

BALTIMORE METROPOLITAN PLANNING ORGANIZATION

**BALTIMORE REGIONAL TRANSPORTATION BOARD
RESOLUTION #21-21**

**AMENDMENT TO THE 2021 – 2024 BALTIMORE REGION
TRANSPORTATION IMPROVEMENT PROGRAM**

WHEREAS, the Baltimore Regional Transportation Board is the designated Metropolitan Planning Organization for the Baltimore region, encompassing the Baltimore Urbanized Area, and includes official representatives of the cities of Annapolis and Baltimore, the counties of Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne’s as well as representatives of the Maryland Department of Transportation, the Maryland Department of the Environment, the Maryland Department of Planning, the Maryland Transit Administration, and Annapolis Transit; and

WHEREAS, the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approved the 2021-2024 Transportation Improvement Program for the Baltimore region at its August 25, 2020 meeting, with federal approval on October 19, 2020; and

WHEREAS, federal regulations require that all transportation-related projects must be listed in the approved Transportation Improvement Program with accurate funding schedules in order to be eligible for federal funding; and

WHEREAS, the Transportation Improvement Program consists of projects included in, and in support of, the region's long-range transportation plan and ongoing short-range planning efforts; and

WHEREAS, the Maryland Department of Transportation on behalf of the Maryland Transit Administration (MDOT MTA) has requested approval of an amendment to the 2021-2024 Transportation Improvement Program through the approved Transportation Improvement Program amendment process; and

WHEREAS, MDOT MTA is requesting to add a project to the 2021-2024 TIP utilizing a Section 5312 Public Transportation Innovation discretionary grant. Grant funding will use LiDAR technology to identify the most critical areas along the Light Rail transit system (see attachment); and

WHEREAS, the Transportation Improvement Program, as amended, continues to display financial reasonableness and re-affirms the appropriate project selection criteria whereby all requirements for a Transportation Improvement Program in the Fixing America’s Surface Transportation Act are met; and

WHEREAS, this project is consistent with the federal emphasis on performance-based planning and programming, specifically the federal requirements pertaining to transit safety and maintaining transit assets in a state of good repair; and

WHEREAS, the Interagency Consultation Group has determined that this project is exempt according to the Conformity Rule (40 CFR Parts 51 and 93); and

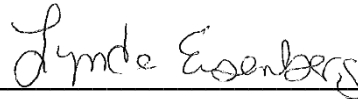
WHEREAS, the proposed Transportation Improvement Program amendment was presented to the Technical Committee on March 2, 2021.

NOW, THEREFORE, BE IT RESOLVED that the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approves the attached amendment to the 2021-2024 Transportation Improvement Program for the Baltimore region and finds it to conform to the applicable Maryland State Implementation Plan and requirements of the 1990 Clean Air Act Amendments.

I HEREBY CERTIFY that the Baltimore Regional Transportation Board as the Metropolitan Planning Organization for the Baltimore region approved the aforementioned resolution on March 23, 2021.

3-23-2021

Date



Lynda Eisenberg, Chair

Baltimore Regional Transportation Board

Light Rail LiDAR Track Survey Discretionary Grant

TIP ID	40-2102-64	Year of Operation	2022
Agency	MTA - Transit	Project Type	Preservation and improvements
Project Category	Transit Preservation	Functional Class	NA
Conformity Status	Exempt	Physical Data	N/A
CIP or CTP ID(s)	1771	Est. Total Cost	\$300,000

Description:

MDOT MTA will use this FTA Section 5312 Public Transportation Innovation Program discretionary grant to survey the MDOT Light Rail transit system. LiDAR remote sensing technology will allow MDOT MTA to identify the most critical areas along the guideway and to analyze historical trends at precise locations to determine the root cause of track-related problems. The project will provide MDOT MTA with GIS and CAD mapping products that are more accurate, timely, and cost-effective. This improved data will significantly reduce track geometry defects moving forward.

Justification:

This project will help MDOT MTA to improve lifecycle management and preventive maintenance across the agency. MDOT MTA is currently using Optram software as a linear asset decision support tool, enabling the agency to use real-time condition data to improve system safety and maintain assets in a state of good repair. The LiDAR track survey will provide the data needed to manage assets more effectively with Optram.

Amendment: This amendment adds a new project to the 2021-2024 TIP. MDOT MTA was awarded a Section 5312 Public Transportation Innovation Program discretionary grant from the Federal Transit Administration totaling \$150K. This funding will be used to identify the most critical and vulnerable areas along the Light Rail transit system using LiDAR technology. A total investment of \$300K is added to the 2021-2024 TIP (\$150K federal/\$150K matching).

1 Connection to Long-Range Transportation Planning Goals:

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.E Improve and Maintain the Existing Infrastructure -- Improve the condition of transit infrastructure and stations/stops.





LTR LiDAR Track Survey Discretionary Grant

(Funding in Thousands)

Section 5312 Public Transportation Innovation Discretionary Grant Program - New

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$300
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$300
Total	\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$300



Larry Hogan
Governor
Boyd K. Rutherford
Lt. Governor
Pete K. Rahn
Secretary
Kevin B. Quinn, Jr.
Administrator

TO: MS. HEATHER MURPHY, DIRECTOR
MDOT OFFICE OF PLANNING AND CAPITAL PROGRAMMING

ATTN: MR. TYSON BYRNE, MANAGER
MDOT OFFICE OF PLANNING AND CAPITAL PROGRAMMING

FROM: MS. KATE SYLVESTER, DIRECTOR *Kate*
MDOT MTA OFFICE OF PLANNING AND CAPITAL PROGRAMMING

DATE: February 8, 2021

SUBJECT: Amendment to the FY 2021-2024 BMC/BRTB TIP

MDOT MTA is requesting an Amendment to the FY 2021-2024 BMC/BRTB TIP. MDOT MTA was awarded a Section 5312 Public Transportation Innovation Program discretionary grant from the Federal Transit Administration totaling \$150K. This funding will be used to identify the most critical and vulnerable areas along the Light Rail transit system using LiDAR technology.

The proposed action will not impact scheduling or funding availability for other projects in the current TIP, which continues to be fiscally constrained.

After your review, please process the requested Amendment for inclusion in the FY 2021-2024 BMC/BRTB TIP. If you have any questions, please do not hesitate to contact Ms. Lara Bachman, MDOT MTA Office of Planning and Capital Programming, at 410-767-3135 or via email at lbachman@mdot.maryland.gov.

cc: Mr. Ian Beam, Regional Planner, Office of Planning & Capital Programming, MDOT
Mr. Dan Janousek, Regional Planner, Office of Planning & Capital Programming, MDOT

