocean City	Bike Ocean City Strategic Plan	The Town of Ocean City developed construction drawings for bike lanes along 94th Street and 146 th Street.	Design	\$79,700.00
Prince George's County Department of Public Works & Transportation	2-Position Bike Racks on Paratransit Vehicles	Prince George's County purchased and installed 50 2-position bike racks on county paratransit vehicles being repurposed for micro-transit around National Harbor and Fort Washington.	Minor Retrofit	\$75,604.66

Grantee	Project Title	Project Description	Project Type	Award Total*
City of Salisbury Infrastructure & Development Department	Rail Trail Phase 1 Design	Salisbury completed the final design of an off-road shared-use path from the southern city limit north to Milford Street.	Design	\$117,808.32
City of Salisbury Infrastructure & Development Department	Northwest Bikeways, Phase 2A	Salisbury constructed low-traffic-stress bikeways using traffic calming and protected bike lanes with raised lane separators in the underserved community of Northwest Salisbury.	Minor Retrofit	\$100,000
Somerset County	Route 413 Hiker Biker Trail Phase 2	With State Highway Administration, Somerset County completed design for Phase 2 of the Route 413 Hiker-Biker Trail/shared-use path south of Westover.	Design	\$96,797.50
Town of Williamsport	Williamsport Park & Street Project	Williamsport continued streetscape designs along Potomac Street and Frederick Street.	Design	\$67,957.00

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



Prince George's County installed bike racks on former paratransit vehicles to be used in the county's microtransit system centered around National Harbor and Fort Washington.

Awarded Projects

For the FY 2024 grant cycle, MDOT awarded 18 Bikeways projects totaling \$4.7 million. Project awards were made across the state and include funding for five construction, one minor retrofit and twelve design projects. Most of this year's awards address major low-traffic-stress gaps in the state's bicycle network. The Bikeways Program issued a record amount of awards FY24 awards because several Bikeways projects completed under budget and those excess funds remain within the Bikeways Program.

Jurisdiction	Project Title	Project Description	Project Type	Award Amount
City of Annapolis	Bay Ridge Avenue Bikeway	30% design for Bay Ridge Avenue bicycle facilities between Eastport , and Hillsmere Drive.	Design	\$224,000.00
Anne Arundel County	Protected Bicycle Lane Delineators	Purchase and install vertical delineators for separated two-way bicycle facilities.	Construction	\$340,000.00
City of Baltimore	Boston Street Connector	Design for 1/3-mile segment Baltimore Greenway along Boston Street between Ellwood and Conkling Streets.	Design	\$300,000.00
Town of LaPlata	La Plata Bikeway - Radio Station Road Sidepath	Construction of a buffered bikeway and shared use path along Willow Lane, MD 6, MD 488, and Radio Station Road to Laurel Springs Regional Park.	Construction	\$385,517.00
Garrett County	Oakland to Herrington Manor State Park Trail Feasibility Study	Concept plans for a bikeway along MD 135 connecting the Towns of Loch Lynn Heights, Mountain Lake Park, and Oakland	Design	\$68,800.00
Garrett County	Pedestrian & Bicycle Concept Plan Connecting Towns along MD 135	Bikeway feasibility study connecting the Town of Oakland to Herrington Manor State Park and Swallow Falls State Park.	Design	\$52,310.00
City of Havre de Grace	Havre de Grace - Feasibility Study and Design	Design and quick-build of on-street bicycle facilities along Juniata, Otsego, Pennington and Erie Streets, Lewis Lane and Union Avenue.	Design	\$52,000.00
City of Havre de Grace	Havre de Grace Quick Build and Bike Path Design	Feasibility study for bike facilities along Revolution Street.	Minor Retrofit	\$160,000.00
City of Gaithersburg	I-270/NIST East Shared Use Path - Phase II Design	Shared use path final design connection along National Institute of Standards and Technology (NIST) frontage on W. Diamond Avenue to Muddy Branch Road. near the Festival shopping Center	Design	\$176,000.00
City of Rockville	Halpine Road & East Jefferson Street Bicycle Lanes	Feasibility study and preliminary design for bicycle facilities along Halpine Road and E. Jefferson Street. .	Design	\$88,000.00

Jurisdiction	Project Title	Project Description	Project Type	Award Amount
City of Takoma Park	Metropolitan Branch Trail Upgrade	Final design plans of the Metropolitan Branch Trail (MBT) upgrades.	Design	\$465,000.00
University of Maryland, Eastern Shore (UMES)	UMES Recreation Trail	Final design for a shared-use path around the UMES campus.	Design	\$400,000.00
Saint Mary's County	Three Notch Trail Phase Seven	Construction of the Three Notch Trail between Friendship School Road and Hollywood Volunteer Rescue Squad.	Construction	\$1,200,000.00
Town of Oxford	Oxford Park Connectors	Feasibility study and preliminary design for a rail trail connecting town parks	Design	\$30,000.00
Town of St. Michaels	St. Michaels Nature/Bicycle Trail - Final Construction Drawings	Final design of a 1.25 miles extension of The St. Michaels Nature/Bike Trail	Design	\$48,360.80
City of Salisbury	Carroll Street Cycle Track Construction	Construction of hardscape-protected bikeway along Carroll St from Riverside Circle to Snow Hill Road.	Construction	\$400,000.00
City of Salisbury	East Side Bike Network Implementation	Construction of quick-build bikeways in Salisbury neighborhoods east of US 13 Business Route.	Construction	\$200,000.00
City of Salisbury	Eastern Shore Drive Multi-Use Path Design	Final design of Promenade at Eastern Shore Drive section of Salisbury's Rail Trail System.	Design	\$120,000.00



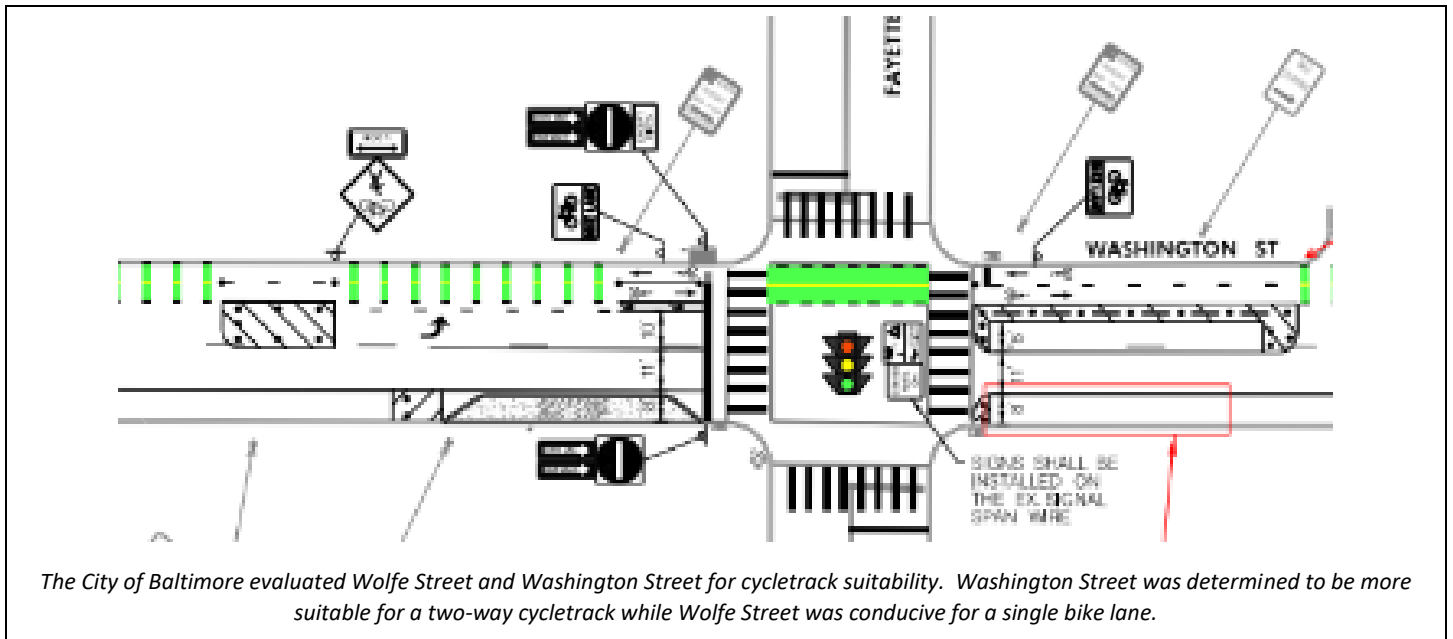
The City of Annapolis's Low-Stress Connectors project identified the College Creek Connector as a vital link between MD 450 and points across town.



Status of Ongoing Bikeways Projects

In addition to the 18 FY24 awards, there are 31 other active Bikeways projects across the state. Grant recipients are required to submit quarterly reports on their projects. The below describes each project's status as of January 2024.

- **The City of Annapolis** is designing the Poplar Trail extension between downtown toward Parole and designing the College Creek Connector between MD 450 and Rowe Boulevard. The Poplar Trail project was granted a grant extension.
- **Anne Arundel County** continues final design of shared-use paths between the BWI Trail Spur Extension to Nursery Road Light Rail, along Blue Water Boulevard, Milestone Parkway and Taylor Avenue. The county has begun construction of the Broadneck Peninsula Trail (Phase 1B) between College Parkway and Sandy Point State Park.
- **Baltimore City** is in the process of installing automated bicycle counters, constructing low-stress facilities to address gaps in the city's bike network and finalizing the design of the Martin Luther King, Jr. Boulevard sidepath.
- **Baltimore County** will begin construction of the Catonsville Short Line Trail's Bloomsbury Road Crossing in Catonsville and is finalizing a feasibility study for a shared-use path between the Torrey C. Brown and Jones Falls Trails.
- **The City of Cambridge** is finalizing preliminary designs for low-stress bikeways across town.
- **The City of College Park** is developing shared micromobility hubs to address e-scooter and bicycle parking needs.
- **The Department of Natural Resources** is assessing the condition of two former railroad bridges for trail use along the Frederick Douglas Rail Trail in Talbot County. This project was granted a grant extension and will complete in 2024.
- **The City of Frederick** is designing an extension to the Hagerstown and Frederick Trail northward from Carroll Creek and Phase 4 of the East Street rail-with-trail.



- **Frederick County** is progressing with Phases 2 and 3 design of the Frederick & Pennsylvania Line rail-with-trail through Walkersville.
- **The Town of Galena** is designing a shared-use path along MD 213 (Main Street) from MD 290 to Toal Park.
- **The City of Gaithersburg** is progressing with the semi-final design of a shared-use path along the National Institute of Standards and Technology (NIST) between MD 117 (Diamond Avenue) and Muddy Branch Road.
- **Howard County's** North Laurel Connections project will begin construction to create a bicycle route between Savage and US Route 1 in Laurel. Howard County is also designing a shared-use path along MD 108 in Clarksville.
- **The City of Laurel** is completing preliminary designs for a low-stress bikeway along Cherry Lane.
- **The Town of Luke** Bikeway feasibility study did not receive suitable consultant bids and is being completed by MDOT Bikeways staff.
- **The Maryland Transit Administration (MTA)** is conducting a feasibility study for a shared-use path between the Monocacy MARC Station and the Monocacy National Battlefield Visitor Center.
- **Montgomery County** is designing a shared-use path along Good Luck Road connecting to the Spencerville Local Park.
- **The City of Rockville** is evaluating bikeway feasibility along Martins Lane and installing permanent bicycle and pedestrian counters.
- **The City of Salisbury** is completing design for Phases 2 and 3 of the city's rail trail, constructing the Naylor Mill Connector rail trail section and installing bicycle counters citywide.
- The **Town of St. Michaels** is completing 30% design for the town's Nature/Bicycle Trail extending to Perry Park.
- The **City of Takoma Park** is redesigning Maple Street as a complete street and Sections A and B of the New Hampshire Ave Bikeway design continues.
- The **City of Taneytown** bicycle parking project was cancelled due to grantee inactivity.
- The **Tri-County Council for Southern Maryland** is developing the preliminary design for a shared-use path along Smallwood Drive in St. Charles.
- The **University of Maryland College Park** is evaluating several corridors through campus for bikeway compatibility.
- With the State Highway Administration (SHA), **Worcester County** is evaluating shared-use path compatibility along MD 611 (Stephen Decatur Highway) between US Route 50 (Ocean Gateway) and Assateague Island National Seashore.

[Bikeways Program Funding Summary](#)

Since the Bikeways Program’s inception in 2011, more than \$38 million have been awarded to 234 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 and are available for review on the [Bikeways Interactive Project Map](#).

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
FY2022	2,820,067	326,000	236,177	2,968,577
FY2023	2,295,333	-	303,274	\$2,598,608
FY2024	\$2,024,470	\$160,000	\$2,525,517	\$4,709,987
Total FY2012 – FY2022	14,031,050	14,750,060	4,982,875	33,759,487

* 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.